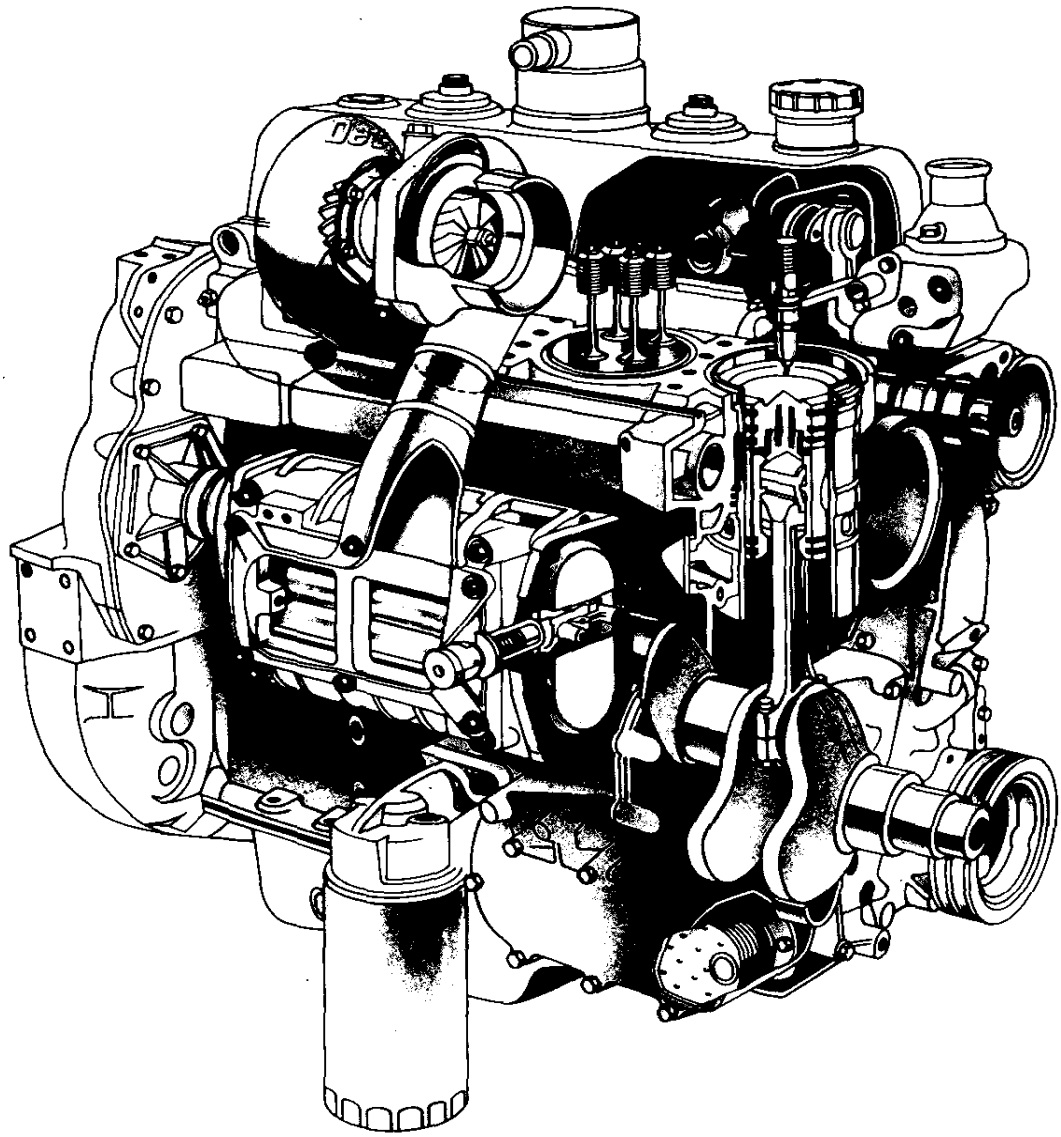
Engine Parts Catalog

Series 53

DETROIT DIESEL ALLISON



6SP 124

Parts Catalog

Detroit Diesel Engines

SERIES 53 MODELS

DECEMBER, 1987

Detroit Diesel Allison
13400 Outer Drive, West
Detroit, Michigan 48239-4001

NOTE:
This printed parts catalog is current as of date of issue. Interim revisions are available only on Microfiche. Either may be purchased from Detroit Diesel Allison Distributors. See your yellow pages—under Engines, Diesel.

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CAUTION
METRICS AT WORK

Detroit Diesel Engines contain parts dimensioned in the metric system as well as in the customary system. Many fasteners are metric and are very close in dimension to familiar customary fasteners in the inch system. It is important to note that, during any maintenance procedures, replacement fasteners must have the same measurements and strength as those removed, whether metric or customary. (Numbers on the heads of metric bolts and on surfaces of metric nuts indicate their strength. Customary bolts use radial lines for this purpose, while most customary nuts do not have strength markings.) Mismatched or incorrect fasteners can result in engine damage or malfunction, or possibly personal injury. Therefore, fasteners removed from the engine should be saved for re-use in the same locations whenever possible. Where the fasteners are not satisfactory for re-use, care should be taken to select a replacement that matches the original. For information and assistance, see your Detroit Diesel Allison Service Outlet.

NOTE: Metric Hardware is identified in the Parts Catalogs through its unique nomenclature. Conventional hardware can always be recognized by the inch marks '"', common to diameter and length.

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GENERAL INFORMATION

All engine components in this catalog are divided into twelve major groups of functionally related parts. A listing of the groups and their sub-groups appears under "Group Nomenclature" on page 4 of this section.

Within each sub-group different designs of similar equipment are shown, each being designated by a type number. The type number in one sub-group has no relationship to the same type number in another sub-group.

Each Engine Model is provided with a Model Index, showing Standard type numbers currently available on the model. Standard option types are indicated by a • symbol. Standard option and all optional type numbers are listed on the engine Option Plate, as shown in the illustration below.

The names and type numbers of optional equipment built into the unit at the factory are listed on this plate, along with the unit model, serial number and customer specification number (if any). Material not listed on the Option Plate is standard equipment and the type number is obtained from the model index. (Copies of the information, on the Option Plate Work Sheet, are furnished to distributors for their files.)

To locate a part, first, establish the group where the part is used (see the Alphabetical Index or Group Nomenclature page) then, determine the type number for the group from either the Option Plate or the Model Index. With this information, turn to the proper group and locate the type number at the top of the page. All parts applicable to the type are indicated by the quantity indicated in the column. An AR in this column indicates an "as required" quantity.

EXAMPLE

For purposes of illustration, a model 5063-5000 unit will be used. The following examples cover the steps to be followed:

1. To determine the part number of the crankshaft, refer to the Option Plate and note there is no reference to it, indicating it is standard equipment. Next turn to the Model Index and establish that the crankshaft is type 44 in group 1.3000. Turn to group 1.3000 and locate type 44 at the top of the page. All items with a quantity in this column apply to this unit. In sub-group 1.3001 crankshaft assy., the quantity in type 44 column shows the crankshaft to be part number 5144616.

2. To determine the proper crankshaft pulley for this unit again refer to the Option Plate and note that Crankshaft Pulley type number is 171, consult the group nomenclature page to establish that crankshaft pulley is group 1.3000C. Now turn to group 1.3000C and find type 171 at the top of the page. The quantity shown in type 171 at sub-group 1.3280 shows the crankshaft pulley to be part number 5109638.



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ASSEMBLY BREAKDOWN

The Assembly Breakdown section is designed to eliminate repeating components of assemblies and sub-assemblies. When the Assembly Breakdown is used it is always found at the end of the group it pertains to. The pages are easily identified. They are numbered with an alphabetical prefix. Assemblies which make use of the Assembly Breakdown will have a note to that effect under the sub-group heading. The note will refer to the page on which the assembly is shown. The part number will appear in the first group of the Assembly Breakdown showing the quantity used in one of the alphabetically designated columns. All other items appearing in that column are components of the assembly.

ALPHABETICAL INDEX

The Alphabetical Index on page 5 is particularly helpful when only a part name is known and the group can not readily be determined. Parts are listed alphabetically by noun name, followed by a description of the application of the part and the final group location.

PARTS RELEASE

A Parts Release on Microfiche, is issued monthly to keep this catalog up-to-date. It consists of revised Fiche for insertion in the set. All new Fiche carry a date of issue. These should be inserted into the deck immediately upon receipt. Old Fiche may then be destroyed.

A checklist is included with each monthly Microfiche update. The checklist will indicate, by date, those Fiche revised and reissued.

MISCELLANEOUS

At the beginning of each of the sections of this catalog there are several pages of illustrations. In each section of the parts list figure numbers refer to illustrations within that section only unless otherwise noted. In the majority of cases illustrations are typical, that is, they may represent more than one part number. For example, in the case of the flywheel housing, figure 3B of section 1.0000, a single housing is shown to represent all housings. Key numbers on illustrations are final group numbers.

In many instances a part has more than one application. Wherever a part appears in its second or third application the basic group is shown in parentheses following the description.

Unless otherwise specified, standard bolts in the parts list are hexagon head. Other standard parts are described in detail.

The information and illustrations in this publication are based on the information in effect at the time of approval for printing. The right is reserved to make changes at any time without notice.

YOUR PARTS ORDER WILL BE HANDLED MORE EFFICIENTLY IF YOU—

1. Provide the following information for material ordered:
   - A. Group in parts book in which it is specified.
   - B. Quantity desired.
   - C. Part Number.
   - D. Complete Nomenclature.
   - E. The Type number for the model concerned.
   - F. Complete unit model identification and serial number.
   - G. "TYPE" rather than "WRITE" the above information.
2. Furnish complete shipping instruction. This is particularly important in case the order is not to be handled in the regular manner. Indicate whether shipment should be made via parcel post, express, air freight, etc.
3. Confirm all telegraph and telephone orders immediately, clearly marking any such orders "CONFIRMING" to avoid duplication of shipment of such orders.

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bicer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

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ALPHABETICAL INDEX

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*	
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ACCUMULATOR, HYDRAULIC STARTER	12.6570
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ADAPTOR, AIR CLEANER MOUNTING	3. 1085
ADAPTOR, AIR COMPRESSOR	12.4020
ADAPTOR, AIR INLET HOUSING	3. 3004
ADAPTOR, AIR SILENCER	3. 2015
ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK	2. 7830
ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK	2. 8945
ADAPTOR, DIPSTICK	4. 6020
ADAPTOR, DIPSTICK	4. 6030
ADAPTOR, FLANGE MOUNTED ALTERNATOR	7. 1588
ADAPTOR, FLYWHEEL HOUSING	1. 5130
ADAPTOR, FRESH WATER PUMP	5. 1005
ADAPTOR, FUEL PUMP DRIVE	2. 2260
ADAPTOR, HYDRAULIC MARINE GEAR OIL PUMP	9. 1477
ADAPTOR, HYDRAULIC PUMP	12.5020
ADAPTOR, MARINE GEAR HOUSING	9. 1007
ADAPTOR, OIL COOLER	4. 4110
ADAPTOR, OIL FILLER TUBE	4. 5005
ADAPTOR, OIL FILTER	8. 3873
ADAPTOR, OIL FILTER COVER	4. 2291
ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR)	4. 3025
ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER	4. 3025
ADAPTOR, OVERSPEED TRIP GOVERNOR	7. 4635
ADAPTOR, POWER TAKE-OFF TO CLUTCH	8. 1905
ADAPTOR, TACHOMETER DRIVE CABLE	7. 4420
ADAPTOR, TACHOMETER DRIVE COVER	7. 4457
ADAPTOR, TACHOMETER MOUNTING	7. 4061
ADAPTOR, TORQUE CONVERTER DIPSTICK	8. 3841
ADAPTOR, WATER TEMPERATURE GAGE	7. 4084
ADAPTOR, WATER TEMPERATURE SWITCH	7. 4509
AIR CLEANER ASSY.	3. 1001
AMMETER, BATTERY CHARGING	7. 4015
ANTI-SQUEAK ENGINE HOOD	10.1070
ARM ASSY., EXHAUST VALVE ROCKER	1. 8060
ARM ASSY., INJECTOR ROCKER	1. 8080
ARM, FAN BELT IDLER PULLEY ADJUSTING	5. 4343
ARM, IDLER PULLEY ADJUSTING	5. 1201
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BAFFLE, AIR CLEANER	3. 1045
BAFFLE, BREATHER	4. 8025
BAFFLE, GENERATOR FAN	7. 1470
BAFFLE, MARINE GEAR HOUSING OIL	9. 1380
BAFFLE, MARINE GEAR OIL	9. 1380
BAFFLE, OIL PAN	4. 7045
BAFFLE, REDUCTION HOUSING OIL	9. 1386
BALL HEAD ASSY., GOVERNOR	2. 8560
BALL HEAD, HYDRAULIC OVERSPEED TRIP GOVERNOR	7. 4617
BASE KIT, GOVERNOR	2. 8690
BASE, ENGINE MOUNTING	11.1001
BASE, GOVERNOR	8. 3380
BEARING, ACCESSORY DRIVE	1. 7655
BEARING, AIR COMPRESSOR DRIVE SHAFT	12.4048
BEARING, BILGE PUMP SHAFT	12.2100
BEARING, BLOWER ROTOR FRONT	3. 4040
B	
BEARING, BLOWER ROTOR REAR	3. 4060
BEARING, CAMSHAFT END	1. 7010
BEARING, CLUTCH DRIVE SHAFT	8. 1680
BEARING, CLUTCH PILOT	1. 4040
BEARING, CLUTCH PILOT	8. 1450
BEARING, CLUTCH RELEASE	8. 1290
BEARING, CLUTCH SHAFT	9. 1033
BEARING, CRANKSHAFT FRONT SUPPORT	4. 1219
BEARING, FAN BELT IDLER PULLEY	5. 4332
BEARING, FAN SHAFT	5. 4110
BEARING, FRESH WATER PUMP	5. 1070
BEARING, FRESH WATER PUMP IDLER PUMP IDLER PULLEY	5. 1202
BEARING, GENERATOR DRIVE	7. 1535
BEARING, GOVERNOR DRIVE THRUST	2. 8830
BEARING, GOVERNOR DRIVEN SHAFT	2. 8810
BEARING, GOVERNOR OPERATING SHAFT	8. 3410
BEARING, GOVERNOR OPERATING SHAFT-LOWER	2. 7270
BEARING, GOVERNOR OPERATING SHAFT-UPPER	2. 7260
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BEARING, HYDRAULIC STARTER ENGINE PUMP	12.6602
BEARING, HYDRAULIC STARTER ENGINE PUMP PISTON	12.6610
BEARING, IDLER GEAR	1. 7225
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BEARING, PISTON PIN	1. 6142
BEARING, PLANETARY GEAR	9. 1087
BEARING, RAW WATER PUMP	5. 6130
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BEARING, REDUCTION GEAR DRIVE SHAFT THRUST	9. 1350
BEARING, ROTOR ASSY. SHAFT	3. 5027
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BELL CRANK ASSY., GOVERNOR OPERATING	2. 8965
BELL CRANK, GOVERNOR TO INJECTOR LINK	2. 7823
BELL, ALARM SYSTEM	7. 4513
BELLOWS ASSY., AIR SHUTDOWN	3. 4414
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BELT, CRANKSHAFT PULLEY DRIVE	1. 3320
BELT, FRESH WATER PUMP DRIVE	5. 1215
BELT, GENERATOR DRIVE	7. 1575
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BODY ASSY., MASTER CYLINDER	12.6810
BODY, AIR CLEANER	3. 1030
BODY, AIR HEATER	7. 8030
BODY, BILGE PUMP	12.2010
BODY, BREATHER OR SEPARATOR	4. 8050
BODY, FRESH WATER PUMP	5. 1030
BODY, FUEL PUMP	2. 2010
BODY, GOVERNOR	8. 3370
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BODY, HYDRAULIC STARTER ENGINE PUMP	12.6595
BODY, HYDRAULIC STARTER HAND PUMP	12.6633
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BRACKET, ACCESSORY DRIVE	1. 7607
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BRACKET, AIR CLEANER MOUNTING	3. 1230
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BRACKET, AIR HEATER COIL	7. 8090
BRACKET, AIR HEATER PUMP AND VALVE	7. 8203
BRACKET, AIR SHUTOFF SOLENOID	7. 4530
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BRACKET, CONVERTER OIL FILTER MOUNTING	8. 3880
BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT	2. 9030
BRACKET, DRAIN TANK MOUNTING	1. 1240
BRACKET, ENGINE LIFTER-FRONT	1. 2070
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PART NAME	GROUP NO.
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BRACKET, OIL COOLER HOUSING SUPPORT	4. 4100
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BRACKET, OIL FILTER LINE CLIP	4. 3050
BRACKET, OIL FILTER MOUNTING	2. 8995
BRACKET, OIL FILTER MOUNTING	4. 2440
BRACKET, OIL PAN DRAIN TUBE	4. 7112
BRACKET, OIL PUMP SCREEN SUPPORT	4. 1540
BRACKET, OVERSPEED VALVE MOUNTING	7. 4742
BRACKET, RADIATOR MOUNTING	5. 3260
BRACKET, RAW WATER PUMP MOUNTING	5. 6380
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BRACKET, TRANSMISSION CABLE MT	2. 9960
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BRACKET, TURBOCHARGER SUPPORT	3. 5002
BRACKET, WATER FILTER MOUNTING	5. 7080
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CAGE, INJECTOR VALVE SPRING	2. 1257
CAGE, PLANETARY GEAR	9. 1081
CAM, AIR SHUTDOWN SHAFT	3. 4424
CAM, BLOWER DRIVE COUPLING	3. 4390
CAM, FUEL MODULATING	2. 9085
CAM, HYDRAULIC STARTER HAND PUMP	12.6643
CAM, NEUTRAL	9. 1157
CAM, OVERSPEED VALVE ADJUSTING	7. 4740
CAM, RAW WATER PUMP BODY OFFSET	5. 6035
CAMSHAFT AND GEAR TRAIN	1. 7000
CAMSHAFT ASSY.	1. 7001
CAP AND SPACER, FAN HUB	5. 4180
CAP, CRANKSHAFT MAIN BEARING	1. 3110
CAP, EXHAUST PIPE	6. 2093
CAP, EXHAUST VALVE SPRING	1. 8350
CAP, EXPANSION TANK	5. 5140
CAP, FUEL TANK	2. 6030
CAP, GOVERNOR LOW SPEED SPRING	2. 7580
CAP, GOVERNOR SPEED ADJUSTING SHAFT SPACER	2. 8365
CAP, GOVERNOR WEIGHT HOUSING	2. 7510
CAP, HYDRAULIC STARTER ACCUMULATOR	12.6573
CAP, HYDRAULIC STARTER RESERVOIR	12.6555
CAP, INJECTOR FILTER	2. 1130
CAP, INJECTOR SHIPPING	2. 1150
CAP, OIL FILLER	4. 5010
CAP, OVERSPEED TRIP GOVERNOR SPRING	7. 4653
CAP, RADIATOR FILLER	5. 3120
CAP, REDUCTION GEAR OIL FILLER	9. 1415
CAP, STARTING AID TANK PRESSURE	12.6360
CARRIER, FLYWHEEL PILOT BEARING	1. 4055
CARRIER, GOVERNOR WEIGHT SHAFT	2. 7370
CARTON ENGINE PART	12.8050
CASING, FLEXIBLE SHAFT	12.8502
CATCH, ENGINE HOOD HOLD DOWN CLAMP	10.1050
CATCH, ENGINE HOOD SIDE PANEL	10.1057
CHAIN, OIL FILLER CAP	4. 5030
CLAMP, AIR COMPRESSOR WATER TUBE HOSE	12.4097
CLAMP, AIR INLET PIPE HOSE	3. 1280
CLAMP, AIR SILENCER OUTLET ELBOW HOSE	3. 2024
CLAMP, AMMETER	7. 4020
CLAMP, BLOWER DRIVE COVER PACKING	3. 4227
CLAMP, BLOWER DRIVE COVER SEAL	3. 4227
CLAMP, BLOWER VALVE (MINI-BYPASS)	3. 4146
CLAMP, BREATHER EXTENSION PIPE HOSE	4. 8180
CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE	5. 3434
CLAMP, EXHAUST MANIFOLD FRESH WATER OUTLET HOSE	5. 3445
CLAMP, FUEL PRESSURE GAGE	7. 4093
CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE	5. 3305
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CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE	5. 3341
CLAMP, INJECTOR	2. 1270
CLAMP, OIL COOLER WATER INLET	4. 4214
CLAMP, OIL COOLER WATER INLET HOSE	4. 4214
CLAMP, OIL PRESSURE GAGE	7. 4072
CLAMP, OIL TEMPERATURE GAGE	7. 4078
CLAMP, RADIATOR INLET HOSE	5. 3300
CLAMP, RADIATOR OUTLET HOSE	5. 3340
CLAMP, TACHOMETER	7. 4065
CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING	7. 4433
CLAMP, WATER TEMPERATURE GAGE	7. 4082
CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM	1. 8130
CLIP, AIR BOX DRAIN TUBE	1. 1145
CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.	12.4377
CLIP, AIR COMPRESSOR LUBE OIL TUBE	12.4080
CLIP, AIR COMPRESSOR WATER TUBE	12.4095
CLIP, AIR HEATER INLET AND OUTLET TUBE	7. 8320
CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE	3. 3270
CLIP, BREATHER TUBE	4. 8040
CLIP, CYLINDER HEAD INLET	2. 5180
CLIP, DIPSTICK	4. 6040
CLIP, DIPSTICK TORQUE CONVERTER	8. 3842
CLIP, EXPANSION TANK OVERFLOW TUBE	5. 5200
CLIP, FILTER OUTLET TUBE	2. 5156
CLIP, FILTER TO FUEL MANIFOLD TUBE	2. 5155
CLIP, FUEL COOLER INLET LINES	2. 5216
CLIP, FUEL DRAIN	2. 5220
CLIP, FUEL DRAIN CROSSOVER	2. 5207
CLIP, FUEL PUMP DRAIN TUBE	2. 2320
CLIP, FUEL PUMP TO FILTER HOSE	2. 5120
CLIP, FUEL SUPPLY CROSSOVER TUBE	2. 5164
CLIP, FUEL SUPPLY TO STRAINER	2. 5020
CLIP, FUEL SYSTEM FLEXIBLE HOSE	12.8554
CLIP, GOVERNOR CONTROL WIRE TUBE	2. 9428
CLIP, GOVERNOR THROTTLE LEVER RETURN SPRING	2. 7912
CLIP, HEAT EXCHANGER RAW WATER INLET TUBE	5. 5390
CLIP, OIL COOLER LINES	4. 4345
CLIP, OIL COOLER TO CONVERTER TUBE	8. 3819
CLIP, OIL FILTER LINE	4. 3045
CLIP, OIL PAN DRAIN TUBE	4. 7101
CLIP, OIL PRESSURE GAGE TUBE	7. 4076
CLIP, SHUTDOWN RESET LEVER ROD	3. 3127
CLIP, SOLENOID VALVE TUBE	2. 7928
CLIP, STRAINER TO FUEL PUMP	2. 5070
CLIP, TRANSMISSION	2. 9950
CLIP, TRANSMISSION CABLE MT	2. 9950
CLIP, TURBOCHARGER OIL RETURN TUBE	3. 5507
CLIP, TURBOCHARGER OIL SUPPLY TUBE	3. 5502
CLIP, WATER BYPASS TUBE	5. 2190
CLIP, WIRING HARNESS	7. 7010
CLUTCH ASSY.	8. 1017
CLUTCH, HYDRAULIC STARTER DRIVE	12.6506
COIL ASSY., AIR HEATER	7. 8080
COLD WEATHER STARTING AID KIT	12.6301
COLLAR, CLUTCH RELEASE	8. 1295
COLLAR, GOVERNOR DRIVE SHAFT	2. 8620
COLLAR, THROTTLE CONTROL CROSS SHAFT	2. 9330
COLLAR, TURBOCHARGER ROTOR THRUST	3. 5034
COMPRESSOR ASSY., AIR	12.4001
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PART NAME	GROUP NO.
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CONE, POWER TAKE-OFF ADAPTOR	8. 1907
CONE, RAW WATER PUMP CLUTCH	5. 6600
CONE, VIBRATION DAMPER-FRONT	1. 3240
CONE, VIBRATION DAMPER-REAR	1. 3250
CONNECTING ROD AND PISTON	1. 6000
CONNECTING ROD ASSY.	1. 6001
CONNECTION, EXPANSION TANK INLET	5. 3313
CONNECTION, FLEXIBLE EXHAUST	6. 2095
CONNECTION, HEAT EXCHANGER INLET	5. 3314
CONNECTION, HEAT EXCHANGER WATER OUTLET	5. 3312
CONNECTION, OIL COOLER WATER INLET	4. 4211
CONNECTION, OIL COOLER WATER INLET	5. 3350
CONNECTION, RADIATOR INLET	5. 3270
CONNECTION, RADIATOR OUTLET	5. 3310
CONNECTION, RAW WATER PUMP INLET AT GEAR BOX	5. 6500
CONNECTION, TACHOMETER SHAFT	8. 3475
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CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET	5. 3430
CONNECTOR, FUEL PIPE	*2. 4030*
CONNECTOR, TURBOCHARGER EXHAUST INLET	3. 5305
CONTAINER, INJECTOR SHIPPING	2. 1010
CONTROL, VERNIER THROTTLE	2. 9133
CONVERSION KIT, MARINE GEAR	9. 1017
CONVERSION KIT, MARINE GEAR DRIVE RUBBER BLOCK	9. 1016
CONVERTER ASSY., TORQUE	8. 3001
COOLER ASSY., FUEL	2. 5212
CORE ASSY., OIL COOLER	4. 4001
CORE, HEAT EXCHANGER	5. 5003
CORE, OIL COOLER-ENGINE	4. 4001
COUPLING ASSY., POWER TAKE-OFF	8. 1910
COUPLING, ACCESSORY DRIVE	1. 7635
COUPLING, AIR COMPRESSOR DRIVE	12.4050
COUPLING, BLOWER DRIVE	3. 4370
COUPLING, ENGINE DRIVE SHAFT FLEXIBLE	1. 4060
COUPLING, FUEL PUMP DRIVE	2. 2230
COUPLING, GENERATOR DRIVE	7. 1560
COUPLING, GENERATOR DRIVE-INNER	*7. 1560*
COUPLING, HYDRAULIC PUMP DRIVE	12.5010
COUPLING, MARINE GEAR DRIVE	9. 1006
COUPLING, PROPELLER DRIVE SHAFT	9. 1440
COUPLING, RAW WATER PUMP DRIVE	5. 6420
COUPLING, THROTTLE CONTROL SHAFT	2. 9190
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COVER ASSY., GOVERNOR-COMPLETE	2. 7045
COVER ASSY., GOVERNOR-LESS SHAFT AND LEVERS	*2. 7050*
COVER ASSY., ROCKER	1. 8450
COVER, AIR CLEANER	3. 1020
COVER, AIR SHUTDOWN HOUSING	3. 4418
COVER, AIR SHUTOFF CONTROL HOUSING	7. 4553
COVER, BALANCE WEIGHT	1. 7470
COVER, BLOWER HOUSING END PLATE	3. 4180
COVER, BREATHER HOLE-IN BLOCK	4. 8195
COVER, CLUTCH HOUSING INSPECTION HOLE	8. 1060
COVER, CLUTCH RELEASE YOKE LUBRICATION	8. 1318
COVER, CRANKSHAFT FRONT	1. 3160
COVER, CYLINDER BLOCK HAND HOLE	1. 1040
COVER, CYLINDER BLOCK OIL HOLE	1. 1065
COVER, CYLINDER BLOCK WATER HOLE	1. 1060
COVER, CYLINDER BLOCK WATER HOLE COVER	12.6409
COVER, CYLINDER HEAD WATER HOLE	1. 2043
COVER, ENGINE FRONT - LOWER	4. 1218

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COVER, ENGINE FRONT-LOWER	4. 1218
COVER, ENGINE FRONT-UPPER	1. 3161
COVER, FAST IDLE AIR CYLINDER	*2. 7855*
COVER, FLYWHEEL HOUSING INSPECTION HOLE	1. 5080
COVER, FLYWHEEL HOUSING LARGE HOLE	1. 5030
COVER, FLYWHEEL HOUSING SMALL HOLE	1. 5050
COVER, FRESH WATER PUMP BODY	5. 1031
COVER, FUEL FILTER	2. 3390
COVER, FUEL PUMP	2. 2030
COVER, FUEL STRAINER	2. 3080
COVER, GOVERNOR	2. 8040
COVER, GOVERNOR BREATHER HOLE	2. 7005
COVER, GOVERNOR FUEL ROD SPRING	2. 8085
COVER, GOVERNOR HIGH SPEED SPRING	2. 7630
COVER, GOVERNOR VARIABLE SPEED SPRING HOUSING	2. 7692
COVER, GOVERNOR WEIGHT HOUSING	2. 7520
COVER, HEAT EXCHANGER	5. 5030
COVER, HEAT EXCHANGER TANK OUTLET	5. 3333
COVER, HYDRAULIC STARTER END	12.6543
COVER, INJECTOR CONTROL AIR CYLINDER	2. 9092
COVER, INSTRUMENT PANEL	*7. 4012*
COVER, MASTER CYLINDER RESERVOIR	12.6812
COVER, OIL COOLER HOUSING	4. 4060
COVER, OIL FILTER	4. 2290
COVER, OIL PAN	4. 7120
COVER, OIL PUMP	4. 1220
COVER, OUTPUT SHAFT BEARING	9. 1099
COVER, OVERSPEED TRIP GOVERNOR HOUSING	7. 4630
COVER, OVERSPEED VALVE	7. 4729
COVER, RADIATOR FILLER CAP	5. 3151
COVER, RAW WATER PUMP	5. 6090
COVER, REDUCTION GEAR BEARING	9. 1365
COVER, SELECTOR VALVE	9. 1178
COVER, TACHOMETER DRIVE	7. 4445
COVER, THERMOSTAT HOUSING	5. 2120
COVER, TRANSMISSION CABLE BRACKET MT	2. 9970
COVER, VERNIER THROTTLE CONTROL	2. 9149
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CRANKSHAFT PULLEY BELT	1. 3000D
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CRANKSHAFT, FRONT SUPPORT BEARING	1. 3165
CRANKSHAFT, FRONT SUPPORT SEAL RING	1. 3163
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CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR	7. 1607
CYLINDER ASSY., FAST IDLE AIR	2. 7850
CYLINDER ASSY., MASTER REMOTE CONTROL	12.6808
CYLINDER ASSY., THROTTLE CONTROL AIR	2. 9860
CYLINDER BLOCK	1. 1000
CYLINDER HEAD	1. 2000
CYLINDER KIT	1. 6182
CYLINDER, FORWARD CLUTCH PISTON	9. 1223
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DAMPER, VIBRATION	1. 3210
DEFLECTOR, INJECTOR SPILL	2. 1050
DEFLECTOR, ROTOR ASSY. SHAFT OIL	3. 5029

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DIPSTICK	4. 6001
DIPSTICK, REDUCTION GEAR	9. 1395
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DISC ASSY., CLUTCH	8. 1020
DISC, FLYWHEEL FLEXIBLE COUPLING	1. 4075
DISC, FUEL PUMP DRIVE	2. 2228
DRAINCOCK, FUEL FILTER	2. 3500
DRIVE ASSY., GENERATOR	7. 1507
DRIVE ASSY., GOVERNOR	2. 8750
DRIVE GEAR AND SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR	7. 4423
DRIVE UNIT, TACHOMETER	7. 4062
DRIVE, HYDRAULIC STARTER ENGINE PUMP	12.6594
DRIVEN GEAR AND SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR	7. 4425
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ELBOW, OIL COOLER WATER-OUTLET	5. 3420
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ELBOW, THERMOSTAT HOUSING OUTLET	5. 2092
ELBOW, TURBOCHARGER AIR OUTLET	3. 5417
ELBOW, WATER OUTLET MANIFOLD	5. 2035
ELBOW, WATER PUMP INLET	5. 3335
ELECTRICAL	7. 1000
ELECTRODE, AIR HEATER	7. 8120
ELECTRODE, HEAT EXCHANGER	5. 5010
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ELEMENT, AIR SILENCER	3. 2002
ELEMENT, CONVERTER OIL FILTER	8. 3872
ELEMENT, DRAIN TANK	1. 1180
ELEMENT, FUEL FILTER	2. 3320
ELEMENT, FUEL STRAINER	2. 3010
ELEMENT, HYDRAULIC STARTER FILTER	12.6805
ELEMENT, INJECTOR FILTER	2. 1110
ELEMENT, OIL FILTER	2. 8986
ELEMENT, OIL FILTER	4. 2250
ELEMENT, WATER FILTER	5. 7020
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EXTENSION, BREATHER TUBE	4. 8010
EYE, THROTTLE BOOSTER ADJUSTING	2. 7982
EYE, THROTTLE BOOSTER ADJUSTING	2. 9348
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FACING, CLUTCH	8. 1030
FAN, GENERATOR	7. 1440
FERRULE AND NUT, FLEXIBLE SHAFT CASING	12.8514
FILLER TUBE	4. 5000A
FILTER ASSY., CONVERTER OIL	8. 3870
FILTER ASSY., FUEL	2. 3310
FILTER ASSY., HYDRAULIC STARTER	12.6801
FILTER ASSY., OIL	4. 2240
FILTER ASSY., OIL-FULL FLOW	2. 8985
FILTER ASSY., WATER	5. 7001
FILTER KIT, CONVERSION	2. 1132
FILTER UNIT, BREATHER	4. 8060
FILTER, AIR HEATER	7. 8060
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FITTING, AUXILLARY PUMP AND TANK	2. 5004
FITTING, CLUTCH DRIVE SHAFT BEARING GREASE	8. 1685
FITTING, CLUTCH PILOT BEARING GREASE	8. 1455
FITTING, FUEL SYSTEM FLEXIBLE HOSE END	12.8552

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FLANGE, EXHAUST MANIFOLD WATER OUTLET	5. 3460
FLANGE, MARINE GEAR DRIVE	9. 1004
FLANGE, OIL COOLER WATER OUTLET	4. 4242
FLANGE, PROPELLER DRIVE	9. 1430
FLYWHEEL	1. 4000A
FLYWHEEL ASSY.	1. 4001
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FORK, FUEL PUMP COUPLING	2. 2220
FORK, GOVERNOR OPERATING	8. 3430
FORK, GOVERNOR OPERATING SHAFT-LOWER	2. 7290
FORK, GOVERNOR SPEED ADJUSTING LINKAGE SPRING	2. 8435
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GAGE, HYDRAULIC STARTER PRESSURE	12.6585
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GAGE, OIL PRESSURE-REVERSE GEAR OR TORQUE CONVERTER	7. 4071
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GASKET	9. 1148
GASKET BREATHER TUBE	4. 8020
GASKET KIT, CYLINDER HEAD OVERHAUL	1. 2002
GASKET KIT, ENGINE OVERHAUL	1. 1002
GASKET SET, BILGE PUMP BODY	12.2030
GASKET, ACCESSORY DRIVE	1. 7604
GASKET, ACCESSORY DRIVE ADAPTOR	1. 7623
GASKET, AIR BOOSTER INLET TUBE AND ELBOW TO AIR COMPRESSOR	12.4380
GASKET, AIR CLEANER BOTTOM	3. 1060
GASKET, AIR CLEANER COVER	3. 1025
GASKET, AIR CLEANER MOUNTING ADAPTOR	3. 1087
GASKET, AIR CLEANER SCREEN	3. 1055
GASKET, AIR COMPRESSOR ADAPTOR	12.4025
GASKET, AIR COMPRESSOR BOOSTER TUBE	12.4380
GASKET, AIR COMPRESSOR MOUNTING	12.4005
GASKET, AIR CYLINDER COVER	2. 9093
GASKET, AIR HEATER	7. 8020
GASKET, AIR HEATER INSULATOR	7. 8140
GASKET, AIR INLET HOUSING	3. 3010
GASKET, AIR INLET HOUSING FLANGE	3. 3007
GASKET, AIR SILENCER	3. 2012
GASKET, BALANCE WEIGHT COVER	1. 7480
GASKET, BLOWER	3. 4010
GASKET, BLOWER DRIVE GEAR HUB SUPPORT	3. 4360
GASKET, BLOWER HOUSING END PLATE COVER	3. 4190
GASKET, BREATHER BODY OR SEPARATOR	4. 8070
GASKET, BREATHER SHELL COVER	4. 8057
GASKET, CLUTCH HOUSING INSPECTION HOLE COVER	8. 1070
GASKET, CONVERTER OIL FILTER SHELL	8. 3875
GASKET, CRANKSHAFT FRONT COVER	1. 3170
GASKET, CRANKSHAFT FRONT COVER	4. 1229
GASKET, CRANKSHAFT FRONT COVER PLATE	1. 3172
GASKET, CYLINDER BLOCK END PLATE-FRONT	1. 1030
GASKET, CYLINDER BLOCK HAND HOLE COVER	1. 1050

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GASKET, CYLINDER BLOCK WATER HOLE COVER	1. 1070
GASKET, CYLINDER HEAD COMPRESSION	1. 2010
GASKET, CYLINDER HEAD WATER AND OIL	1. 2022
GASKET, CYLINDER HEAD WATER HOLE COVER	1. 2044
GASKET, DIPSTICK	4. 6010
GASKET, DRIVE TO GOVERNOR	2. 8760
GASKET, EXHAUST MANIFOLD	6. 1010
GASKET, EXHAUST MANIFOLD COVER PLATE	6. 1110
GASKET, EXHAUST MANIFOLD FRESH WATER INLET	5. 3431
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GASKET, EXHAUST OUTLET	6. 2105
GASKET, EXPANSION TANK FILLER NECK	5. 5130
GASKET, EXPANSION TANK INLET CONNECTION	5. 3322
GASKET, FLANGE MOUNTED ALTERNATOR ADAPTOR	7. 1589
GASKET, FLYWHEEL HOUSING	1. 5010
GASKET, FLYWHEEL HOUSING BELL	1. 5020
GASKET, FLYWHEEL HOUSING LARGE HOLE COVER	1. 5040
GASKET, FLYWHEEL HOUSING SMALL HOLE COVER	1. 5060
GASKET, FRESH WATER PUMP	5. 1010
GASKET, FRESH WATER PUMP ADAPTOR	5. 1006
GASKET, FRESH WATER PUMP BODY COVER	5. 1032
GASKET, FUEL FILTER COVER SCREW	2. 3420
GASKET, FUEL FILTER COVER SHELL	2. 3400
GASKET, FUEL FILTER MOUNTING BRACKET	2. 3570
GASKET, FUEL PUMP MOUNTING PLATE	2. 2237
GASKET, FUEL PUMP TO ENGINE	2. 2007
GASKET, FUEL PUMP VALVE PLUG	2. 2180
GASKET, FUEL STRAINER COVER	2. 3090
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GASKET, FUEL STRAINER MOUNTING BRACKET	2. 3270
GASKET, FUEL TANK CAP	2. 6035
GASKET, GENERATOR DRIVE	7. 1508
GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER	7. 1525
GASKET, GOVERNOR BODY TO BASE	8. 3390
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GASKET, GOVERNOR CONTROL HOUSING MOUNTING	2. 7232
GASKET, GOVERNOR COVER	2. 7051
GASKET, GOVERNOR COVER	2. 8045
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GASKET, HEAT EXCHANGER COVER	5. 5050
GASKET, HEAT EXCHANGER MOUNTING BRACKET	5. 5080
GASKET, HEAT EXCHANGER RAW WATER INLET TUBE	5. 5460
GASKET, HEAT EXCHANGER TANK INLET CONNECTION	5. 3323
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GASKET, HYDRAULIC MARINE GEAR OIL PUMP	9. 1480
GASKET, HYDRAULIC MARINE GEAR OIL PUMP ADAPTOR	9. 1478
GASKET, HYDRAULIC PUMP	12.5005
GASKET, HYDRAULIC PUMP ADAPTOR	12.5021
GASKET, HYDRAULIC STARTER	12.6502
GASKET, HYDRAULIC STARTER ENGINE PUMP BODY	12.6598
GASKET, HYDRAULIC STARTER MOTOR HOUSING	12.6530
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GASKET, OIL COOLER CORE-INNER	4. 4030
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GASKET, OIL COOLER HOUSING	4. 4055
GASKET, OIL COOLER HOUSING (TO BLOCK)	4. 4055
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GASKET, OIL COOLER WATER INLET CONNECTION	4. 4212
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GASKET, OIL COOLER WATER OUTLET FLANGE	4. 4244
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STUD, BILGE PUMP SHAFT PACKING GLAND	12.2080
STUD, CYLINDER HEAD	1. 2030
STUD, EXHAUST MANIFOLD TO HEAD	6. 1020
STUD, EXHAUST OUTLET	6. 2115
STUD, GOVERNOR OIL PUMP DRIVEN GEAR TO BASE	2. 8740
STUD, OIL FILTER CENTER	4. 2410
SUB-CAP ASSY., GOVERNOR	2. 8050
SUPPORT ASSY., FAN BELT IDLER PULLEY	5. 4347
SUPPORT, AIR CLEANER MOUNTING BRACKET	3. 1250
SUPPORT, AIR SILENCER	3. 2010
SUPPORT, BLOWER DRIVE COUPLING	3. 4380
SUPPORT, BLOWER DRIVE GEAR HUB	3. 4350
SUPPORT, BREATHER TUBE CLIP	4. 8042
SUPPORT, ENGINE FRONT	11.1070
SUPPORT, ENGINE FRONT TRUNNION MOUNTING	11.1090
SUPPORT, ENGINE REAR	11.1100
SUPPORT, ENGINE REAR HOOD	10.1025
SUPPORT, EXHAUST PIPE	6. 2091
SUPPORT, FAN MOUNTING	5. 4025
SUPPORT, FUEL STRAINER MOUNTING BRACKET	2. 3263
SUPPORT, FUEL SYSTEM SHUTOFF VALVE	2. 5270
SUPPORT, GENERATOR MOUNTING	11.1190
SUPPORT, INPUT SHAFT BEARING	9. 1024
SUPPORT, INSTRUMENT PANEL	7. 4013
SUPPORT, OIL FILTER MOUNTING	4. 2470
SUPPORT, OIL PUMP INLET TUBE	4. 1512
SUPPORT, POWER TAKE-OFF	8. 1895
SUPPORT, THROTTLE CONTROL BRACKET	2. 9175
SUPPORT, TORQUE CONVERTER	8. 3270
SUPPORT, VACUUM PUMP	12.3020
SWITCH, ALARM SHUTOFF-FUEL	7. 4598
SWITCH, ENGINE STARTING	7. 4115
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SWITCH, OIL PRESSURE	7. 4586
SWITCH, OVERSPEED TRIP GOVERNOR	7. 4659
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SWITCH, WATER HEATER CONTROL	12.6405
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SWITCH, WATER TEMPERATURE	7. 4505
T	
TACHOMETER	7. 4060
TANK AND STRAINER ASSY., STARTING AID	12.6355
TANK ASSY., AIR BOX AND FUEL PUMP DRAIN	1. 1150
TANK ASSY., FUEL	2. 6001
TANK EXPANSION	5. 5001
THERMOSTAT	5. 2000B
THERMOSTAT ASSY.	5. 2050
TIP ASSY., INJECTOR SPRAY	2. 1235
TIP KIT, INJECTOR SPRAY	2. 1220
TIP, FLEXIBLE SHAFT LOWER	12.8506
TIP, FLEXIBLE SHAFT UPPER	12.8508
TIP, INJECTOR SPRAY	2. 1230
TRANSMISSION ASSY.	9. 7001
TRUNNION, ENGINE FRONT	11.1088
TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET	12.4375
TUBE ASSY., ADAPTOR TO OUTLET ELBOW	7. 4686

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T	
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TUBE ASSY., CYLINDER HEAD AIR INLET	2. 9087
TUBE ASSY., CYLINDER INLET	2. 9086
TUBE ASSY., FUEL PUMP DRAIN	2. 2300
TUBE ASSY., GOVERNOR BEARING LUBRICATION	2. 7890
TUBE ASSY., INJECTOR CONTROL	2. 9001
TUBE, AIR BOX DRAIN	1. 1100
TUBE, AIR COMPRESSOR BOOSTER	12.4375
TUBE, AIR COMPRESSOR LUBE OIL DRAIN	12.4070
TUBE, AIR COMPRESSOR LUBE OIL SUPPLY	12.4065
TUBE, AIR COMPRESSOR WATER INLET	12.4085
TUBE, AIR COMPRESSOR WATER OUTLET	12.4090
TUBE, AIR HEATER FUEL RETURN	7. 8313
TUBE, AIR HEATER INLET	7. 8310
TUBE, AIR HEATER PUMP INLET	7. 8300
TUBE, BATTERY BOX HEATER	7. 8420
TUBE, BREATHER TUBE TO DRAIN TANK	4. 8190
TUBE, CONTROL VALVE TO HYDRAULIC PUMP HOUSING	9. 1598
TUBE, CONVERTER TO FILTER	8. 3827
TUBE, CONVERTER TO OIL COOLER	8. 3800
TUBE, CYLINDER HEAD VENT	5. 3480
TUBE, EXHAUST MANIFOLD FRESH WATER OUTLET	5. 3447
TUBE, EXHAUST MANIFOLD WATER-INLET	7. 4694
TUBE, EXHAUST MANIFOLD WATER-OUTLET	7. 4699
TUBE, EXPANSION TANK OVERFLOW	5. 5190
TUBE, FILTER OUTLET	2. 5151
TUBE, FILTER TO CYLINDER HEAD	2. 5149
TUBE, FILTER TO OIL COOLER	8. 3828
TUBE, FRESH WATER PUMP VENT	5. 1003
TUBE, FUEL COOLER	2. 5214
TUBE, FUEL DRAIN	2. 5210
TUBE, FUEL DRAIN CROSSOVER	2. 5205
TUBE, FUEL PUMP TO CYLINDER HEAD	2. 5101
TUBE, FUEL PUMP TO FILTER	2. 5100
TUBE, FUEL SUPPLY CROSSOVER	2. 5163
TUBE, FUEL SUPPLY TO STRAINER	2. 5001
TUBE, FUEL TANK SUCTION	2. 6095
TUBE, GOVERNOR OPERATING PRESSURE	2. 8910
TUBE, GOVERNOR OPERATING SHAFT	2. 7257
TUBE, HEAD TO BLOWER BREATHER	4. 8005
TUBE, HEAT EXCHANGER RAW WATER INLET INTERMEDIATE	5. 5430
TUBE, HEAT EXCHANGER WATER INLET	5. 5440
TUBE, HEAT EXCHANGER WATER OUTLET	5. 5550
TUBE, HYDRAULIC GEAR OIL STRAINER TO PUMP	9. 1720
TUBE, HYDRAULIC PUMP TO CONTROL VALVE	9. 1593
TUBE, HYDRAULIC STARTER ACCUMULATOR TO HYDRAULIC STARTER	12.6860
TUBE, HYDRAULIC STARTER HAND PUMP TO ACCUMULATOR	12.6855
TUBE, INJECTOR HOLE	1. 2045
TUBE, JUNCTION BLOCK INLET	4. 1581
TUBE, JUNCTION BLOCK TO CYLINDER HEAD	2. 5175
TUBE, LOW OIL PRESSURE SWITCH	4. 2497
TUBE, OIL COOLER TO CONVERTER	8. 3818
TUBE, OIL FILLER	4. 5001
TUBE, OIL FILTER INLET	4. 3001
TUBE, OIL FILTER OUTLET	4. 3020
TUBE, OIL PAN DRAIN	4. 7100
TUBE, OIL PRESSURE GAGE	4. 1597
TUBE, OIL PRESSURE GAGE FOR CUSTOMER GAGE CONNECTOR TO SELECTOR VALVE HOUSING FLANGE	9. 1775
TUBE, OIL PRESSURE GAGE-ENGINE	7. 4074
TUBE, OIL PRESSURE GAGE-MARINE	4. 1597

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TUBE, OVERSPEED VALVE AIR PRESSURE	7. 4744
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TUBE, OVERSPEED VALVE OIL SUPPLY	7. 4746
TUBE, RAW WATER PUMP GUIDE	5. 6670
TUBE, RAW WATER PUMP INLET	5. 5377
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TUBE, REDUCTION GEAR OIL FILLER	9. 1410
TUBE, SOLENOID VALVE DRAIN	2. 7930
TUBE, SOLENOID VALVE SUPPLY	2. 7925
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TUBE, STRAINER TO FUEL PUMP	2. 5050
TUBE, THERMOSTAT HOUSING VENT	5. 2135
TUBE, THROTTLE CONTROL CROSS SHAFT	2. 9312
TUBE, TURBOCHARGER OIL RETURN	3. 5505
TUBE, TURBOCHARGER OIL SUPPLY	3. 5500
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VALVE ASSY., GOVERNOR RELIEF	2. 8630
VALVE ASSY., HYDRAULIC STARTER ASSY. CONTROL	12.6516
VALVE ASSY., INJECTOR	2. 1240
VALVE ASSY., MASTER CYLINDER CHECK	12.6816
VALVE ASSY., OVERSPEED	7. 4725
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VALVE, HYDRAULIC STARTER ENGINE PUMP RELIEF	12.6620
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WASHER, CRANKSHAFT MAIN BEARING THRUST	1. 3100
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WASHER, FORWARD CLUTCH CYLINDER THRUST	9. 1224
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WASHER, GOVERNOR SHUTDOWN SHAFT	2. 7145
WASHER, GOVERNOR THROTTLE SHAFT	2. 7140
WASHER, PLANETARY GEAR THRUST	9. 1085
WASHER, REDUCTION GEAR PLANETARY GEAR THRUST	9. 1293
WASHER, THROTTLE CONTROL TUBE BRAKE	2. 9105
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WEIGHT ASSY., GOVERNOR	8. 3405
WEIGHT, FRONT BALANCE	1. 7140
WEIGHT, GOVERNOR	2. 7390
WEIGHT, OVERSPEED TRIP GOVERNOR	7. 4625
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WIRE, AIR SHUT-OFF CONTROL	3. 4429
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WIRE, GOVERNOR MANUAL SHUTDOWN LEVER	2. 7837
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MODEL INDEXES

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MODEL DESCRIPTION CHART
IN-LINE ENGINES

5043-5100

SERIES 53	NUMBER OF CYLINDERS	APPLICATION DESIGNATION (see below)	BASIC ENGINE ARRANGEMENTS *(see below)	DESIGN VARIATION (see below)	SPECIFIC MODEL NUMBER AND STARTER-BLOWER ARRANGEMENT
		5042—5100 MARINE 5043—5100 FAN TO F/W—INDUSTRIAL 5044—5100 POWER-BASE 5045—5100 GENERATOR 504Z—5100 FAN TO F/W—AUTOMOTIVE		5043—5000 "N" ENGINE 5043—5100 2 VALVE HEAD 5043—5200 4 VALVE HEAD 5042—2302 TURBOCHARGER	

APPLICATION DESIGNATION

5042—5100 MARINE
5043—5100 FAN TO F/W—INDUSTRIAL
5044—5100 POWER-BASE
5045—5100 GENERATOR
504Z—5100 FAN TO F/W—AUTOMOTIVE

DESIGN VARIATIONS

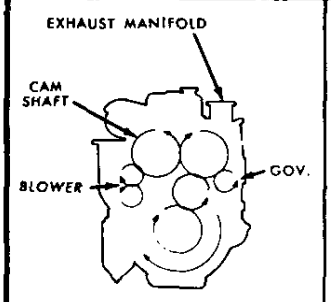
5043—5000 "N" ENGINE
5043—5100 2 VALVE HEAD
5043—5200 4 VALVE HEAD
5042—2302 TURBOCHARGER

STARTER-BLOWER ARRANGEMENT

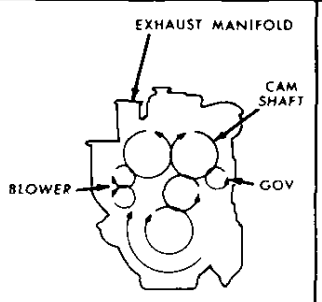
Odd number in last digit designates starter opposite blower.
Even number in last digit designates starter same side as blower.

*2, 3, 4-53 BASIC ENGINE ARRANGEMENTS

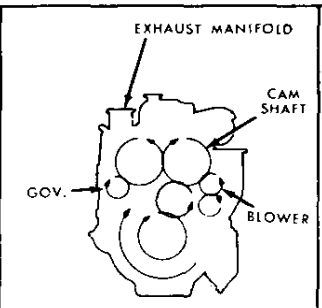
Rotation: L (left) and R (right) designates rotation viewed from the front of the engine.
Type: A-B-C-D designates location of exhaust manifold and blower as viewed from the rear (flywheel) end.



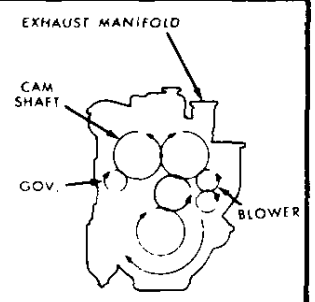
LA (XXXX-1XXX)



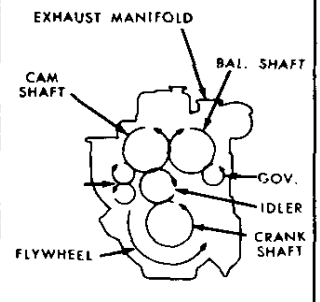
LB (XXXX-2XXX)



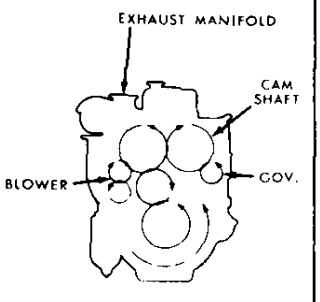
LC (XXXX-3XXX)



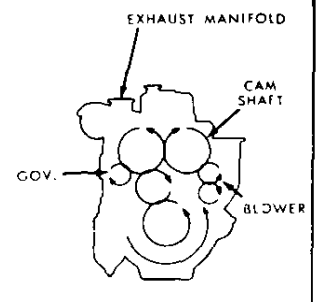
LD (XXXX-4XXX)



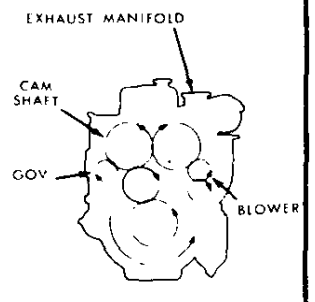
RA (XXXX-5XXX)



RB (XXXX 6XXX)



RC (XXXX-7XXX)



RD (XXXX-8XXX)

ALL VIEWS FROM FLYWHEEL (REAR) END OF ENGINE
ENGINE ROTATION DETERMINED BY VIEWING ENGINE FROM BALANCE WEIGHT COVER (FRONT) END

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MODEL DESCRIPTION CHART
V-TYPE ENGINES

5 0 6 2 - 7 2 0 0

SERIES 53	NUMBER OF CYLINDERS	APPLICATION DESIGNATION (see below)	BASIC ENGINE ARRANGEMENTS (see below)	DESIGN VARIATION (see below)	SPECIFIC MODEL NUMBER

APPLICATION DESIGNATION

5062—7200 MARINE
5063—7200 FAN TO F/W—INDUSTRIAL
5064—7200 POWER-BASE
5065—7200 GENERATOR
5067—7200 FAN TO F/W—AUTOMOTIVE

DESIGN VARIATIONS

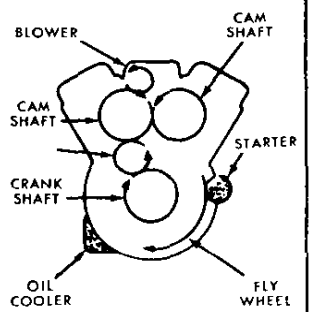
5063—7000 "N" ENGINE
5063—7200 4 VALVE HEAD
5063—5397 TURBOCHARGED

BASIC ENGINE ARRANGEMENTS:

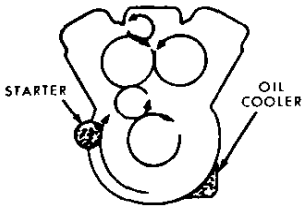
Rotation: L (left) and R (right) designates rotation viewed from the front of engine.

Type: A-B-C-D designates location of starter and oil cooler as viewed from the rear (flywheel) end.

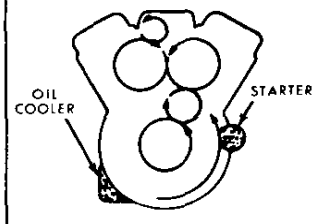
Cylinder Bank: Left and right cylinder banks are determined from rear of engine.



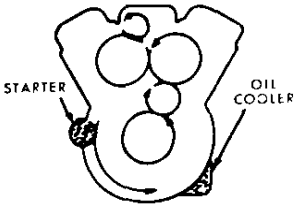
LA (XXXX-1XXX)



LC (XXXX-3XXX)



RA (XXXX-5XXX)



RC (XXXX-7XXX)

ALL VIEWS FROM FLYWHEEL (REAR) END OF ENGINE
ENGINE ROTATION DETERMINED BY VIEWING ENGINE FROM BALANCE WEIGHT COVER (FRONT) END

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5020-7101	2-53 2 VALVE HEAD (DISTRIBUTOR EXCHANGE UNIT)
5023-5101	2-53 2 VALVE HEAD, STARTER ON RIGHT
5023-5103	2-53 2 VALVE HEAD, STARTER ON RIGHT, REEFER CAR APPLICATION
5023-5104	2-53 2 VALVE HEAD, STARTER ON LEFT, REEFER CAR APPLICATION
5023-6100	2-53 2 VALVE HEAD, STARTER ON LEFT
5023-7100	2-53 2 VALVE HEAD, STARTER ON RIGHT
5023-7101	2-53 2 VALVE HEAD, STARTER ON LEFT
5023-7121	2-53 2 VALVE HEAD, FOR JOHN DEERE TRACTOR
5023-8101	2-53 2 VALVE HEAD, STARTER ON LEFT
5024-5101	2-53 2 VALVE HEAD, STARTER ON RIGHT
5024-7101	2-53 2 VALVE HEAD, STARTER ON LEFT
5024-8100	2-53 2 VALVE HEAD, STARTER ON RIGHT, HEAT EXCHANGER COOLED
5025-7101	2-53 2 VALVE HEAD, STARTER ON LEFT
5025-8100	2-53 2 VALVE HEAD, STARTER ON RIGHT, HEAT EXCHANGER COOLED

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5030-7000	3-53 N ENGINE (DISTRIBUTOR EXCHANGE UNIT)
5032-2002	3-53 N ENGINE, STARTER ON LEFT, INCLINED PORT
5032-2202	3-53 4 VALVE HEAD, STARTER ON LEFT, INCLINED PORT
5032-4000	3-53 N ENGINE, STARTER ON RIGHT, STARBOARD
5032-4050	3-53 4 VALVE MARINE PROPULSION STARBOARD UNIT
5032-4100	3-53 2 VALVE HEAD, STARTER ON RIGHT, STARBOARD
5032-4200	3-53 4 VALVE HEAD, STARTER ON RIGHT, STARBOARD
5032-6000	3-53 N ENGINE, STARTER ON LEFT, PORT
5032-6050	3-53 4 VALVE MARINE PROPULSION PORT UNIT
5032-6100	3-53 2 VALVE HEAD, STARTER ON LEFT, PORT
5032-6200	3-53 4 VALVE HEAD, STARTER ON LEFT, PORT
5032-7001	3-53 4 VALVE HEAD, STARTER ON LEFT
5032-8002	3-53 N ENGINE, STARTER ON RIGHT, INCLINED STARBOARD
5032-8202	3-53 4 VALVE HEAD, STARTER ON RIGHT, INCLINED STARBOARD
5033-3001	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-4002	3-53 4 VALVE HEAD, STARBOARD
5033-5001	3-53 N ENGINE STARTER ON RIGHT
5033-5008	3-53 N ENGINE 4 VALVE HEAD, STARTER ON LEFT
5033-5050	3-53 4 VALVE HEAD, BRASIL
5033-5051	3-53 4 VALVE HEAD, BRASIL
5033-5098	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-5100	3-53 2 VALVE HEAD, STARTER ON LEFT
5033-5101	3-53 2 VALVE HEAD, STARTER ON RIGHT
5033-5108	3-53 2 VALVE HEAD, STARTER ON RIGHT
5033-5200	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-5201	3-53 4 VALVE HEAD, STARTER ON RIGHT
5033-5298	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-6002	3-53 4 VALVE HEAD, PORT
5033-6299	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-7000	3-53 4 VALVE HEAD, STARTER ON RIGHT
5033-7001	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-7007	3-53 4 VALVE INDUSTRIAL FAN TO FLYWHEEL
5033-7008	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-7030	3-53 N ENGINE, STARTER ON RIGHT
5033-7032	3-53 4-VALVE FAN TO FLYWHEEL
5033-7050	3-53 4 VALVE HEAD, BRASIL
5033-7051	3-53 4 VALVE INDUSTRIAL FAN TO FLYWHEEL
5033-7098	3-53 4 VALVE HEAD, STARTER ON RIGHT
5033-7101	3-53 2 VALVE HEAD, STARTER ON LEFT
5033-7103	3-53 2 VALVE HEAD, STARTER ON LEFT
5033-7105	3-53 2 VALVE HEAD, STARTER ON LEFT
5033-7107	3-53 2 VALVE HEAD, STARTER ON LEFT
5033-7108	3-53 2 VALVE HEAD, STARTER ON LEFT
5033-7132	3-53 2 VALVE HEAD, STARTER ON LEFT
5033-7200	3-53 4 VALVE HEAD, STARTER ON RIGHT
5033-7201	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-7298	3-53 4 VALVE HEAD, STARTER ON LEFT
5033-8001	3-53 4 VALVE HEAD, S & S DIESEL DRIVE MARINE
5033-8101	3-53 2 VALVE HEAD, STARTER ON LEFT
5033-8300	3-53 INDUSTRIAL FAN TO FLYWHEEL TURBO UNIT
5033-8301	3-53 INDUSTRIAL FAN TO FLYWHEEL TURBO UNIT
5033-8302	3-53 INDUSTRIAL FAN TO FLYWHEEL TURBO UNIT
5034-5101	3-53 2 VALVE HEAD, STARTER ON RIGHT
5034-7098	3-53 4 VALVE HEAD, STARTER ON RIGHT
5034-7101	3-53 2 VALVE HEAD, STARTER ON LEFT
5034-7201	3-53 4 VALVE HEAD, STARTER ON LEFT
5034-7203	3-53 4 VALVE HEAD, STARTER ON LEFT
5034-7298	3-53 4 VALVE HEAD, STARTER ON RIGHT
5034-8000	3-53N ENGINE, 4 VALVE HEAD, STARTER ON LEFT, HEAT EXCHANGER COOLED
5034-8100	3-53 2 VALVE HEAD, STARTER ON RIGHT, HEAT EXCHANGER COOLED

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5040-7000	4-53 N ENGINE (DISTRIBUTOR EXCHANGE UNIT)
5042-2002	4-53 N ENGINE, STARTER ON RIGHT, INCLINED PORT
5042-2202	4-53 4 VALVE HEAD, STARTER ON LEFT, INCLINED PORT
5042-2302	4-53 TURBOCHARGED, INCLINED PORT
5042-4000	4-53 N ENGINE, STARTER ON RIGHT, STARBOARD
5042-4050	4-53 4 VALVE MARINE PROPULSION STARBOARD UNIT
5042-4100	4-53 2 VALVE HEAD, STARTER ON RIGHT, STARBOARD
5042-4200	4-53 4 VALVE HEAD, STARTER ON RIGHT, STARBOARD
5042-6000	4-53 N ENGINE, STARTER ON LEFT, PORT
5042-6050	4-53 4 VALVE MARINE PROPULSION PORT UNIT
5042-6100	4-53 2 VALVE HEAD, STARTER ON LEFT, PORT
5042-6200	4-53 4 VALVE HEAD, STARTER ON LEFT, PORT
5042-8002	4-53 N ENGINE, STARTER ON RIGHT, INCLINED STARBOARD
5042-8202	4-53 4 VALVE HEAD, STARTER ON RIGHT, INCLINED STARBOARD
5042-8302	4-53 TURBOCHARGED, INCLINED STARBOARD
5043-5001	4-53 N ENGINE, STARTER ON RIGHT
5043-5021	4-53 N ENGINE, STARTER ON RIGHT, OLIVER 1900 TRACTOR
5043-5050	4-53 4 VALVE HEAD, BRASIL
5043-5081	4-53 4 VALVE FAN TO FLYWHEEL INDUSTRIAL UNIT
5043-5101	4-53 2 VALVE HEAD, STARTER ON RIGHT
5043-5102	4-53 2 VALVE HEAD, STARTER ON LEFT, FOR AIR COMP. APPLICATION
5043-5121	4-53 2 VALVE HEAD, OLIVER 1900 TRACTOR
5043-5198	4-53 2 VALVE HEAD, STARTER ON RIGHT
5043-5200	4-53 4 VALVE HEAD, STARTER ON LEFT
5043-5201	4-53 4 VALVE HEAD, STARTER ON RIGHT
5043-5221	4-53 4 VALVE HEAD, OLIVER 1900 TRACTOR
5043-5340	4-53 INDUSTRIAL FAN TO FLYWHEEL TURBO UNIT
5043-7000	4-53 N ENGINE, STARTER ON RIGHT
5043-7001	4-53 N ENGINE, STARTER ON RIGHT
5043-7002	4-53 INDUSTRIAL FAN TO FLYWHEEL
5043-7005	4-53 4 VALVE INDUSTRIAL FAN TO FLYWHEEL
5043-7008	4-53 4 VALVE HEAD, STARTER ON LEFT
5043-7032	4-53 4 VALVE FAN TO FLYWHEEL
5043-7050	4-53 4 VALVE HEAD, BRASIL
5043-7051	4-53 4 VALVE HEAD, BRASIL
5043-7098	4-53 4 VALVE HEAD, STARTER ON RIGHT
5043-7101	4-53 2 VALVE HEAD, STARTER ON LEFT
5043-7105	4-53 2 VALVE HEAD, STARTER ON LEFT
5043-7108	4-53 2 VALVE HEAD, STARTER ON LEFT
5043-7132	4-53 2 VALVE HEAD, STARTER ON LEFT
5043-7200	4-53 4 VALVE HEAD, STARTER ON RIGHT
5043-7201	4-53 4 VALVE HEAD, STARTER ON LEFT
5043-7298	4-53 4 VALVE HEAD, STARTER ON RIGHT
5043-8000	4-53 4 VALVE HEAD, STARTER ON RIGHT
5043-8001	4-53 4 VALVE HEAD, S & S DIESEL DRIVE MARINE
5043-8301	4-53 4 VALVE HEAD, TURBOCHARGED
5043-8341	4-53 T FAN TO FLYWHEEL TURBOCHARGED UNIT
5043-8399	4-53 INDUSTRIAL FAN TO FLYWHEEL TURBOCHARGED
5044-5101	4-53 2 VALVE HEAD, STARTER ON RIGHT
5044-7101	4-53 2 VALVE HEAD, STARTER ON LEFT
5044-7201	4-53 4 VALVE HEAD, STARTER ON LEFT
5044-7203	4-53 4 VALVE HEAD, STARTER ON LEFT, TORQUE CONVERTER
5044-8000	4-53N ENGINE, 4 VALVE HEAD, STARTER ON LEFT, HEAT EXCHANGER COOLED
5044-8100	4-53 2 VALVE HEAD, STARTER ON RIGHT, HEAT EXCHANGER COOLED

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5060-5000	6V53 N ENGINE, STARTER ON RIGHT, (DISTRIBUTOR EXCHANGE UNIT)
5062-3000	6V53 N ENGINE, STARTER ON LEFT, STARBOARD
5062-3200	6V53 4 VALVE HEAD, STARTER ON LEFT, STARBOARD
5062-7000	6V53 N ENGINE, STARTER ON LEFT, PORT
5062-7050	6V53 4-VALVE MARINE PROPULSION PORT UNIT
5062-7200	6V53 4 VALVE HEAD, STARTER ON LEFT, PORT
5062-7300	6V53 4 VALVE HEAD, MARINE PROP TURBO UNIT
5062-7301	6V53 4 VALVE HEAD MARINE PROP. TURBO UNIT
5062-7303	6V53 4 VALVE HEAD, MARINE PROPULSION PORT TURBO UNIT
5063-5000	6V53 4 VALVE HEAD, STARTER ON RIGHT
5063-5001	6V53 4 VALVE HEAD, S & S DIESEL DRIVE MARINE
5063-5002	6V53 4 VALVE HEAD, INDUSTRIAL FAN TO FLYWHEEL
5063-5030	6V53 N ENGINE, STARTER ON RIGHT
5063-5050	6V53 4 VALVE HEAD, BRASIL
5063-5080	6V53 FAN TO FLYWHEEL INDUSTRIAL UNIT
5063-5096	6V53 FAN TO FLYWHEEL INDUSTRIAL, FOR MILITARY APPLICATION
5063-5097	6V53 4 VALVE HEAD, FOR NAPCO SHOET VEHICLE
5063-5098	6V53 4 VALVE HEAD, STARTER ON RIGHT (REPOWER UNIT FOR M3 AND M5 HALF TRACK)
5063-5099	6V53 4 VALVE HEAD, STARTER ON RIGHT
5063-5200	6V53 4 VALVE HEAD, STARTER ON RIGHT
5063-5296	6V53 4 VALVE HEAD, STARTER ON RIGHT
5063-5299	6V53 4 VALVE HEAD, STARTER ON RIGHT
5063-5300	6V53 4 VALVE HEAD, TURBOCHARGED, BRASIL
5063-5390	6V53 4 VALVE HEAD, TURBOCHARGED, FOR SWEDISH S-TANK
5063-5391	6V53 FAN TO FLYWHEEL TURBOCHARGED STANDARD AND STANDARD OPTION EQUIPMENT
5063-5392	6V53 4 VALVE HEAD, TURBOCHARGED, FOR FMC M730 CHAPARRAL RISE VEHICLE
5063-5393	6V53 4 VALVE HEAD, TURBOCHARGED US ARMY VEHICLE M113A3
5063-5394	6V53 4 VALVE HEAD, FOR PERSONNEL CARRIER
5063-5395	6V53 4 VALVE HEAD, TURBOCHARGED, FOR M-551 SHERIDAN TANK
5063-5396	6V53 4 VALVE HEAD, TURBOCHARGED, FOR ARMED INFANTRY FIGHTING VEHICLE
5063-5397	6V53 4 VALVE HEAD, STARTER ON RIGHT (REPOWER UNIT FOR M-24)
5063-5398	6V53 4 VALVE HEAD, STARTER ON RIGHT, TURBOCHARGED
5063-5399	6V53 4 VALVE HEAD, STARTER ON RIGHT
5063-7000	6V53 4 VALVE HEAD, STARTER ON LEFT
5063-7200	6V53 4 VALVE HEAD, STARTER ON LEFT
5064-5200	6V53 4 VALVE HEAD, STARTER ON LEFT
5082-5000	8V53 N ENGINE, STARTER ON RIGHT, PORT OR STARBOARD
5083-5000	8V53 N ENGINE, STARTER ON RIGHT
5083-5399	8V53-4 VALVE HEAD, TURBOCHARGED, U.S. MARINE CORP.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR	2.1000A	40
FUEL PUMP	2.2000	33
FUEL MANIFOLD CONNECTIONS	2.4000	48
MECHANICAL GOVERNOR	2.7000A	594
INJECTOR CONTROLS	2.9000	88
BLOWER THRU 2D-20910	3.4000	68
BLOWER EFF. WITH 2D-20911	3.4000	120
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL COOLER	4.4000A	231
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	285
OIL PAN	4.7000A	109
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	38
WATER OUTLET	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	122

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	42
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 2D-13049	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR	2.1000A	40
FUEL PUMP THRU 2D-31198	2.2000	34
FUEL PUMP EFF. WITH 2D-31199	2.2000	136
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	415
MECHANICAL GOVERNOR	2.7000A	595
INJECTOR CONTROLS	2.9000	94
THROTTLE CONTROLS	2.9000A	504
BLOWER	3.4000	132
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	275
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 2D-11552	4.6000A	285
OIL PAN	4.7000A	604
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP THRU 2D-27074	5.1000	39
FRESH WATER PUMP EFF. WITH 2D-27075	5.1000	146
WATER OUTLET	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 2D-27074	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 2D-27075	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	926
EXHAUST MANIFOLD	6.1000A	416
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
BATTERY CHARGING GENERATOR	7.1000A	1193
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	42
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	54
CRANKSHAFT PULLEY	1.3000C	117
CRANKSHAFT PULLEY BELT	1.3000D	101
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	193
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	37
BALANCE WEIGHT COVER	1.7000A	496
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	36
FUEL INJECTOR	2.1000A	41
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	185
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	405
MECHANICAL GOVERNOR	2.7000A	496
INJECTOR CONTROLS	2.9000	94
BLOWER	3.4000	75
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	174
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	112
OIL FILTER LINES	4.3000A	89
OIL COOLER	4.4000A	260
OIL PAN	4.7000A	128
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	53
WATER OUTLET ELBOW	5.2000A	70
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	118
FAN	5.4000A	305
EXHAUST MANIFOLD	6.1000A	137
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
BATTERY CHARGING GENERATOR	7.1000A	668
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	427

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	44
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	42
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	49
CRANKSHAFT PULLEY	1.3000C	132
CRANKSHAFT PULLEY BELT	1.3000D	95
FLYWHEEL	1.4000A	300
FLYWHEEL HOUSING	1.5000A	175
CONNECTING ROD AND PISTON	1.6000	29
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	36
FUEL INJECTOR	2.1000A	41
FUEL PUMP	2.2000	34
FUEL MANIFOLD CONNECTIONS	2.4000	48
MECHANICAL GOVERNOR	2.7000A	554
INJECTOR CONTROLS	2.9000	94
BLOWER	3.4000	71
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	173
OIL PRESSURE REGULATOR	4.1000C	8
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	60
WATER OUTLET THRU 2D-12822	5.2000A	70
WATER OUTLET EFF. WITH 2D-12823	5.2000A	80
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	171
WATER CONNECTIONS	5.3000B	118
FAN	5.4000A	288
EXHAUST MANIFOLD	6.1000A	131
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
STARTING MOTOR	7.3000A	170

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	44
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	476
FLYWHEEL HOUSING	1.5000A	345
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	66
FUEL INJECTOR	2.1000A	47
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	208
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	611
MECHANICAL GOVERNOR	2.7000A	589
INJECTOR CONTROLS	2.9000	129
AIR INLET HOUSING	3.3000A	138
BLOWER	3.4000	111
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	134
OIL FILTER LINES	4.3000A	131
OIL COOLER	4.4000A	231
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	285
OIL PAN	4.7000A	534
VENTILATING SYSTEM	4.8000A	357
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	85
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	499
EXHAUST MANIFOLD	6.1000A	131
BATTERY CHARGING GENERATOR	7.1000A	816
STARTING MOTOR	7.3000A	213

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	44
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY STD. EQUIP. THRU 2D-13048	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR STD. EQUIP. THRU 2D-14181	2.1000A	40
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	388
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	88
THROTTLE CONTROLS	2.9000A	504
BLOWER THRU 2D-20910	3.4000	68
BLOWER EFF. WITH 2D-20911	3.4000	120
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	351
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	275
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. THRU 2D-11351	4.6000A	107
DIPSTICK	4.6000A	285
OIL PAN	4.7000A	534
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	926
EXHAUST MANIFOLD	6.1000A	416
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
BATTERY CHARGING GENERATOR	7.1000A	1186
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 2D-10349	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR STD. EQUIP. PRIOR TO 2D-13166	2.1000A	40
FUEL PUMP THRU 2D-31198	2.2000	33
FUEL PUMP EFF. WITH 2D-31199	2.2000	127
FUEL FILTER STD. EQUIP. PRIOR TO 2D-12594	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 2D-12594	2.5000A	388
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	88
THROTTLE CONTROLS	2.9000A	504
BLOWER	3.4000	120
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	231
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 2D-11552	4.6000A	107
DIPSTICK	4.6000A	285
OIL PAN	4.7000A	604
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	38
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 2D-3404	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS STD. EQUIP. PRIOR TO 2D-2357	5.3000B	117
FAN	5.4000A	926
EXHAUST MANIFOLD	6.1000A	416
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
BATTERY CHARGING GENERATOR	7.1000A	1186
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	33
AIR BOX DRAINS THRU 2D-5160	1.1000A	32
AIR BOX DRAINS EFF. WITH 2D-5161	1.1000A	44
CYLINDER HEAD	1.2000	30
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	49
CRANKSHAFT PULLEY THRU 2D-868	1.3000C	112
CRANKSHAFT PULLEY EFF. WITH 2D-869 AND THRU 2D-3782	1.3000C	124
CRANKSHAFT PULLEY EFF. WITH 2D-3783	1.3000C	132
CRANKSHAFT PULLEY BELT THRU 2D-6717	1.3000D	95
CRANKSHAFT PULLEY BELT EFF. WITH 2D-6718	1.3000D	102
FLYWHEEL HOUSING	1.5000A	181
CONNECTING ROD AND PISTON	1.6000	29
CAMSHAFT AND GEAR TRAIN THRU 2D-6717	1.7000	37
CAMSHAFT AND GEAR TRAIN EFF. WITH 2D-6718	1.7000	49
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	42
FUEL INJECTOR	2.1000A	41
FUEL PUMP	2.2000	36
FUEL FILTER	2.3000A	161
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	383
MECHANICAL GOVERNOR	2.7000A	452
INJECTOR CONTROLS	2.9000	103
BLOWER THRU 2D-20909	3.4000	64
BLOWER EFF. WITH 2D-20910	3.4000	110
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	173
OIL PRESSURE REGULATOR	4.1000C	8
OIL FILTER	4.2000A	111
OIL FILLER	4.5000A	45
DIPSTICK THRU 2D-3325	4.6000A	114
DIPSTICK EFF. WITH 2D-3326	4.6000A	141
OIL PAN	4.7000A	110
VENTILATING SYSTEM	4.8000A	201
FRESH WATER PUMP THRU 2D-6717	5.1000	40
FRESH WATER PUMP EFF. WITH 2D-6718	5.1000	54
WATER OUTLET ELBOW	5.2000A	69
THERMOSTAT	5.2000B	73
WATER BY-PASS TUBE	5.2000C	133
WATER CONNECTIONS	5.3000B	118
FAN THRU 2D-6717	5.4000A	288
FAN EFF. WITH 2D-6718	5.4000A	308
EXHAUST MANIFOLD	6.1000A	121
STARTING MOTOR THRU 2D-303	7.3000A	178
STARTING MOTOR EFF. WITH 2D-304 AND THRU 2D-14551	7.3000A	190
STARTING MOTOR EFF. WITH 2D-14552. STD. EQUIP. PRIOR TO 2D-21332	7.3000A	249

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	28
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR	2.1000A	40
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	960
MECHANICAL GOVERNOR	2.7000A	594
INJECTOR CONTROLS	2.9000	109
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	138
BLOWER THRU 2D-20909	3.4000	59
BLOWER EFF. WITH 2D-20910	3.4000	111
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	231
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	285
OIL PAN	4.7000A	109
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	275
EXHAUST MANIFOLD	6.1000A	131
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	42
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL (10" CLUTCH)	1.4000A	327
FLYWHEEL (DELCO POWER GENERATOR)	1.4000A	300
FLYWHEEL (TWIN DISC C111 CLUTCH OR ROCKFORD PTO 31120)	1.4000A	325
FLYWHEEL (LIPE ROLLWAY 13 ML CLUTCH)	1.4000A	326
FLYWHEEL (ROCKFORD 14" TT CLUTCH)	1.4000A	328
FLYWHEEL (10" CLUTCH)	1.4000A	305
FLYWHEEL (ROCKFORD 11" TT CLUTCH)	1.4000A	324
FLYWHEEL HOUSING	1.5000A	205
FLYWHEEL HOUSING	1.5000A	207
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
ACCESSORY DRIVE (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	1.7000B	60
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER (WITH OIL FILLER)	1.8000A	37
ROCKER COVER	1.8000A	36
FUEL INJECTOR	2.1000A	40
FUEL INJECTOR	2.1000A	47
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	415
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	589
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE WITH BOOSTER SPRING)	2.7000A	595
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	600
HYDRAULIC GOVERNOR	2.8000A	555
INJECTOR CONTROLS	2.9000	94
THROTTLE CONTROLS (LIMITING SPEED)	2.9000A	496
THROTTLE CONTROLS (VARIABLE SPEED, OPEN LINKAGE)	2.9000A	511
THROTTLE CONTROLS (VARIABLE SPEED, CLOSED LINKAGE)	2.9000A	506
THROTTLE CONTROLS (HYDRAULIC GOVERNOR, FRICTION CONTROLS)	2.9000A	498
THROTTLE CONTROLS (HYDRAULIC GOVERNOR, VERNIER CONTROLS)	2.9000A	569
AIR CLEANER (LIGHT DUTY, DIRECT MOUNTED)	3.1000A	225
AIR CLEANER (HEAVY DUTY, REAR MOUNTED)	3.1000A	217
AIR CLEANER (HEAVY DUTY, WITH COMPLETE HOOD, REAR MOUNTED)	3.1000A	226
BLOWER (WITH MANUAL SHUTDOWN)	3.4000	71
BLOWER (WITH MECHANICAL SHUTDOWN)	3.4000	69
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 2D-17153	4.2000A	109
OIL FILTER EFFECTIVE WITH 2D-17154	4.2000A	226
OIL COOLER	4.4000A	275
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON BREATHER)	4.5000A	54
DIPSTICK PRIOR TO 2D-13991	4.6000A	184
DIPSTICK EFFECTIVE WITH 2D-13991	4.6000A	285
OIL PAN	4.7000A	109
VENTILATING SYSTEM	4.8000A	233
VENTILATING SYSTEM (WITH OIL FILLER)	4.8000A	235
FRESH WATER PUMP	5.1000	39
WATER OUTLET ELBOW	5.2000A	80
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
RADIATOR	5.3000A	78
WATER CONNECTIONS	5.3000B	166
FAN (SUCTION 17", 6 BLADE, 1.25:1 RATIO)	5.4000A	292
FAN (BLOWER 17", 6 BLADE, 1.25:1 RATIO)	5.4000A	279
EXHAUST MANIFOLD (WITH MANUAL OR NO SHUTDOWN)	6.1000A	131

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MANIFOLD (WITH MECHANICAL SHUTDOWN)	6.1000A	137
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
EXHAUST MUFFLER (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	6.2000A	174
BATTERY CHARGING GENERATOR	7.1000A	695
STARTING MOTOR	7.3000A	188
INSTRUMENT PANEL (TACHOMETER ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	390
INSTRUMENT PANEL (MOUNTED OPPOSITE BLOWER SIDE)	7.4000A	411
INSTRUMENT PANEL (MOUNTED ON BLOWER SIDE)	7.4000A	412
TACHOMETER DRIVE (WITH OIL SEAL, DRIVENFROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	199
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	201
TACHOMETER DRIVE (DRIVEN FROM GOVERNOR SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	181
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	189
MECHANICAL AUTOMATIC SHUTDOWN (WITHOUT OVERSPEED GOVERNOR) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	369
MECHANICAL AUTOMATIC SHUTDOWN (WITH OVERSPEED GOVERNOR) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	370
MECHANICAL AUTOMATIC SHUTDOWN (WITH HYDRAULIC ENGINE GOVERNOR AND OVERSPEED GOVERNOR) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	388
WIRING HARNESS (INSTRUMENTS ON BLOWER SIDE)	7.7000A	289
WIRING HARNESS (INSTRUMENTS ON SIDE OPPOSITE BLOWER)	7.7000A	290
POWER TAKE-OFF	8.1000A	180
ENGINE HOOD (COMPLETE)	10.1000A	108
ENGINE MOUNTS (FLYWHEEL HOUSING)	11.1000A	357
ENGINE MOUNTS (FLYWHEEL HOUSING)	11.1000A	358
ENGINE MOUNTS (FLYWHEEL HOUSING)	11.1000A	359
ENGINE BASE (WITH FLYWHEEL HOUSING) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	427
ENGINE BASE (WITH FLYWHEEL HOUSING) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	433
HYDRAULIC PUMP (MOUNTED ON CAMSHAFT, 14 GPM AT 2000 RPM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.5000A	30
HYDRAULIC PUMP (MOUNTED ON BALANCE SHAFT, 14 GPM AT 2000 RPM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.5000A	29
COLD WEATHER STARTING AID (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000C	3

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	333
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR	2.1000A	40
FUEL PUMP THRU 2D-31198	2.2000	33
FUEL PUMP EFF. WITH 2D-31199	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	506
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	88
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	210
BLOWER	3.4000	120
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 2D-17152	4.2000A	109
OIL FILTER EFF. WITH 2D-17154	4.2000A	226
OIL COOLER	4.4000A	231
OIL FILLER	4.5000A	18
DIPSTICK THRU 2D-11551	4.6000A	107
DIPSTICK EFF. WITH 2D-11552	4.6000A	184
DIPSTICK THRU 2D-13990 AND EFF. WITH 2D-13991	4.6000A	285
OIL PAN THRU 2D-24510	4.7000A	109
OIL PAN EFF. WITH 2D-24511 AND THRU 2D-31765	4.7000A	534
OIL PAN EFF. WITH 2D-31766	4.7000A	604
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP STD. EQUIP. PRIOR TO 2D-27625	5.1000	38
WATER OUTLET MANIFOLD	5.2000A	80
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 2D-27625	5.2000C	130
RADIATOR STD. EQUIP. PRIOR TO 2D-13074	5.3000A	57
RADIATOR	5.3000A	116
WATER CONNECTIONS	5.3000B	144
FAN	5.4000A	929
EXHAUST MANIFOLD	6.1000A	416
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
BATTERY CHARGING GENERATOR	7.1000A	1202
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	411
WIRING HARNESS	7.7000A	289
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	44
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	43
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 2D-11552	1.3000C	111
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR	2.1000A	40
FUEL PUMP THRU 2D-31198	2.2000	33
FUEL PUMP EFF. WITH 2D-31199	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	496
MECHANICAL GOVERNOR VARIABLE SPEED	2.7000A	596
INJECTOR CONTROLS	2.9000	109
THROTTLE CONTROLS	2.9000A	504
AIR CLEANER	3.1000A	241
AIR INLET HOUSING	3.3000A	190
BLOWER THRU 2D-20910	3.4000	59
BLOWER EFF. WITH 2D-20911	3.4000	111
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	275
OIL FILLER	4.5000A	18
DIPSTICK THRU 2D-11552	4.6000A	107
DIPSTICK EFF. WITH 2D-11553 AND THRU 2D-13991	4.6000A	184
DIPSTICK EFF. WITH 2D-13992	4.6000A	285
OIL PAN THRU 2D-24510	4.7000A	109
OIL PAN EFF. WITH 2D-24511 AND THRU 2D-31765	4.7000A	534
OIL PAN EFF. WITH 2D-31766	4.7000A	604
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	146
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	321
WATER CONNECTIONS	5.3000B	207
HEAT EXCHANGER	5.5000A	304
EXHAUST MANIFOLD THRU 2D-27512	6.1000A	136
EXHAUST MANIFOLD EFF. WITH 2D-27513	6.1000A	401
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR 12V., 25 AMP., POS. GRD.	7.1000A	1197
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	508
WIRING HARNESS	7.7000A	304
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	353

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	300
FLYWHEEL HOUSING	1.5000A	345
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR	2.1000A	47
FUEL PUMP THRU 2D-31198	2.2000	33
FUEL PUMP EFF. WITH 2D-31199	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	388
HYDRAULIC GOVERNOR	2.8000A	998
INJECTOR CONTROLS	2.9000	88
THROTTLE CONTROLS	2.9000A	572
AIR CLEANER	3.1000A	210
BLOWER	3.4000	121
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 2D-17671	4.2000A	162
OIL FILTER EFF. WITH 2D-17672	4.2000A	258
OIL COOLER	4.4000A	231
OIL FILLER	4.5000A	18
DIPSTICK THRU 2D-13990	4.6000A	184
DIPSTICK EFF. WITH 2D-13991	4.6000A	285
OIL PAN THRU 2D-24510	4.7000A	109
OIL PAN EFF. WITH 2D-24511	4.7000A	534
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 2D-13078	4.8000A	270
FRESH WATER PUMP	5.1000	38
WATER OUTLET MANIFOLD	5.2000A	80
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 2D-13078	5.2000C	318
RADIATOR	5.3000A	116
WATER CONNECTIONS	5.3000B	144
FAN	5.4000A	927
EXHAUST MANIFOLD	6.1000A	416
EXHAUST MUFFLER CONNECTIONS	6.2000A	173
BATTERY CHARGING GENERATOR	7.1000A	1202
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	412
AUTOMATIC SHUTDOWN	7.4000C	487
POWER GENERATOR	7.5000A	197
WIRING HARNESS	7.7000A	290
ENGINE MOUNTS	11.1000A	358
ENGINE BASE	11.1000A	429

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	28
AIR BOX DRAINS	1.1000A	44
CYLINDER HEAD	1.2000	21
ENGINE LIFTER BRACKET	1.2000A	43
CRANKSHAFT	1.3000	19
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	300
FLYWHEEL HOUSING	1.5000A	344
CONNECTING ROD AND PISTON	1.6000	25
CAMSHAFT AND GEAR TRAIN	1.7000	30
VALVE OPERATING MECHANISM	1.8000	28
ROCKER COVER	1.8000A	37
FUEL INJECTOR	2.1000A	47
FUEL PUMP THRU 2D-31198	2.2000	33
FUEL PUMP EFF. WITH 2D-31199	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	496
HYDRAULIC GOVERNOR	2.8000A	1004
INJECTOR CONTROLS	2.9000	109
THROTTLE CONTROLS	2.9000A	572
AIR CLEANER	3.1000A	241
AIR INLET HOUSING	3.3000A	198
BLOWER THRU 2D-20910	3.4000	59
BLOWER EFF. WITH 2D-20911	3.4000	111
OIL PUMP	4.1000A	53
OIL DISTRIBUTION SYSTEM	4.1000B	170
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 2D-17671	4.2000A	162
OIL FILTER EFF. WITH 2D-17672	4.2000A	258
OIL COOLER	4.4000A	275
OIL FILLER	4.5000A	18
DIPSTICK THRU 2D-13990	4.6000A	184
DIPSTICK EFF. WITH 2D-13991	4.6000A	285
OIL PAN THRU 2D-24510	4.7000A	109
OIL PAN EFF. WITH 2D-24511 AND THRU 2D-31765	4.7000A	534
OIL PAN EFF. WITH 2D-31766	4.7000A	604
VENTILATING SYSTEM	4.8000A	269
FRESH WATER PUMP THRU 2D-25497	5.1000	39
FRESH WATER PUMP EFF. WITH 2D-25498	5.1000	146
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 2D-25497	5.2000C	150
WATER BY-PASS TUBE EFF. WITH 2D-25498	5.2000C	321
WATER CONNECTIONS THRU 2D-14462	5.3000B	140
WATER CONNECTIONS EFF. WITH 2D-14463	5.3000B	207
HEAT EXCHANGER	5.5000A	304
EXHAUST MANIFOLD THRU 2D-27512	6.1000A	136
EXHAUST MANIFOLD EFF. WITH 2D-27513	6.1000A	401
EXHAUST MUFFLER CONNECTIONS	6.2000A	202
BATTERY CHARGING GENERATOR 12V., 25 AMP.	7.1000A	1197
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	508
MECHANICAL SHUTDOWN	7.4000C	410
POWER GENERATOR	7.5000A	197
WIRING HARNESS	7.7000A	304
ENGINE MOUNTS	11.1000A	352
ENGINE BASE	11.1000A	429

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	NONE
FLYWHEEL	1.4000A	NONE
FLYWHEEL HOUSING	1.5000A	199
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	NONE
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	NONE
MECHANICAL GOVERNOR	2.7000A	590
INJECTOR CONTROLS	2.9000	89
THROTTLE CONTROLS	2.9000A	NONE
AIR INLET HOUSING	3.3000A	NONE
BLOWER	3.4000	60
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	195
OIL PRESSURE REGULATOR	4.1000C	9
OIL COOLER	4.4000A	276
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	275
OIL PAN	4.7000A	225
VENTILATING SYSTEM	4.8000A	246
FRESH WATER PUMP	5.1000	70
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	182
WATER CONNECTIONS	5.3000B	122

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	56
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	46
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	490
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	99
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	61
BLOWER EFF. WITH 3D-34008	3.4000	113
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	220
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	315
OIL FILLER	4.5000A	45
DIPSTICK THRU 3D-29020	4.6000A	186
DIPSTICK EFF. WITH 3D-29021	4.6000A	549
OIL PAN	4.7000A	293
VENTILATING SYSTEM	4.8000A	355
FRESH WATER PUMP	5.1000	62
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	206
WATER CONNECTIONS	5.3000B	210
EXHAUST MANIFOLD	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	810
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	541
ENGINE MOUNTS	11.1000A	409

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	56
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	46
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	490
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	602
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	597
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	589
INJECTOR CONTROL TUBE	2.9000	99
THROTTLE CONTROLS (VARIABLE SPEED, CLOSED LINKAGE GOVERNOR) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	2.9000A	483
AIR SILENCER (MOUNTED ON AIR INLET HOUSING)	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER (THRU 3D-34007)	3.4000	61
BLOWER (EFFECTIVE WITH 3D-34008)	3.4000	113
OIL PUMP	4.1000A	49
OIL DISTRIBUTION	4.1000B	220
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	109
OIL COOLER	4.4000A	315
OIL FILLER	4.5000A	45
DIPSTICK	4.6000A	186
OIL PAN	4.7000A	293
VENTILATING SYSTEM	4.8000A	355
FRESH WATER PUMP	5.1000	62
THERMOSTAT (DIRECT COOLING)	5.2000B	123
THERMOSTAT (WITH HEAT EXCHANGER OR KEEL COOLING)	5.2000B	105
WATER BY-PASS TUBE (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.2000C	186
WATER BY-PASS TUBE (DIRECT COOLING)	5.2000C	206
WATER CONNECTIONS (HEAT EXCHANGER COOLING)	5.3000B	204
WATER CONNECTIONS (DIRECT COOLING)	5.3000B	210
HEAT EXCHANGER (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	320
RAW WATER PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.6000A	38
WATER FILTER (HEAT EXCHANGER COOLING OR KEEL COOLING, 15 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	21
EXHAUST MANIFOLD	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN)	7.1000A	810
BATTERY CHARGING GENERATOR (12V., 60 AMP. NEGATIVE RETURN)	7.1000A	1174
STARTING MOTOR	7.3000A	180
INSTRUMENT PANEL (SINGLE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ONOPTION PLATE.)	7.4000A	220
INSTRUMENT PANEL (DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	215
TACHOMETER DRIVE CABLE (5' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	11
TACHOMETER DRIVE CABLE (10' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	47
TACHOMETER DRIVE CABLE (15' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	46
TACHOMETER DRIVE (SINGLE OUTLET) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	310
TACHOMETER DRIVE (DOUBLE OUTLET) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	306
ALARM SYSTEM (WITHOUT WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	354

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
HYDRAULIC MARINE GEAR (DIRECT DRIVE)	9.1000A	541
HYDRAULIC MARINE GEAR (1.5:1 REDUCTION)	9.1000A	543
HYDRAULIC MARINE GEAR (2:1 REDUCTION)	9.1000A	545
HYDRAULIC MARINE GEAR (2.5:1 REDUCTION)	9.1000A	681
ENGINE MOUNTING	11.1000A	409
ENGINE MOUNTING (RESILIENT TYPE)	11.1000A	489
BILGE PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.2000A	22

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-108417	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-116289	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-116290	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	70
FUEL INJECTOR N50	2.1000A	74
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 3D-33114	2.5000A	433
FUEL LINES EFF. WITH 3D-33115	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-152410	2.9000	100
INJECTOR CONTROLS EFF. WITH 3D-152411	2.9000	281
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	602
BLOWER THRU 3D-34007	3.4000	61
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	113
BLOWER EFF. WITH 3D-170683	3.4000	315
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-16657	4.2000A	155
OIL FILTER EFF. WITH 3D-16658	4.2000A	220
OIL COOLER (ENGINE)	4.4000A	238
OIL COOLER (MARINE GEAR)	4.4000A	269
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	319
FRESH WATER PUMP	5.1000	148
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	338
WATER CONNECTIONS	5.3000B	200
EXHAUST MANIFOLD THRU 3D-66868	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 3D-66869	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	2057
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	950
ENGINE MOUNTS	11.1000A	473

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	191
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	73
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	325
FLYWHEEL HOUSING	1.5000A	ENG
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	220
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	70
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	127
FUEL FILTER	2.3000A	693
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1526
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	281
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	602
BLOWER	3.4000	305
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	364
OIL COOLER (ENGINE)	4.4000A	238
OIL COOLER (MARINE GEAR)	4.4000A	269
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	319
FRESH WATER PUMP	5.1000	148
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	319
WATER CONNECTIONS	5.3000B	196
EXHAUST MANIFOLD	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	2022
STARTING MOTOR	7.3000A	308
HYDRAULIC MARINE GEAR	9.1000A	950
ENGINE MOUNTING	11.1000A	473

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU SERIAL NO. 3D-9115	1.1000A	32
AIR BOX DRAINS EFFECTIVE WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET THRU SERIAL NO. 3D-2275	1.2000A	40
ENGINE LIFTER BRACKET EFFECTIVE WITH 3D-2276	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER (OPTIONAL EQUIPMENT EFF. WITH 3D-5735, STANDARD EQUIPMENT NOT SHOWN ON OPTION PLATE PRIOR TO THIS SERIAL NUMBER.)	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER (BREATHER EXTENSION)	1.8000A	71
ROCKER COVER (WITH FILLER AND BREATHER EXTENSION)	1.8000A	70
FUEL INJECTOR THRU SERIAL NO. 3D-730	2.1000A	47
FUEL INJECTOR EFFECTIVE WITH 3D-731	2.1000A	51
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU SERIAL NO. 3D-667	2.5000A	390
FUEL LINES EFFECTIVE WITH 3D-668	2.5000A	433
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	599
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	594
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	588
INJECTOR CONTROL TUBE	2.9000	100
THROTTLE CONTROLS (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	2.9000	476
AIR CLEANER (HEAVY DUTY)	3.1000A	199
AIR SILENCER (MOUNTED ON AIR INLET HOUSING)	3.2000A	28
AIR INLET HOUSING (FOR AIR CLEANER)	3.3000A	140
AIR INLET HOUSING (FOR AIR SILENCER)	3.3000A	232
BLOWER THRU 3D-34007	3.4000	61
BLOWER EFFECTIVE WITH 3D-34008	3.4000	113
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM (REAR SUMP 17 DEG.)	4.1000B	208
OIL DISTRIBUTION SYSTEM (FRONT SUMP 10 DEG.)	4.1000B	209
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (REMOTE MOUNTED) THRU SERIAL NO. 3D-667	4.2000A	115
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR) EFFECTIVE WITH 3D-668 AND THRU SERIAL NO. 3D-16657	4.2000A	155
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR) EFFECTIVE WITH 3D-16658	4.2000A	220
OIL FILTER LINES (WITH REMOTE MOUNTED FILTER)	4.3000A	78
OIL COOLER (ENGINE OIL)	4.4000A	238
OIL COOLER (MARINE GEAR DIRECT DRIVE)	4.4000A	269
OIL COOLER (MARINE GEAR REDUCTION DRIVE)	4.4000A	254
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON FLYWHEEL HOUSING)	4.5000A	51
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	124
VENTILATING SYSTEM	4.8000A	319
FRESH WATER PUMP (DIRECT COOLING)	5.1000	45
FRESH WATER PUMP (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.1000	44
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE (DIRECT COOLING)	5.2000C	147
WATER BY-PASS TUBE (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.2000C	139
WATER CONNECTIONS (DIRECT COOLING)	5.3000B	200
WATER CONNECTIONS (WITH HEAT EXCHANGER COOLING)	5.3000B	196
WATER CONNECTIONS (KEEL COOLING)	5.3000B	203
HEAT EXCHANGER COOLING (WITH AIR SILENCER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	291
HEAT EXCHANGER COOLING (WITH AIR CLEANER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	318
KEEL COOLING (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	294
RAW WATER PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.6000A	38

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER FILTER (HEAT EXCHANGER COOLING OR KEEL COOLING, 15 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	12
WATER FILTER (KEEL COOLING, 30 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	17
EXHAUST MANIFOLD (WATER COOLED)	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN) (DIRECT COOLING)	7.1000A	881
BATTERY CHARGING GENERATOR (12V., 25 AMP. POSITIVE RETURN) (DIRECT COOLING)	7.1000A	922
BATTERY CHARGING GENERATOR (12V., 25 AMP. POSITIVE RETURN) (WITH HEAT EXCHANGER COOLING)	7.1000A	955
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN) (WITH HEAT EXCHANGER COOLING)	7.1000A	956
BATTERY CHARGING GENERATOR (12V., 60 AMP. NEGATIVE RETURN) (WITH HEAT EXCHANGE COOLING)	7.1000A	1140
STARTING MOTOR (12V.)	7.3000A	180
INSTRUMENT PANEL (SINGLE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	220
INSTRUMENT PANEL (DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	215
TACHOMETER DRIVE (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	210
TACHOMETER DRIVE (CABLE, 5' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	11
TACHOMETER DRIVE (CABLE, 10' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	47
TACHOMETER DRIVE (CABLE, 15' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	46
ALARM SYSTEM (WITH NO WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	354
ALARM SYSTEM (WITH WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	355
POWER TAKE-OFF (FRONT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	181
HYDRAULIC MARINE GEAR (DIRECT DRIVE)	9.1000A	550
HYDRAULIC MARINE GEAR (1.5:1 REDUCTION)	9.1000A	552
HYDRAULIC MARINE GEAR (2:1 REDUCTION)	9.1000A	554
HYDRAULIC MARINE GEAR (2.5:1 REDUCTION)	9.1000A	662
HYDRAULIC MARINE GEAR (3:1 REDUCTION)	9.1000A	682
ENGINE MOUNTING (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	318
ENGINE MOUNTING (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	421
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	473
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	414
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	483
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	319
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON FLYWHEEL HOUSING)	11.1000A	478
ENGINE MOUNTING (RESILIENT TYPE, NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	499
BILGE PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.2000A	22
HYDRAULIC STARTER (HEAT EXCHANGER COOLING OR KEEL COOLING) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000D	101
HYDRAULIC STARTER ACCESSORIES (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000E	28

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	32
AIR BOX DRAINS THRU SERIAL NO. 3D-9115	1.1000A	32
AIR BOX DRAINS EFFECTIVE WITH 3D-9116	1.1000A	68
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET THRU SERIAL NO. 3D-2047	1.2000A	40
ENGINE LIFTER BRACKET EFFECTIVE WITH 3D-2048	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER (OPTIONAL EQUIP. EFF. WITH 3D-5741, STANDARD EQUIP. NOT SHOWN ON OPTION PLATE PRIOR TO THIS SERIAL NUMBER.)	1.3000A	48
CRANKSHAFT PULLEY (NO FRONT PTO)	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER (BREATHER EXTENSION)	1.8000A	71
ROCKER COVER (WITH FILLER AND BREATHER EXTENSION)	1.8000A	70
FUEL INJECTOR	2.1000A	52
FUEL INJECTOR	2.1000A	51
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU SERIAL NO. 3D-667	2.5000A	390
FUEL LINES EFFECTIVE WITH 3D-668	2.5000A	433
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	601
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	596
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	588
INJECTOR CONTROL TUBE	2.9000	100
THROTTLE CONTROLS (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	2.9000A	476
AIR CLEANER	3.1000A	199
AIR SILENCER (MOUNTED ON AIR INLET HOUSING)	3.2000A	28
AIR INLET HOUSING (FOR AIR CLEANER)	3.3000A	140
AIR INLET HOUSING (FOR AIR SILENCER)	3.3000A	232
BLOWER THRU 3D-34007	3.4000	61
BLOWER EFFECTIVE WITH 3D-34008	3.4000	113
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM (REAR SUMP 17 DEG.)	4.1000B	208
OIL DISTRIBUTION SYSTEM (FRONT SUMP 10 DEG.)	4.1000B	209
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (REMOTE MOUNTED, THRU SERIAL NO. 3D-667)	4.2000A	115
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR) EFFECTIVE WITH 3D-668 AND THRU SERIAL NO. 3D-16657	4.2000A	155
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR) EFFECTIVE WITH 3D-16658	4.2000A	220
OIL FILTER LINES (WITH REMOTE MOUNTED FILTER) THRU SERIAL NO. 3D-667	4.3000A	78
OIL COOLER (MARINE GEAR DIRECT DRIVE)	4.4000A	269
OIL COOLER (MARINE GEAR REDUCTION DRIVE)	4.4000A	254
OIL COOLER (ENGINE OIL)	4.4000A	238
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON FLYWHEEL HOUSING)	4.5000A	51
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	124
VENTILATING SYSTEM (WITH AIR SILENCER MOUNTED TO AIR INLET HOUSING)	4.8000A	319
FRESH WATER PUMP (DIRECT COOLING)	5.1000	45
FRESH WATER PUMP (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.1000	44
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.2000C	139
WATER BY-PASS TUBE (DIRECT COOLING)	5.2000C	147
WATER CONNECTIONS (DIRECT COOLING)	5.3000B	200
WATER CONNECTIONS (HEAT EXCHANGER COOLING)	5.3000B	196
WATER CONNECTIONS (KEEL COOLING)	5.3000B	203
HEAT EXCHANGER COOLING (WITH AIR SILENCER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	291
HEAT EXCHANGER COOLING (WITH AIR CLEANER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	318
KEEL COOLING (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	294

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
RAW WATER PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.6000A	38
WATER FILTER (HEAT EXCHANGER COOLING OR KEEL COOLING, 15 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	12
WATER FILTER (KEEL COOLING, 30 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	17
EXHAUST MANIFOLD (WATER COOLED)	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR (12V., 25 AMP., NEGATIVE RETURN, DIRECT COOLING)	7.1000A	881
BATTERY CHARGING GENERATOR (12V., 25 AMP., POSITIVE RETURN, DIRECT COOLING)	7.1000A	922
BATTERY CHARGING GENERATOR (12V., 25 AMP., POSITIVE RETURN, WITH HEAT EXCHANGER COOLING)	7.1000A	955
BATTERY CHARGING GENERATOR (12V., 25 AMP., NEGATIVE RETURN, WITH HEAT EXCHANGER COOLING)	7.1000A	956
BATTERY CHARGING GENERATOR (12V., 60 AMP., NEGATIVE RETURN, WITH HEAT EXCHANGER COOLING)	7.1000A	1140
STARTING MOTOR	7.3000A	180
INSTRUMENT PANEL (SINGLE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	220
INSTRUMENT PANEL (DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	215
TACHOMETER DRIVE (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	210
TACHOMETER DRIVE (CABLE, 5' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	11
TACHOMETER DRIVE (CABLE, 10' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	47
TACHOMETER DRIVE (CABLE, 15' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	46
ALARM SYSTEM (WITH NO WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	354
ALARM SYSTEM (WITH WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	355
POWER TAKE-OFF (FRONT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	181
HYDRAULIC MARINE GEAR (DIRECT DRIVE)	9.1000A	550
HYDRAULIC MARINE GEAR (1.5:1 REDUCTION)	9.1000A	552
HYDRAULIC MARINE GEAR (2:1 REDUCTION)	9.1000A	554
HYDRAULIC MARINE GEAR (2.5:1 REDUCTION)	9.1000A	662
HYDRAULIC MARINE GEAR (3:1 REDUCTION)	9.1000A	682
ENGINE MOUNTING (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	318
ENGINE MOUNTING (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	421
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	319
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	414
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	473
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	483
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON FLYWHEEL HOUSING)	11.1000A	478
ENGINE MOUNTING (RESILIENT TYPE, NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	499
BILGE PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.2000A	22
HYDRAULIC STARTER (HEAT EXCHANGER OR KEEL COOLING) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000D	101
HYDRAULIC STARTER ACCESSORIES (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000E	28

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-108445	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-116289	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-116290	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495	2.2000	136
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 3D-33113	2.5000A	433
FUEL LINES EFF. WITH 3D-33114	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	99
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-687	4.2000A	115
OIL FILTER EFF. WITH 3D-688 AND THRU 3D-17557	4.2000A	156
OIL FILTER EFF. WITH 3D-17558	4.2000A	239
OIL FILTER LINES	4.3000A	79
OIL COOLER	4.4000A	270
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	320
FRESH WATER PUMP	5.1000	149
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	381
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD THRU 3D-66868	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 3D-66869	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	1771
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	144
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	70
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	325
FLYWHEEL HOUSING	1.5000A	345
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	220
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	136
FUEL FILTER	2.3000A	693
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1526
MECHANICAL GOVERNOR	2.7000A	1706
INJECTOR CONTROLS	2.9000	278
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	602
BLOWER	3.4000	278
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	359
OIL COOLER (MARINE GEAR)	4.4000A	270
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	320
FRESH WATER PUMP	5.1000	149
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	319
WATER CONNECTIONS	5.3000B	199
EXHAUST MANIFOLD	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	2020
STARTING MOTOR	7.3000A	312
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET THRU 3D-2047	1.2000A	40
ENGINE LIFTER BRACKET EFF. WITH 3D-2048	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-5876	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER (WITH FILLER AND BREATHER EXTENSION)	1.8000A	61
ROCKER COVER (BREATHER EXTENSION)	1.8000A	72
FUEL INJECTOR THRU 3D-730	2.1000A	47
FUEL INJECTOR EFF. WITH 3D-731	2.1000A	51
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 3D-667	2.5000A	390
FUEL LINES EFF WITH 3D-668	2.5000A	433
MECHANICAL GOVERNOR (VAR. SPD. CLOSED LINKAGE)	2.7000A	469
MECHANICAL GOVERNOR (VAR. SPD. OPEN LINKAGE)	2.7000A	505
MECHANICAL GOVERNOR (LIM. SPD.)	2.7000A	589
INJECTOR CONTROL TUBE	2.9000	99
THROTTLE CONTROL (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	2.9000A	483
AIR CLEANER (HEAVY DUTY)	3.1000A	199
AIR SILENCER (MTD. ON AIR INLET HOUSING	3.2000A	28
AIR INLET HOUSING (FOR AIR CLEANER)	3.3000A	139
AIR INLET HOUSING (FOR AIR SILENCER)	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM (FRONT SUMP 10 DEG.)	4.1000B	209
OIL DISTRIBUTION SYSTEM (REAR SUMP 17 DEG.)	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (REMOTE MTD.) THRU 3D-687	4.2000A	115
OIL FILTER (MTD. ON OIL COOLER ADAPTOR) EFF WITH 3D-668 AND THRU-3D-17557	4.2000A	156
OIL FILTER (MTD. ON OIL COOLER ADAPTOR) EFF. WITH 3D-17558	4.2000A	239
OIL FILTER LINES (WITH REMOTE MOUNTED FILTER) THRU 3D-687	4.3000A	79
OIL COOLER (MARINE GEAR DIRECT DRIVE)	4.4000A	270
OIL COOLER (MARINE GEAR RED. DRIVE)	4.4000A	271
OIL COOLER (ENGINE OIL)	4.4000A	230
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON FLYWHEEL HOUSING)	4.5000A	51
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	124
VENTILATING SYSTEM (WITH AIR SILENCER MOUNTED ON AIR INLET HOUSING)	4.8000A	320
FRESH WATER PUMP (DIRECT COOLING)	5.1000	46
FRESH WATER PUMP (HEAT EXCHANGER OR KEEL COOLING)	5.1000	47
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE (DIRECT COOLING)	5.2000C	147
WATER BY-PASS TUBE (HEAT EXCHANGER COOLING OR KEEL COOLING)	5.2000C	202
WATER CONNECTIONS (DIRECT COOLING)	5.3000B	201
WATER CONNECTIONS (HEAT EXCHANGER COOLING)	5.3000B	199
WATER CONNECTIONS (KEEL COOLING)	5.3000B	139
HEAT EXCHANGER COOLING (WITH AIR SILENCER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	299
HEAT EXCHANGER COOLING (WITH AIR CLEANER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	368
KEEL COOLING (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	294
RAW WATER PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.6000A	38
WATER FILTER (HEAT EXCHANGER COOLING OR KEEL COOLING, 15 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	12

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER FILTER (KEEL COOLING, 30 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	17
EXHAUST MANIFOLD (WATER COOLED)	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN) (DIRECT COOLING)	7.1000A	1106
BATTERY CHARGING GENERATOR (12V., 25 AMP. POSITIVE RETURN) (DIRECT COOLING)	7.1000A	1114
BATTERY CHARGING GENERATOR (12V., 25 AMP. POSITIVE RETURN) (WITH HEAT EXCHANGER COOLING)	7.1000A	957
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN) (WITH HEAT EXCHANGER COOLING)	7.1000A	958
BATTERY CHARGING GENERATOR (12V., 60 AMP. NEGATIVE RETURN) (WITH HEAT EXCHANGER COOLING)	7.1000A	1142
STARTING MOTOR	7.3000A	255
INSTRUMENT PANEL (SINGLE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	220
INSTRUMENT PANEL (DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	215
TACHOMETER DRIVE (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	292
TACHOMETER DRIVE (CABLE, 5' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000 B	11
TACHOMETER DRIVE (CABLE, 10' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.40 00B	47
TACHOMETER DRIVE (CABLE 15' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000 B	46
ALARM SYSTEM (WITH WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000 C	355
ALARM SYSTEM (WITH NO WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.40 00C	354
POWER TAKE-OFF (FRONT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	181
HYDRAULIC MARINE GEAR (DIRECT DRIVE)	9.1000A	551
HYDRAULIC MARINE GEAR (1.5:1 REDUCTION)	9.1000A	553
HYDRAULIC MARINE GEAR (2:1 REDUCTION)	9.1000A	555
HYDRAULIC MARINE GEAR (2.5:1 REDUCTION)	9.1000A	663
HYDRAULIC MARINE GEAR (3:1 REDUCTION)	9.1000A	674
ENGINE MOUNTS (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	318
ENGINE MOUNTS (WITH FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.0000A	421
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	319
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	414
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	473
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	483
ENGINE MOUNTING (RESILIENT TYPE, NO FRONT PTO, REAR MOUNTS ON MARINE GEAR)	11.1000A	499
ENGINE MOUNTING (NO FRONT PTO, REAR MOUNTS ON FLYWHEEL HOUSING)	11.1000A	478
BILGE PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	12.2000A	22
HYDRAULIC STARTER (WITH HEAT EXCHANGER COOLING) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000D	103
HYDRAULIC STARTER ACCESSORIES (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000E	28

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495	2.2000	136
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 3D-33113	2.5000A	433
FUEL LINES EFF. WITH 3D-33114	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	99
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	208
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-687	4.2000A	115
OIL FILTER EFF. WITH 3D-688 AND THRU 3D-17557	4.2000A	156
OIL FILTER EFF. WITH 3D-17558	4.2000A	239
OIL FILTER LINES	4.3000A	79
OIL COOLER	4.4000A	270
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	284
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	320
FRESH WATER PUMP	5.1000	149
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	338
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD THRU 3D-66868	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 3D-66869	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	1106
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	185
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	360
MECHANICAL GOVERNOR	2.7000A	588
INJECTOR CONTROLS	2.9000	121
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	350
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	226
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	56
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	51
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	47
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	100
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	221
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	316
OIL FILLER	4.5000A	45
DIPSTICK THRU 3D-34007	4.6000A	186
DIPSTICK EFF. WITH 3D-34008	4.6000A	549
OIL PAN	4.7000A	294
VENTILATING SYSTEM	4.8000A	355
FRESH WATER PUMP	5.1000	61
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	207
WATER CONNECTIONS	5.3000B	211
EXHAUST MANIFOLD	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	811
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	540
ENGINE MOUNTS	11.1000A	410

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	56
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	51
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	47
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNORS	2.7000A	596
INJECTOR CONTROLS	2.9000	100
AIR SILENCER	3.2000A	28
AIR INLET HOUSING	3.3000A	232
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	221
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	316
OIL FILLER	4.5000A	45
DIPSTICK	4.6000A	186
OIL PAN	4.7000A	294
VENTILATING SYSTEM	4.8000A	355
FRESH WATER PUMP	5.1000	61
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	207
WATER CONNECTIONS	5.3000B	211
HEAT EXCHANGER	5.5000A	321
RAW WATER PUMP	5.6000A	38
EXHAUST MANIFOLD	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	811
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	540
ENGINE MOUNTS	11.1000A	410

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	387
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	173
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	●
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	●
CRANKSHAFT PULLEY	1.3000C	●
FLYWHEEL	1.4000A	●
FLYWHEEL HOUSING	1.5000A	●
FLYWHEEL HOUSING ADAPTOR	1.5000B	●
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	●
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
BALANCE WEIGHT COVER	1.7000A	●
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	●
FUEL INJECTOR	2.1000A	●
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	●
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	●
MECHANICAL GOVERNOR	2.7000A	●
INJECTOR CONTROLS THRU 3D-152410	2.9000	100
INJECTOR CONTROLS EFF. WITH 3D-152411 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	281
INJECTOR CONTROLS	2.9000	●
AIR SILENCER	3.2000A	●
AIR INLET HOUSING	3.3000A	●
BLOWER THRU 3D-170682	3.4000	113
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	315
BLOWER	3.4000	●
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	167
OIL DISTRIBUTION SYSTEM	4.1000B	●
OIL PRESSURE REGULATOR	4.1000C	●
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	9
OIL FILTER STD. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	220
OIL FILTER	4.2000A	●
OIL COOLER (ENGINE) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	238
OIL COOLER (ENGINE)	4.4000A	●
OIL COOLER (MARINE GEAR)	4.4000A	●
OIL FILLER CAP (ON ROCKER COVER)	4.5000A	●
DIPSTICK	4.6000A	●
OIL PAN	4.7000A	●
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	●
FRESH WATER PUMP	5.1000	●
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	●
WATER BY-PASS TUBE	5.2000C	●
WATER CONNECTIONS	5.3000B	●
EXHAUST MANIFOLD	6.1000A	●
EXHAUST MUFFLER CONNECTIONS	6.2000A	●
BATTERY CHARGING GENERATOR	7.1000A	●
STARTING MOTOR	7.3000A	●
ENGINE MOUNTS	11.1000A	●

● STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	29
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	23
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	173
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	34
FUEL PUMP EFF. WITH 3D-158375 AND THRU 3D-167372	2.2000	136
FUEL PUMP EFF. WITH 3D-167373 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	178
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNORS	2.7000A	•
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	277
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	316
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-186877	1.3000A	119
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
BALANCE WEIGHT COVER EFF. WITH 3D-186878	1.7000A	58
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	173
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	34
FUEL PUMP EFF. WITH 3D-158375 AND THRU 3D-167372	2.2000	136
FUEL PUMP EFF. WITH 3D-167373	2.2000	178
FUEL FILTER THRU 3D-1615142	2.3000A	157
FUEL FILTER EFF. WITH 3D-1615143	2.3000A	720
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	501
MECHANICAL GOVERNORS	2.7000A	•
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
AIR INLET HOUSING	3.3000A	139
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-173980	4.2000A	226
OIL FILTER EFF. WITH 3D-173981	4.2000A	432
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	267
OIL PAN	4.7000A	537
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	217
STARTING MOTOR	7.3000A	302

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	144
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	108
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	196
FLYWHEEL	1.4000A	861
FLYWHEEL HOUSING	1.5000A	534
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	53
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	310
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	1.8000	178
FUEL PUMP EFF. WITH 3D-158375	2.2000	167
FUEL FILTER	2.3000A	689
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1520
MECHANICAL GOVERNOR	2.7000A	1707
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
THROTTLE CONTROLS	2.9000A	483
AIR CLEANER	3.1000A	211
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-142864	3.4000	114
BLOWER EFF. WITH 3D-142865	3.4000	278
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	261
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	331
OIL COOLER THRU 3D-165141	4.4000A	230
OIL COOLER EFF. WITH 3D-165142	4.4000A	847
OIL FILLER	4.5000A	122
DIPSTICK	4.6000A	830
OIL PAN	4.7000A	514
VENTILATING SYSTEM	4.8000A	246
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	1053
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1946
STARTING MOTOR	7.3000A	180
INSTRUMENTS	7.4000A	372
ENGINE MOUNTS	11.1000A	370

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	144
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	196
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	150
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	2.2000	34
FUEL PUMP EFF. WITH 3D-158375 AND THRU 3D-167372	2.2000	136
FUEL PUMP EFF. WITH 3D-167373	2.2000	178
FUEL FILTER	2.3000A	691
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1522
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-142864	3.4000	114
BLOWER EFF. WITH 3D-142865	3.4000	278
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	353
OIL COOLER	4.4000A	848
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	1053
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1938
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	81
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	111
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	93
CRANKSHAFT PULLEY	1.3000C	275
FLYWHEEL	1.4000A	637
FLYWHEEL HOUSING	1.5000A	386
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	132
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	147
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
HYDRAULIC GOVERNOR	2.8000A	532
INJECTOR CONTROLS	2.9000	108
THROTTLE CONTROLS	2.9000A	732
AIR INLET HOUSING	3.3000A	332
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	308
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	130
OIL FILTER LINES	4.3000A	131
OIL COOLER	4.4000A	466
OIL FILLER	4.5000A	82
DIPSTICK	4.6000A	492
OIL PAN	4.7000A	367
VENTILATING SYSTEM	4.8000A	440
FRESH WATER PUMP	5.1000	169
WATER OUTLET MANIFOLD	5.2000A	108
THERMOSTAT	5.2000B	157
WATER BY-PASS TUBE	5.2000C	355
WATER CONNECTIONS	5.3000B	223
EXHAUST MANIFOLD	6.1000A	288
BATTERY CHARGING GENERATOR	7.1000A	1363
STARTING MOTOR	7.3000A	272
TACHOMETER DRIVE	7.4000B	396
ENGINE MOUNTS	11.1000A	532
AIR COMPRESSOR	12.4000A	729

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-13817	1.2000A	30
ENGINE LIFTER BRACKET (USE WITH RADIATOR SHELL & SHORT HOODS)	1.2000A	42
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER (NO AIR COMPRESSOR OR VACUUM PUMP)	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT (1:1 FAN RATIO)	1.3000D	176
CRANKSHAFT PULLEY BELT (1.25:1 FAN RATIO)	1.3000D	91
FLYWHEEL (DELCO POWER GENERATOR)	1.4000A	331
FLYWHEEL (TWIN DISC PTO C110 HP2)	1.4000A	340
FLYWHEEL (TWIN DISC C111 CLUTCH OR ROCKFORD PTA 3120)	1.4000A	325
FLYWHEEL (LIPE ROLLWAY 13 ML CLUTCH)	1.4000A	326
FLYWHEEL (10" CLUTCH)	1.4000A	327
FLYWHEEL (ROCKFORD 14" TT CLUTCH)	1.4000A	328
FLYWHEEL (ALLISON CRT 3331 OR TC 300)	1.4000A	336
FLYWHEEL (10" CLUTCH)	1.4000A	296
FLYWHEEL (8" CLUTCH)	1.4000A	297
FLYWHEEL (10" CLUTCH, DETROIT DIESEL PTO)	1.4000A	305
FLYWHEEL (ROCKFORD 11 TT CLUTCH)	1.4000A	324
FLYWHEEL HOUSING	1.5000A	177
FLYWHEEL HOUSING	1.5000A	345
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
ACCESSORY DRIVE (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	1.7000B	60
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER (PLAIN)	1.8000A	38
ROCKER COVER (WITH OIL FILLER HOLE)	1.8000A	39
FUEL INJECTOR	2.1000A	51
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER (WITH ENGINE OIL COOLER)	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES (WITH ENGINE OIL COOLER)	2.5000A	413
FUEL LINES (FUEL CHECK VALVE 1/4" INLET) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	2.5000A	766
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	600
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	505
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	589
INJECTOR CONTROL TUBE	2.9000	108
THROTTLE CONTROLS (VARIABLE SPEED, CLOSED LINKAGE)	2.9000A	603
THROTTLE CONTROLS (VARIABLE SPEED, OPEN LINKAGE)	2.9000A	504
AIR CLEANER (HEAVY DUTY, REMOTE MOUNTED) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	151
AIR CLEANER (LIGHT DUTY, REMOTE MOUNTED) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	197
AIR CLEANER (LIGHT DUTY, DIRECT MOUNTED) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	274
AIR INLET HOUSING (MANUAL SHUTDOWN, REMOTE MOUNTED AIR CLEANER)	3.3000A	139
AIR INLET HOUSING (MANUAL SHUTDOWN, DIRECT MOUNTED AIR CLEANER)	3.3000A	161
AIR INLET HOUSING (AUTOMATIC SHUTDOWN, RESET LEVER, REMOTE MOUNTED AIR CLEANER)	3.3000A	171
BLOWER	3.4000	60
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM (10 DEG. OPERATION)	4.1000B	235
OIL DISTRIBUTION SYSTEM (20 DEG. OPERATION) (OPTIONAL EQUIP. EFF. WITH 3D-883 STANDARD EQUIP. NOT SHOWN ON OPTION PLATE PRIOR TO THIS SERIAL NUMBER.)	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR)	4.2000A	226
OIL FILTER (REMOTE MOUNTED)	4.2000A	134
OIL FILTER LINES (ADAPTOR ONLY)	4.3000A	131
OIL COOLER (ENGINE OIL)	4.4000A	230
OIL COOLER (ENGINE AND TORQUE CONVERTER OIL)	4.4000A	277
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON BREATHER)	4.5000A	44

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
DIPSTICK (10 DEG. OPERATION, STAMPED PAN) (RING TYPE)	4.6000A	253
DIPSTICK (20 DEG. OPERATION, CAST PAN) (RING TYPE)	4.6000A	267
OIL PAN (10 DEG. OPERATION)	4.7000A	251
OIL PAN (PLAIN) (20 DEG. OPERATION)	4.7000A	108
VENTILATING SYSTEM (PLAIN)	4.8000A	196
VENTILATING SYSTEM (WITH OIL FILLER)	4.8000A	222
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW (VERTICAL OUTLET)	5.2000A	67
WATER OUTLET ELBOW (HORIZONTAL OUTLET)	5.2000A	70
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
RADIATOR (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.3000A	100
RADIATOR (WITH SHORT HOOD) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.3000A	80
WATER CONNECTIONS (WITH MANUAL OR NO SHUTDOWN) (WITH RADIATOR CONNECTIONS)	5.3000B	135
WATER CONNECTIONS (WITH MANUAL OR NO SHUTDOWN) (NO RADIATOR CONNECTIONS)	5.3000B	117
WATER CONNECTIONS (WITH MECHANICAL SHUTDOWN) (WITH RADIATOR CONNECTIONS)	5.3000B	136
WATER CONNECTIONS (WITH MECHANICAL SHUTDOWN) (NO RADIATOR CONNECTIONS)	5.3000B	122
FAN (SUCTION, 22" - 5 BLADE, 1:1 RATIO)	5.4000A	276
FAN (BLOWER, 22" - 5 BLADE, 1:1 RATIO)	5.4000A	280
FAN (SUCTION 18" - 5 BLADE, 1.25:1 RATIO)	5.4000A	281
FAN (BLOWER, 18" - 6 BLADE, 1.25:1 RATIO)	5.4000A	282
EXHAUST MANIFOLD (WITH MANUAL OR NO SHUTDOWN)	6.1000A	217
EXHAUST MANIFOLD (VERTICAL CENTER OUTLET WITH MECHANICAL SHUTDOWN)	6.1000A	211
EXHAUST MANIFOLD (HORIZONTAL REAR OUTLET WITH MANUAL OR NO SHUTDOWN)	6.1000A	226
EXHAUST MUFFLER CONNECTIONS (3" PIPE THREAD)	6.2000A	234
EXHAUST MUFFLER CONNECTIONS (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	6.2000A	175
BATTERY CHARGING GENERATOR (12V., 25 AMP.)	7.1000A	816
STARTING MOTOR	7.3000A	255
INSTRUMENTS (TACHOMETER ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	390
INSTRUMENT PANEL (5' CAPILLARY TUBE)	7.4000A	372
INSTRUMENT PANEL (10' CAPILLARY TUBE)	7.4000A	373
INSTRUMENT PANEL (15' CAPILLARY TUBE)	7.4000A	374
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	189
TACHOMETER DRIVE (DRIVEN FROM GOVERNOR SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	181
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	199
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	201
MECHANICAL AUTOMATIC SHUTDOWN (WITHOUT OVERSPEED GOVERNOR) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	392
OVERSPEED GOVERNOR (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000C	635
POWER TAKE-OFF (SAE #4, 10" CLUTCH) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	180
ENGINE HOOD	10.1000A	NONE
ENGINE MOUNTING (TRUNNION MOUNTING, WITH CONE DRIVEN CRANKSHAFT PULLEY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	430
ENGINE MOUNTING (TRUNNION MOUNTING WITH SOLID DRIVE CRANKSHAFT PULLEY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	446
ENGINE MOUNTING (FRONT ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	306
COLD WEATHER STARTING AID (CAPSULE TYPE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000C	3

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-349	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000	26
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000	193
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR STD. EQUIP. PRIOR TO 3D-210	2.1000A	40
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	136
FUEL PUMP EFF. WITH 3D-158375	2.2000	178
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	416
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170653	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-136	4.1000B	235
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-661	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-437708	5.1000	146
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2062
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	112
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	42
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-126481	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-126482	1.3000A	119
FLYWHEEL	1.4000A	559
FLYWHEEL HOUSING	1.5000A	312
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000	26
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000	193
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	38
FUEL INJECTOR N35	2.1000A	138
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	136
FUEL PUMP EFF. WITH 3D-158375	2.2000	178
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	501
FUEL LINE CHECK VALVE	2.5000A	766
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 3D-103684	2.7000A	1707
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	278
AIR INLET HOUSING THRU 3D-152975	3.3000A	139
AIR INLET HOUSING EFF. WITH 3D-152976 (STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE)	3.3000A	595
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	267
OIL PAN	4.7000A	537
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 3D-103684	4.8000A	222
FRESH WATER PUMP	5.1000	146
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	217
STARTING MOTOR THRU 3D-137562	7.3000A	188
STARTING MOTOR EFF. WITH 3D-137563	7.3000A	302

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	32
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	92
FLYWHEEL	1.4000A	327
FLYWHEEL HOUSING	1.5000A	175
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	40
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	413
MECHANICAL GOVERNOR	2.7000A	466
INJECTOR CONTROLS	2.9000	108
AIR INLET HOUSING	3.3000A	139
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	109
OIL FILTER LINES	4.3000A	98
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	107
OIL PAN	4.7000A	108
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	590
STARTING MOTOR	7.3000A	255

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	83
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-115973 AND THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-965	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	173
ROCKER COVER	1.8000A	39
FUEL INJECTOR THRU 3D-209	2.1000A	40
FUEL INJECTOR EFF. WITH 3D-210. STD. EQUIP. PRIOR TO 3D-2692	2.1000A	52
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495	2.2000	136
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	416
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS THRU 3D-152790	2.9000	108
INJECTOR CONTROLS EFF. WITH 3D-152791	2.9000	277
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-136	4.1000B	235
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	228
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-652	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-43778	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2062
STARTING MOTOR	7.3000A	302
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 3D-80124	1.1000	82
CYLINDER BLOCK EFF. WITH 3D-80125	1.1000	83
AIR BOX DRAINS	1.1000A	81
CYLINDER HEAD	1.2000	75
ENGINE LIFTER BRACKET	1.2000A	111
CRANKSHAFT	1.3000	41
CRANKSHAFT FRONT COVER	1.3000A	93
CRANKSHAFT PULLEY	1.3000C	275
FLYWHEEL	1.4000A	637
FLYWHEEL HOUSING	1.5000A	386
CONNECTING ROD AND PISTON	1.6000	80
CAMSHAFT AND GEAR TRAIN	1.7000	74
VALVE OPERATING MECHANISM	1.8000	57
ROCKER COVER	1.8000A	132
FUEL INJECTOR	2.1000A	87
FUEL PUMP	2.2000	96
FUEL PUMP AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	853
MECHANICAL GOVERNOR	2.7000A	868
INJECTOR CONTROLS	2.9000	108
THROTTLE CONTROLS	2.9000A	732
AIR INLET HOUSING	3.3000A	332
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	308
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	130
OIL FILTER LINES	4.3000A	131
OIL COOLER	4.4000A	466
OIL FILLER	4.5000A	86
DIPSTICK	4.6000A	492
OIL PAN	4.7000A	367
VENTILATING SYSTEM	4.8000A	440
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	108
THERMOSTAT	5.2000B	157
WATER BY-PASS TUBE	5.2000C	355
WATER CONNECTIONS	5.3000B	223
EXHAUST MANIFOLD	6.1000A	288
BATTERY CHARGING GENERATOR	7.1000A	1363
STARTING MOTOR	7.3000A	272
TACHOMETER DRIVE	7.4000B	396
ENGINE MOUNTS	11.1000A	532
AIR COMPRESSOR	12.4000A	495
HYDRAULIC PUMP	12.5000A	109

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	●
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	●
CRANKSHAFT PULLEY	1.3000C	●
FLYWHEEL	1.4000A	●
FLYWHEEL HOUSING	1.5000A	●
FLYWHEEL HOUSING ADAPTOR	1.5000B	●
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	●
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
BALANCE WEIGHT COVER	1.7000A	●
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	●
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	136
FUEL PUMP EFF. WITH 3D-158375	2.2000	178
FUEL FILTER	2.3000A	●
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	●
MECHANICAL GOVERNOR	2.7000A	●
INJECTOR CONTROLS THRU 3D-153027	2.9000	99
INJECTOR CONTROLS EFF. WITH 3D-153028	2.9000	278
AIR SILENCER	3.2000A	●
AIR INLET HOUSING	3.3000A	●
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	●
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	166
OIL PUMP	4.1000A	●
OIL DISTRIBUTION SYSTEM	4.1000B	●
OIL PRESSURE REGULATOR	4.1000C	●
OIL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	239
OIL FILTER	4.2000A	●
OIL COOLER (ENGINE) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	230
OIL COOLER (ENGINE)	4.4000A	●
OIL COOLER (MARINE GEAR)	4.4000A	●
OIL FILLER	4.5000A	●
DIPSTICK	4.6000A	●
OIL PAN	4.7000A	●
VENTILATING SYSTEM	4.8000A	●
FRESH WATER PUMP	5.1000	●
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	●
WATER BY-PASS TUBE	5.2000C	●
WATER CONNECTIONS	5.3000B	●
EXHAUST MANIFOLD	6.1000A	●
EXHAUST MUFFLER CONNECTIONS	6.2000A	●
BATTERY CHARGING GENERATOR	7.1000A	●
STARTING MOTOR	7.3000A	●
ENGINE MOUNTS	11.1000A	●

● STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	63
AIR BOX DRAINS	1.1000A	98
CYLINDER HEAD	1.2000	62
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-190557	1.2000A	117
CRANKSHAFT	1.3000	35
CRANKSHAFT FRONT COVER THRU 3D-186877	1.3000A	82
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-184934	1.3000C	236
FLYWHEEL	1.4000A	714
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 3D-190557	1.5000A	407
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO 3D-185417	1.6000	67
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	96
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	278
BALANCE WEIGHT COVER EFF. WITH 3D-186878	1.7000A	52
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	76
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	192
ROCKER COVER STD. EQUIP. PRIOR TO 3D-190557	1.8000A	114
FUEL INJECTOR THRU 3D-78962	2.1000A	87
FUEL INJECTOR EFF. WITH 3D-78963, STD. EQUIP. PRIOR TO 3D-93702	2.1000A	74
FUEL PUMP THRU 3D-85494	2.2000	70
FUEL PUMP EFF. WITH 3D-85495 AND THRU 4D-163133	2.2000	145
FUEL PUMP EFF. WITH 4D-163134	2.2000	185
FUEL FILTER STD. EQUIP. PRIOR TO 3D-190557	2.3000A	357
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 3D-190557	2.5000A	779
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 3D-93702	2.7000A	1691
INJECTOR CONTROLS THRU 3D-153026	2.9000	99
INJECTOR CONTROLS EFF. WITH 3D-153027; STD. EQUIP. PRIOR TO 3D-190557	2.9000	278
THROTTLE CONTROLS STD. EQUIP. PRIOR TO 3D-165142	2.9000A	785
BLOWER THRU 3D-170682	3.4000	130
BLOWER EFF. WITH 3D-170683; STD. EQUIP. PRIOR TO 3D-190557	3.4000	324
OIL PUMP	*4.1000A*	*106*
OIL DISTRIBUTION SYSTEM THRU 3D-81923	4.1000B	353
OIL DISTRIBUTION SYSTEM EFF. WITH 3D-81924 STD. EQUIP. PRIOR TO 3D-190557	4.1000B	411
OIL FILTER STD. EQUIP. PRIOR TO 3D-190557	4.2000A	284
OIL COOLER STD. EQUIP. PRIOR TO 3D-190557	4.4000A	578
OIL FILLER STD. EQUIP. PRIOR TO 3D-190557	4.5000A	74
DIPSTICK STD. EQUIP. PRIOR TO 3D-190128	4.6000A	532
OIL PAN THRU 3D-81923	4.7000A	508
OIL PAN EFF. WITH 3D-81924; STD. EQUIP. PRIOR TO 3D-190557	4.7000A	594
FRESH WATER PUMP	5.1000	138
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 3D-190557	5.2000A	100
THERMOSTAT STD. EQUIP. PRIOR TO 3D-190557	5.2000B	136
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-190557	5.2000C	300
WATER CONNECTIONS STD. EQUIP. PRIOR TO 3D-190557	5.3000B	223
FAN	5.4000A	906
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 3D-190557	6.1000A	255
STARTING MOTOR THRU 3D-143080	7.3000A	243
STARTING MOTOR EFF. WITH 3D-143081 STD. EQUIP. PRIOR TO 3D-165142	7.3000A	303
STARTING MOTOR	7.3000A	307
AIR HEATER STD. EQUIP. PRIOR TO 3D-190557	7.8000A	168

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-154535	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-154536 AND THRU 3D-170682	1.7000	220
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	169
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	•
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-154535	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-154536 AND THRU 3D-170682	1.7000	220
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	265
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	169
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	127
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	279
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	•
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	49
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	220
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683; STD. EQUIP. PRIOR TO 3D-190557	3.4000	316
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	29
CYLINDER BLOCK	1.1000	●
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET THRU 3D-122814	1.2000A	30
ENGINE LIFTER BRACKET EFF. WITH 3D-122815	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-126481	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-126482 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	119
CRANKSHAFT FRONT COVER	1.3000A	●
FLYWHEEL STD. EQUIP. THRU 3D-97177	1.4000A	296
FLYWHEEL	1.4000A	●
FLYWHEEL HOUSING	1.5000A	●
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	●
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER THRU 3D-166784	2.3000A	157
FUEL FILTER EFF. WITH 3D-166785	2.3000A	720
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	499
MECHANICAL GOVERNOR	2.7000A	●
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
AIR INLET HOUSING THRU 3D-152975	3.3000A	140
AIR INLET HOUSING EFF. WITH 3D-152976 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	595
AIR INLET HOUSING	3.3000A	●
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	●
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-102712	4.1000B	49
OIL DISTRIBUTION SYSTEM	4.1000B	●
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-173980	4.2000A	226
OIL FILTER EFF. WITH 3D-173981	4.2000A	432
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-102712	4.6000A	●
OIL PAN STD. EQUIP. PRIOR TO 3D-102712	4.7000A	●
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	217
STARTING MOTOR	7.3000A	●

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	116
FLYWHEEL	1.4000A	599
FLYWHEEL HOUSING	1.5000A	343
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	346
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	745
MECHANICAL GOVERNOR	2.7000A	588
INJECTOR CONTROLS	2.9000	121
AIR INLET HOUSING	3.3000A	139
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	292
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	276
DIPSTICK	4.6000A	267
OIL PAN	4.7000A	154
VENTILATING SYSTEM	4.8000A	400
FRESH WATER PUMP	5.1000	39
WATER OUTLET ELBOW	5.2000A	99
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	373
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR MOUNTS	7.1000A	1205
TACHOMETER DRIVE	7.4000B	280
ENGINE MOUNTS	11.1000A	501
AIR COMPRESSOR	12.4000A	422

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	29
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	116
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-186877	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000C	111
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000D	176
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	744
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	454
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	300
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	265
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER EFF. WITH 3D-186878 AND THRU 3D-197863	1.7000A	58
BALANCE WEIGHT COVER EFF. WITH 197864	1.7000A	53
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	185
VALVE OPERATING MECHANISM EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	175
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	38
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	152
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL PUMP AUXILIARY	2.2000	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	223
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000A	856
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	513
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	•
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	430
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-173980	4.2000A	314
OIL FILTER	4.2000A	•
OIL FILTER EFF. WITH 3D-173981 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	435
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	230
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	777
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	627
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.1000	151
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000A	67
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	382
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	117
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	211
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.3000A	299
STARTING MOTOR	7.3000A	•
SHUT-OFF OR ALARM SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.4000C	918
SHUT-OFF OR ALARM SYSTEM	7.4000C	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	144
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	46
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	861
FLYWHEEL HOUSING	1.5000A	534
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	151
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	127
FUEL FILTER	2.3000A	188
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	424
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	121
AIR INLET HOUSING	3.3000A	140
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	261
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	332
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	297
OIL PAN	4.7000A	514
VENTILATING SYSTEM	4.8000A	715
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	102
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	1041
EXHAUST MANIFOLD	6.1000A	217
BATTERY CHARGING GENERATOR	7.1000A	1947
STARTING MOTOR	7.3000A	180
TACHOMETER DRIVE	7.4000B	226

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	191
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	178
CRANKSHAFT PULLEY BELT	1.3000D	161
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	220
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	127
FUEL FILTER	2.3000A	690
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1521
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER	3.4000	307
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	292
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	353
OIL COOLER	4.4000A	847
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	271
OIL PAN	4.7000A	537
VENTILATING SYSTEM	4.8000A	197
FRESH WATER PUMP	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	510
EXHAUST MANIFOLD	6.1000A	411
EXHAUST MUFFLER CONNECTIONS	6.2000A	283
BATTERY CHARGING GENERATOR	7.1000A	2061
STARTING MOTOR	7.3000A	306

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-133641	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-133642 AND THRU 3D-186877	1.3000A	125
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-183686	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	493
FLYWHEEL HOUSING	1.5000A	647
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO 3D-185417	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	266
BALANCE WEIGHT COVER EFF. WITH 3D-186878 AND THRU 3D-197863	1.7000A	60
BALANCE WEIGHT COVER EFF. WITH 3D-197864	1.7000A	53
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	174
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	2.2000	152
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	853
MECHANICAL GOVERNOR	2.7000A	1708
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864; STD. EQUIP. PRIOR TO 3D-190557	2.9000	279
THROTTLE CONTROLS	2.9000A	595
AIR CLEANER ADAPTOR STD. EQUIP. PRIOR TO 3D-112976	3.1000A	211
AIR CLEANER ADAPTOR	3.1000A	374
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683; STD. EQUIP. PRIOR TO 3D-190557	3.4000	316
OIL PUMP THRU 3D-186877	4.1000A	49
OIL PUMP EFF. WITH 3D-186878	4.1000A	166
OIL DISTRIBUTION SYSTEM	4.1000B	390
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	130
OIL FILTER LINES	4.3000A	131
OIL COOLER	4.4000A	559
OIL FILLER, CAP	4.5000A	18
DIPSTICK	4.6000A	690
OIL PAN	4.7000A	514
FRESH WATER PUMP	5.1000	180
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT STD. EQUIP. PRIOR TO 3D-190709	5.2000B	72
WATER BY-PASS TUBE	5.2000C	346
WATER CONNECTIONS	5.3000B	278
FAN	5.4000A	637
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1734
STARTING MOTOR	7.3000A	298
POWER TAKE-OFF	8.1000A	271
ENGINE MOUNTS	11.1000A	430
COLD WEATHER STARTING AID	12.6000C	56

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-65049	1.2000A	41
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-167 AND THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-965	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000	26
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-154535	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-154536 AND THRU 3D-170682	1.8000	189
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR STD. EQUIP. PRIOR TO 3D-210	2.1000A	40
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER STD. EQUIP. PRIOR TO 3D-065	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 3D-065	2.5000A	360
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	272
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-136	4.1000B	169
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER STD. EQUIP. PRIOR TO 3D-022	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-065	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-65049	5.1000	38
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 3D-65049	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-65049	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2061
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	348
FLYWHEEL HOUSING	1.5000A	177
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	38
FUEL INJECTOR THRU 3D-730	2.1000A	40
FUEL INJECTOR EFF. WITH 3D-731	2.1000A	52
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	360
MECHANICAL GOVERNOR	2.7000A	468
INJECTOR CONTROLS	2.9000	89
THROTTLE CONTROLS	2.9000A	538
AIR INLET HOUSING	3.3000A	140
BLOWER 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-481	4.2000A	108
OIL FILTER EFF. WITH 3D-482	4.2000A	109
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	107
OIL PAN	4.7000A	108
VENTILATING SYSTEM	4.8000A	197
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	281
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	115
BATTERY CHARGING GENERATOR PULLEY	7.1000A	369
ENGINE MOUNTS	11.1000A	306

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	55
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	145
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	331
FLYWHEEL HOUSING	1.5000A	357
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
ACCESSORY DRIVE	1.7000B	61
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	56
FUEL PUMP	2.2000	46
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	611
INJECTOR CONTROLS	2.9000	121
AIR INLET HOUSING	3.3000A	290
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	401
DIPSTICK	4.6000A	422
OIL PAN	4.7000A	328
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP	5.1000	83
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	133
WATER BY-PASS TUBE	5.2000C	200
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	280
EXHAUST MANIFOLD	6.1000A	211
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1117
STARTING MOTOR	7.3000A	212

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	331
FLYWHEEL HOUSING	1.5000A	357
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-154535	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-154536 AND THRU 3D-170682	1.8000	189
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	360
HYDRAULIC GOVERNOR	2.8000A	998
INJECTOR CONTROLS	2.9000	121
AIR INLET HOUSING	3.3000A	272
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	152
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	325
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	280
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-126481	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-126482	1.3000A	119
FLYWHEEL STD. EQUIP. PRIOR TO 3D-97177	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM THRU 3D-154535	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-154536 AND THRU 3D-170682	1.8000	189
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	75
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	499
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
AIR INLET HOUSING THRU 3D-152975	3.3000A	140
AIR INLET HOUSING EFF. WITH 3D-152976 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	595
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	217
STARTING MOTOR	7.3000A	174

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	122
ENGINE LIFTER BRACKET	1.2000A	148
CRANKSHAFT	1.3000	41
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	744
FLYWHEEL HOUSING	1.5000A	454
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-154535	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-154536 AND THRU 3D-170682	1.8000	190
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	170
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-158374	2.2000	152
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL PUMP AUXILIARY	2.2000	164
FUEL MANIFOLD CONNECTIONS	2.4000	48
HYDRAULIC GOVERNOR	2.8000A	1051
INJECTOR CONTROLS	2.9000	223
THROTTLE CONTROLS	2.9000A	856
AIR INLET HOUSING	3.3000A	513
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	430
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	314
OIL COOLER	4.4000A	230
OIL FILLER STD. EQUIP. PRIOR TO 3D-103309	4.5000A	50
DIPSTICK	4.6000A	777
OIL PAN	4.7000A	627
VENTILATING SYSTEM	4.8000A	675
FRESH WATER PUMP	5.1000	151
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	382
WATER CONNECTIONS	5.3000B	117
FAN STD. EQUIP. PRIOR TO 3D-136466	5.4000A	280
EXHAUST MANIFOLD	6.1000A	211
STARTING MOTOR	7.3000A	299
AUTOMATIC SHUTDOWN	7.4000C	918

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-65049	1.2000A	41
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-115972 AND THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	455
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-65049	5.1000	146
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 3D-65049	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-65049	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2064
STARTING MOTOR	7.3000A	302

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 3D-115972 AND THRU 3D-122664	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	31
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	265
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	169
ROCKER COVER	1.8000A	39
FUEL INJECTOR STD. EQUIP. PRIOR TO 3D-731	2.1000A	52
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	360
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-151863	2.9000	121
INJECTOR CONTROLS EFF. WITH 3D-151864	2.9000	279
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	595
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-760	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-498	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	318
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	2061
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	83
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	75
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	41
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	493
FLYWHEEL HOUSING	1.5000A	344
CONNECTING ROD AND PISTON	1.6000	80
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	42
ROCKER COVER	1.8000A	61
FUEL INJECTOR	2.1000A	94
FUEL PUMP THRU 3D-85494	2.2000	75
FUEL PUMP EFF. WITH 3D-85495	2.2000	158
FUEL PUMP AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	853
MECHANICAL GOVERNOR	2.7000A	1122
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	595
AIR CLEANER	3.1000A	211
AIR INLET HOUSING	3.3000A	140
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	390
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	130
OIL FILTER LINES	4.3000A	131
OIL COOLER THRU 3D-61896	4.4000A	60
OIL COOLER EFF. WITH 3D-61897	4.4000A	559
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	690
OIL PAN	4.7000A	514
FRESH WATER PUMP	5.1000	146
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	278
FAN	5.4000A	637
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1642
STARTING MOTOR 12V.	7.3000A	243
TACHOMETER DRIVE	7.4000B	508
POWER TAKE-OFF	8.1000A	271
ENGINE MOUNTS	11.1000A	430
COLD WEATHER STARTING AID	12.6000C	45

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	119
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	173
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	177
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	NONE
MECHANICAL GOVERNOR	2.7000A	1710
INJECTOR CONTROLS THRU 3D-152410	2.9000	100
INJECTOR CONTROLS EFF. WITH 3D-152411	2.9000	281
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILTER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	558
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	102
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	135
STARTING MOTOR	7.3000A	174
TACHOMETER DRIVE	7.4000B	280
HYDRAULIC MARINE GEAR	9.1000A	926
ENGINE MOUNTS THRU 3D-156458	11.1000A	499
ENGINE MOUNTS EFF. WITH 3D-156459	11.1000A	506

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-13817	1.2000A	30
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	533
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	100
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	158
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN (10 DEG. INCLINATION)	4.7000A	584
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-65049	5.1000	38
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 3D-65049	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-65049	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1779
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	189
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	215
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	73
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 3D-170958	1.6000	194
CONNECTING ROD AND PISTON EFF. WITH 3D-170959, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	207
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	252
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	182
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	180
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.4000	48
FUEL MANIFOLD CONNECTIONS	2.4000	•
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	276
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-166902	3.4000	114
BLOWER EFF. WITH 3D-166903 AND THRU 3D-170682	3.4000	344
BLOWER EFF. WITH 3D-170683 AND THRU 3D-191031	3.4000	345
BLOWER EFF. WITH 3D-191032	3.4000	436
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 3D-186877	4.1000A	52
OIL PUMP EFF. WITH 3D-186878	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	669
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	189
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	215
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	73
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 3D-170958	1.6000	194
CONNECTING ROD AND PISTON EFF. WITH 3D-170959, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	207
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	252
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	415
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	182
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	180
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	276
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D0166902	3.4000	114
BLOWER EFF. WITH 3D0166903 AND THRU 3D0170682	3.4000	344
BLOWER EFF. WITH 3D-170683 AND THRU 3D-191031	3.4000	345
BLOWER EFF. WITH 3D-191032	3.4000	436
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 3D-186877	4.1000A	52
OIL PUMP EFF. WITH 3D-186878	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTION	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	189
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	215
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	73
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	207
CAMSHAFT AND GEAR TRAIN	1.7000	182
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM	1.8000	82
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	276
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	345
BLOWER	3.4000	•
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 3D-186877	4.1000A	52
OIL PUMP EFF. WITH 3D-186878	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 3D-186878	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 3D-107833	1.2000A	42
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	32
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	39
FUEL INJECTOR STD. EQUIP. PRIOR TO 3D-4289	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	34
FUEL PUMP EFF. WITH 3D-85495	2.2000	136
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	501
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	108
THROTTLE CONTROLS	2.9000A	511
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	161
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-19242	4.2000A	109
OIL FILTER EFF. WITH 3D-19243	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN	4.7000A	584
VENTILATING SYSTEM	4.8000A	233
FRESH WATER PUMP THRU 3D-65048	5.1000	39
FRESH WATER PUMP EFF. WITH 3D-65049	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
RADIATOR	5.3000A	111
WATER CONNECTIONS	5.3000B	157
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1776
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	429
WIRING HARNESS	7.7000A	279
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	152
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1130
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 3D-92299	2.7000A	1122
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	822
AIR CLEANER	3.1000A	340
AIR INLET HOUSING	3.3000A	140
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	261
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	279
OIL COOLER	4.4000A	559
OIL FILLER	4.5000A	54
DIPSTICK	4.6000A	616
OIL PAN	4.7000A	514
VENTILATING SYSTEM	4.8000A	236
FRESH WATER PUMP	5.1000	146
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
RADIATOR	5.3000A	128
WATER CONNECTIONS	5.3000B	155
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1563
STARTING MOTOR	7.3000A	243
INSTRUMENTS	7.4000A	776
TACHOMETER DRIVE	7.4000B	463
ENGINE MOUNTS	11.1000A	359
COLD WEATHER STARTING AID	12.6000C	45

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	333
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	29
ROCKER COVER	1.8000A	39
FUEL INJECTOR THRU 3D-730	2.1000A	40
FUEL INJECTOR EFF. WITH 3D-731	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	499
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	158
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 3D-311	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-19242	4.2000A	109
OIL FILTER EFF. WITH 3D-19243	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 3D-611	4.6000A	107
DIPSTICK	4.6000A	253
OIL PAN STD. EQUIP. PRIOR TO 3D-311	4.7000A	584
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP STD. EQUIP. PRIOR TO 3D-65049	5.1000	38
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 3D-65049	5.2000C	130
RADIATOR STD. EQUIP. PRIOR TO 3D-1219	5.3000A	58
RADIATOR	5.3000A	108
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1777
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	279
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET THRU 3D-168	1.2000A	30
ENGINE LIFTER BRACKET EFF. WITH 3D-169	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	333
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	39
FUEL INJECTOR THRU 3D-730	2.1000A	40
FUEL INJECTOR EFF. WITH 3D-731	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	499
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	158
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-19242	4.2000A	109
OIL FILTER EFF. WITH 3D-19243	4.2000A	226
OIL COOLER	4.4000A	230
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN (10 DEG. INCLINATION)	4.7000A	584
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP THRU 3D-65048	5.1000	38
FRESH WATER PUMP EFF. WITH 3D-65049	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
RADIATOR	5.3000A	108
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1777
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	279
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	336
FLYWHEEL HOUSING	1.5000A	349
CONNECTING ROD AND PISTON	1.6000	26
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	30
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495	2.2000	127
FUEL FILTER	2.3000A	181
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	504
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	158
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	235
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 3D-19242	4.2000A	109
OIL FILTER EFF. WITH 3D-19243	4.2000A	226
OIL COOLER	4.4000A	277
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	253
OIL PAN (10 DEG. INCLINATION)	4.7000A	584
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP THRU 3D-65048	5.1000	38
FRESH WATER PUMP EFF. WITH 3D-65049	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
RADIATOR	5.3000A	110
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1207
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	279
TORQUE CONVERTER	8.3000A	300
TORQUE CONVERTER LINES	8.3000B	142
ENGINE MOUNTS	11.1000A	358
ENGINE BASE	11.1000A	425

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	83
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	75
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	41
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	154
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON	1.6000	80
CAMSHAFT AND GEAR TRAIN	1.7000	31
VALVE OPERATING MECHANISM	1.8000	42
ROCKER COVER	1.8000A	38
FUEL INJECTOR	2.1000A	87
FUEL PUMP	2.2000	75
FUEL PUMP AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1130
MECHANICAL GOVERNOR THRU 3D-43517	2.7000A	601
MECHANICAL GOVERNOR EFF. WITH 3D-43518	2.7000A	1122
INJECTOR CONTROLS	2.9000	121
THROTTLE CONTROLS	2.9000A	822
AIR CLEANER	3.1000A	340
AIR INLET HOUSING	3.3000A	140
BLOWER	3.4000	114
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	261
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	279
OIL COOLER	4.4000A	559
OIL FILLER	4.5000A	54
DIPSTICK	4.6000A	616
OIL PAN (30 DEG. FRONT, 20 DEG. REAR INCLINATION)	4.7000A	514
VENTILATING SYSTEM	4.8000A	236
FRESH WATER PUMP THRU 3D-65048	5.1000	129
FRESH WATER PUMP EFF. WITH 3D-65049	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 3D-65048	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 3D-65049	5.2000C	318
RADIATOR	5.3000A	128
WATER CONNECTIONS	5.3000B	155
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1563
STARTING MOTOR	7.3000A	243
INSTRUMENTS	7.4000A	776
TACHOMETER DRIVE	7.4000B	463
ENGINE MOUNTS	11.1000A	359
COLD WEATHER STARTING AID	12.6000C	45

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	23
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-186877	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	150
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
BALANCE WEIGHT COVER EFF. WITH 3D-186878	1.7000A	58
VALVE OPERATING MECHANISM THRU 3D-170682	1.8000	30
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	173
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER THRU 3D-166784	2.3000A	157
FUEL FILTER EFF. WITH 3D-166785 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	720
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	464
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	281
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER	3.1000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	316
BLOWER	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	169
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	238
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	267
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	537
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	404
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	2059
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•
POWER TAKE-OFF	8.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	29
AIR BOX DRAINS THRU 3D-9115	1.1000A	32
AIR BOX DRAINS EFF. WITH 3D-9116	1.1000A	63
CYLINDER HEAD	1.2000	22
ENGINE LIFTER BRACKET	1.2000A	40
CRANKSHAFT	1.3000	20
CRANKSHAFT FRONT COVER THRU 3D-122664	1.3000A	70
CRANKSHAFT FRONT COVER EFF. WITH 3D-122665	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 3D-1427	1.3000C	111
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON THRU 3D-145885	1.6000	26
CONNECTING ROD AND PISTON EFF. WITH 3D-145886	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 3D-170682	1.7000	32
CAMSHAFT AND GEAR TRAIN EFF. WITH 3D-170683	1.7000	267
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000	29
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000	193
VALVE OPERATING MECHANISM EFF. WITH 3D-170683	1.8000	168
ROCKER COVER	1.8000A	39
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 3D-85494	2.2000	33
FUEL PUMP EFF. WITH 3D-85495 AND THRU 3D-158374	2.2000	127
FUEL PUMP EFF. WITH 3D-158375	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	464
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 3D-152410	2.9000	100
INJECTOR CONTROLS EFF. WITH 3D-152411	2.9000	281
THROTTLE CONTROLS	2.9000A	504
AIR CLEANER	3.1000A	274
AIR INLET HOUSING	3.3000A	593
BLOWER THRU 3D-34007	3.4000	60
BLOWER EFF. WITH 3D-34008 AND THRU 3D-170682	3.4000	114
BLOWER EFF. WITH 3D-170683	3.4000	316
OIL PUMP	4.1000A	49
OIL DISTRIBUTION SYSTEM	4.1000B	169
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	226
OIL COOLER	4.4000A	238
OIL FILLER	4.5000A	18
DIPSTICK THRU 3D-856	4.6000A	107
DIPSTICK EFF. WITH 3D-857 AND THRU 3D-4894	4.6000A	181
DIPSTICK EFF. WITH 3D-4895	4.6000A	267
OIL PAN	4.7000A	108
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	158
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	319
WATER CONNECTIONS	5.3000B	208
HEAT EXCHANGER	5.5000A	303
EXHAUST MANIFOLD THRU 3D-66868	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 3D-66869	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	2059
STARTING MOTOR	7.3000A	188
INSTRUMENTS	7.4000A	507
WIRING HARNESS	7.7000A	302
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	353

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL HOUSING	1.5000A	195
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	63
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	33
FUEL MANIFOLD CONNECTIONS	2.4000	48
MECHANICAL GOVERNOR	2.7000A	590
INJECTOR CONTROLS	2.9000	91
BLOWER	3.4000	63
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	277
OIL PAN	4.7000A	157
VENTILATING SYSTEM	4.8000A	246
FRESH WATER PUMP	5.1000	70
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	182
WATER CONNECTIONS	5.3000B	122

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	46
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-42278	2.5000A	490
FUEL LINES EFF. WITH 4D-42279	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	101
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	220
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	291
OIL FILLER	4.5000A	45
DIPSTICK THRU 4D-30668	4.6000A	186
DIPSTICK EFF. WITH 4D-30669	4.6000A	549
OIL PAN	4.7000A	207
VENTILATING SYSTEM	4.8000A	250
FRESH WATER PUMP	5.1000	157
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	345
WATER CONNECTIONS	5.3000B	210
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	810
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	541
ENGINE MOUNTS	11.1000A	409

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	NONE
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
FLYWHEEL HOUSING ADAPTOR	1.5000B	NONE
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER (PLAIN)	1.8000A	40
FUEL INJECTOR	2.1000A	52
FUEL INJECTOR	2.1000A	51
FUEL PUMP	2.2000	46
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	602
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	597
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	589
INJECTOR CONTROL TUBE	2.9000	101
THROTTLE CONTROLS (VAR. SPD. CLOSED LINKAGE GOV.) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE	2.9000A	483
AIR SILENCER (MOUNTED ON AIR INLET HOUSING)	3.2000A	27
AIR SILENCER (MOUNTED ON BLOWER)	3.2000A	20
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFFECTIVE WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION	4.1000B	220
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	315
OIL FILLER	4.5000A	45
DIPSTICK	4.6000A	186
OIL PAN	4.7000A	207
VENTILATING SYSTEM	4.8000A	250
FRESH WATER PUMP	5.1000	62
THERMOSTAT PRIOR TO 4D-4724	5.2000B	88
THERMOSTAT (WITH HEAT EXCHANGER COOLING) EFF. WITH 4D-4724, STD. EQUIP. PRIOR TO 4D-11188	5.2000B	105
THERMOSTAT (DIRECT COOLING)	5.2000B	123
WATER BY-PASS TUBE (HEAT EXCHANGER COOLING)	5.2000C	186
WATER BY-PASS TUBE (DIRECT COOLING)	5.2000C	168
WATER CONNECTIONS (HEAT EXCHANGER COOLING)	5.3000B	204
WATER CONNECTIONS (DIRECT COOLING)	5.3000B	210
HEAT EXCHANGER (WITHOUT AUXILIARY WATERTANK) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	320
HEAT EXCHANGER (WITH AUXILIARY WATER TANK) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.5000A	349
RAW WATER PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.6000A	39
WATER FILTER (HEAT EXCHANGER COOLING, 15 GAL. SYSTEM) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.7000A	21
EXHAUST MANIFOLD (WATER COOLED)	6.1000A	126
EXHAUST MUFFLER FLANGE	6.2000A	176
BATTERY CHARGING GENERATOR (12V., 25 AMP. NEGATIVE RETURN)	7.1000A	810
BATTERY CHARGING GENERATOR (12V., 60 AMP. NEGATIVE RETURN)	7.1000A	1174
STARTING MOTOR (12V.)	7.3000A	180
ALARM SYSTEM (WITHOUT WATER FILTER) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON CPTION PLATE.)	7.4000	354
INSTRUMENT PANEL (SINGLE) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	220
INSTRUMENT PANEL (DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	215

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
TACHOMETER DRIVE CABLE (5' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	11
TACHOMETER DRIVE CABLE (10' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	47
TACHOMETER DRIVE CABLE (15' LONG) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	46
TACHOMETER DRIVE (SINGLE OUTLET) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	310
TACHOMETER DRIVE (DOUBLE OUTLET) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	306
HYDRAULIC MARINE GEAR (DIRECT DRIVE)	9.1000A	541
HYDRAULIC MARINE GEAR (1.5:1 REDUCTION)	9.1000A	543
HYDRAULIC MARINE GEAR (2:1 REDUCTION)	9.1000A	545
HYDRAULIC MARINE GEAR (2.5:1 REDUCTION)	9.1000A	681
ENGINE MOUNTING	11.1000A	409
ENGINE MOUNTING (RESILIENT TYPE)	11.1000A	489
BILGE PUMP (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.2000A	22

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	52
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	94
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	80
FUEL PUMP	2.2000	46
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	892
INJECTOR CONTROLS	2.9000	101
THROTTLE CONTROLS	2.9000A	483
AIR SILENCER	3.2000A	38
AIR INLET HOUSING	3.3000A	355
BLOWER THRU 4D-40305	3.4000	62
BLOWER EFF. WITH 4D-40306	3.4000	138
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	110
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM THRU 4D-29138	4.1000B	332
OIL DISTRIBUTION SYSTEM EFF. WITH 4D-29139	4.1000B	220
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER (MARINE GEAR)	4.4000A	502
OIL FILLER	4.5000A	45
DIPSTICK THRU 4D-29138	4.6000A	186
DIPSTICK EFF. WITH 4D-29139	4.6000A	549
OIL PAN THRU 4D-29138	4.7000A	404
OIL PAN EFF. WITH 4D-29139	4.7000A	487
VENTILATING SYSTEM	4.8000A	462
FRESH WATER PUMP	5.1000	157
THERMOSTAT	5.2000B	166
WATER BY-PASS TUBE	5.2000C	344
WATER CONNECTIONS	5.3000B	260
HEAT EXCHANGER	5.5000A	395
RAW WATER PUMP	5.6000A	48
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTION	6.2000A	339
BATTERY CHARGING GENERATOR	7.1000A	810
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	771
ENGINE MOUNTS THRU 4D-31853	11.1000A	537
ENGINE MOUNTS EFF. WITH 4D-31854	11.1000A	554

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 4D-97396	1.2000A	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-106480	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-106481	1.3000A	119
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	378
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	185
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000B	27
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	33
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	273
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 3D-162358	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 3D-162359 AND THRU 3D-170682	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 3D-170682	1.8000	167
ROCKER COVER	1.8000A	68
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	162
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-34551	2.5000A	433
FUEL LINES EFF. WITH 4D-34552, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1013
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-157398	2.9000	102
INJECTOR CONTROLS EFF. WITH 4D-157399 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	286
INJECTOR CONTROLS	2.9000	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	319
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	52
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	4.1000C	9
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER THRU 4D-19656	4.2000A	152
OIL FILTER STD. EQUIP. EFF. WITH 4D-19657, PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	221
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	239
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	397
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	6.2000A	176
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	163
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	325
FLYWHEEL HOUSING	1.5000A	ENG
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	68
FUEL PUMP	2.2000	127
FUEL MANIFOLD CONNECTIONS	2.4000	48
INJECTOR CONTROLS	2.9000	286
AIR SILENCER	3.2000A	27
BLOWER	3.4000	306
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	358
OIL COOLER (ENGINE)	4.4000A	239
OIL COOLER (MARINE GEAR)	4.4000A	272
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	313
FRESH WATER PUMP	5.1000	148
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	319
WATER CONNECTIONS	5.3000B	196
EXHAUST MANIFOLD	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	2022
STARTING MOTOR	7.3000A	308
HYDRAULIC MARINE GEAR	9.1000A	950
ENGINE MOUNTS	11.1000A	633

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET THRU 4D-1867	1.2000A	40
ENGINE LIFTER BRACKET EFF. WITH 4D-1868	1.2000A	53
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-3299	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	68
FUEL INJECTOR THRU 4D-4053	2.1000A	47
FUEL INJECTOR EFF. WITH 4D-4054	2.1000A	51
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-1067	2.5000A	390
FUEL LINES EFF. WITH 4D-1068	2.5000A	433
MECHANICAL GOVERNOR	2.7000A	594
INJECTOR CONTROLS	2.9000	102
AIR CLEANER	3.1000A	200
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-1067	4.2000A	116
OIL FILTER EFF. WITH 4D-1068 AND THRU 4D-19656	4.2000A	152
OIL FILTER EFF. WITH 4D-19657	4.2000A	221
OIL COOLER (ENGINE)	4.4000A	239
OIL COOLER (MARINE GEAR)	4.4000A	272
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	313
FRESH WATER PUMP	5.1000	45
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	147
WATER CONNECTIONS	5.3000B	200
EXHAUST MANIFOLD	6.1000A	126
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	881
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	550
ENGINE MOUNTS	11.1000A	473

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	33
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	68
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176	2.2000	127
FUEL FILTER	2.3000A	61
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-34551	2.5000A	433
FUEL LINES EFF. WITH 4D-34552	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	102
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	250
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-19656	4.2000A	152
OIL FILTER EFF. WITH 4D-19657	4.2000A	221
OIL COOLER (ENGINE)	4.4000A	239
OIL COOLER (MARINE GEAR)	4.4000A	272
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	313
FRESH WATER PUMP	5.1000	148
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	338
WATER CONNECTIONS	5.3000B	200
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	297
BATTERY CHARGING GENERATOR	7.1000A	881
STARTING MOTOR	7.3000A	180
HYDRAULIC MARINE GEAR	9.1000A	550
ENGINE MOUNTS	11.1000A	473

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 4D-97414	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-106480	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-106481	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	1.4000A	378
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	1.5000A	178
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	1.5000B	27
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-78175	2.2000	34
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	136
FUEL PUMP EFF. WITH 4D-172167	2.2000	178
FUEL FILTER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	162
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-34551	2.5000A	433
FUEL LINES EFF. WITH 4D-34552 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1013
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-157018	2.9000	101
INJECTOR CONTROLS EFF. WITH 4D-157019 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	283
INJECTOR CONTROLS	2.9000	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	317
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	52
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	9
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER THRU 4D-21064	4.2000A	153
OIL FILTER STD. EQUIP. EFF. WITH 4D-21065 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	4.2000A	241
OIL FILTER	4.2000A	•
OIL COOLER (ENGINE) STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	226
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
EXHAUST MANIFOLD EFF. WITH 4D-62199 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	397
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	6.2000A	177
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	145
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	325
FLYWHEEL HOUSING	1.5000A	345
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	138
VALVE OPERATING MECHANISM	1.8000	122
ROCKER COVER	1.8000A	63
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	136
FUEL FILTER	2.3000A	693
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1526
MECHANICAL GOVERNOR	2.7000A	1706
INJECTOR CONTROLS	2.9000	283
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	603
BLOWER	3.4000	306
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	009
OIL FILTER	4.2000A	354
OIL COOLER	4.4000A	273
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	314
FRESH WATER PUMP	5.1000	149
WATER OUTLET MANIFOLD	5.2000A	72
WATER BY-PASS TUBE	5.2000C	381
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	2020
STARTING MOTOR	7.3000A	312
HYDRAULIC MARINE GEAR	9.1000A	951
ENGINE MOUNTS	11.1000A	633

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET THRU 4D-1867	1.2000A	40
ENGINE LIFTER BRACKET EFF. WITH 4D-1868	1.2000A	53
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	63
FUEL INJECTOR THRU 4D-1608	2.1000A	47
FUEL INJECTOR EFF. WITH 4D-1609	2.1000A	51
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-1214	2.5000A	390
FUEL LINES EFF. WITH 4D-1215	2.5000A	433
MECHANICAL GOVERNOR	2.7000A	595
INJECTOR CONTROLS	2.9000	101
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-1214	4.2000A	116
OIL FILTER EFF., WITH 4D-1215 AND THRU 4D-21064	4.2000A	153
OIL FILTER EFF. WITH 4D-21065	4.2000A	241
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	314
FRESH WATER PUMP	5.1000	46
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	147
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD	6.1000A	126
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	1106
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	53
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
FLYWHEEL HOUSING ADAPTOR	1.5000B	27
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	63
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-34551	2.5000A	433
FUEL LINES EFF. WITH 4D-34552	2.5000A	1013
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS	2.9000	101
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	246
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-21064	4.2000A	153
OIL FILTER EFF. WITH 4D-21065	4.2000A	241
OIL COOLER (ENGINE)	4.4000A	226
OIL COOLER (MARINE GEAR)	4.4000A	273
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	273
OIL PAN	4.7000A	264
VENTILATING SYSTEM	4.8000A	314
FRESH WATER PUMP	5.1000	149
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	338
WATER CONNECTIONS	5.3000B	201
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	1106
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	551
ENGINE MOUNTS	11.1000A	473

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	51
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 4D-78175	2.2000	47
FUEL PUMP EFF. WITH 4D-78176	2.2000	137
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-42278	2.5000A	490
FUEL LINES EFF. WITH 4D-42279	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	102
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	221
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	316
OIL FILLER	4.5000A	45
DIPSTICK THRU 4D-30667	4.6000A	186
DIPSTICK EFF. WITH 4D-30668	4.6000A	549
OIL PAN	4.7000A	206
VENTILATING SYSTEM	4.8000A	250
FRESH WATER PUMP	5.1000	150
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	342
WATER CONNECTIONS	5.3000B	211
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	177
BATTERY CHARGING GENERATOR	7.1000A	811
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	540
ENGINE MOUNTS	11.1000A	410

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	51
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	47
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	102
AIR SILENCER	3.2000A	27
AIR INLET HOUSING	3.3000A	230
BLOWER	3.4000	63
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B.	221
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	108
OIL COOLER	4.4000A	316
OIL FILLER	4.5000A	45
DIPSTICK	4.6000A	186
OIL PAN	4.7000A	206
VENTILATING SYSTEM	4.8000A	250
FRESH WATER PUMP	5.1000	61
THERMOSTAT THRU 4D-4723	5.2000B	88
THERMOSTAT EFF. WITH 4D-4724, STD. EQUIP. PRIOR TO 4D-11194	5.2000B	105
THERMOSTAT	5.2000B	123
WATER BY-PASS TUBE	5.2000C	167
EXHAUST MANIFOLD	6.1000A	126
EXHAUST MUFFLER FLANGE	6.2000A	176
BATTERY CHARGING GENERATOR	7.1000A	811
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	540
ENGINE MOUNTS	11.1000A	410

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	38
AIR BOX DRAINS	1.1000A	49
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	51
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON	1.6000	94
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	59
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	80
FUEL PUMP THRU 4D-78175	2.2000	47
FUEL PUMP EFF. WITH 4D-78176	2.2000	137
FUEL FILTER	2.3000A	223
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	491
MECHANICAL GOVERNOR	2.7000A	891
INJECTOR CONTROLS	2.9000	102
THROTTLE CONTROLS	2.9000A	476
AIR SILENCER	3.2000A	38
AIR INLET HOUSING	3.3000A	354
BLOWER THRU 4D-40305	3.4000	63
BLOWER EFF. WITH 4D-40306	3.4000	139
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	111
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM THRU 4D-29138	4.1000B	334
OIL DISTRIBUTION SYSTEM EFF. WITH 4D-29139	4.1000B	221
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER (ENGINE)	4.4000A	316
OIL COOLER (MARINE GEAR)	4.4000A	491
OIL FILLER	4.5000A	45
DIPSTICK THRU 4D-29138	4.6000A	186
DIPSTICK EFF. WITH 4D-29139	4.6000A	549
OIL PAN THRU 4D-29138	4.7000A	406
OIL PAN EFF. WITH 4D-29139	4.7000A	486
VENTILATING SYSTEM	4.8000A	463
FRESH WATER PUMP	5.1000	150
THERMOSTAT	5.2000B	166
WATER BY-PASS TUBE	5.2000C	349
WATER CONNECTIONS	5.3000B	261
HEAT EXCHANGER	5.5000A	396
RAW WATER PUMP	5.6000A	48
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	340
BATTERY CHARGING GENERATOR	7.1000A	811
STARTING MOTOR	7.3000A	255
HYDRAULIC MARINE GEAR	9.1000A	772
ENGINE MOUNTS	11.1000A	553

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	30
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS THRU 4D-11689	1.1000A	63
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	25
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	25
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	167
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-78175	2.2000	34
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	136
FUEL PUMP EFF. WITH 4D-172167	2.2000	178
FUEL FILTER THRU 4D-175673	2.3000A	157
FUEL FILTER EFF. WITH 4D-175674	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-159163	2.9000	90
INJECTOR CONTROLS EFF. WITH 4D-159164 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	282
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	317
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 4D-200700	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 4D-66996	5.1000	39
FRESH WATER PUMP EFF. WITH 4D-66997 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.1000	146
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW STD. EQUIP. PRIOR TO 4D-66996	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE THRU 4D-66996	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66997	5.2000C	318
WATER BY-PASS TUBE	5.2000C	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	57
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	402
FLYWHEEL HOUSING	1.5000A	388
CONNECTING ROD AND PISTON	1.6000	77
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	40
FUEL INJECTOR STD. EQUIP. PRIOR TO 4D-92156	2.1000A	74
FUEL PUMP THRU 4D-78175	2.2000	60
FUEL PUMP EFF. WITH 4D-78176	2.2000	147
FUEL FILTER	2.3000A	229
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	561
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 4D-82336	2.7000A	605
INJECTOR CONTROLS	2.9000	90
THROTTLE CONTROLS	2.9000A	558
AIR INLET HOUSING	3.3000A	142
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (CUSTOMER FURNISHED)	4.2000A	NONE
OIL FILTER LINES THRU 4D-21622	4.3000A	98
OIL FILTER LINES EFF. WITH 4D-21623	4.3000A	140
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	261
OIL PAN THRU 4D-77320	4.7000A	157
OIL PAN EFF. WITH 4D-77321	4.7000A	591
VENTILATING SYSTEM	4.8000A	222
FRESH WATER PUMP THRU 4D-66741	5.1000	70
FRESH WATER PUMP EFF. WITH 4D-66742	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	91
WATER BY-PASS TUBE THRU 4D-66741	5.2000C	182
WATER BY-PASS TUBE EFF. WITH 4D-66742	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	223
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
STARTING MOTOR	7.3000A	213
TACHOMETER DRIVE THRU 4D-22699	7.4000B	200
TACHOMETER DRIVE EFF. WITH 4D-22700 AND THRU 4D-59470	7.4000B	401
TACHOMETER DRIVE EFF. WITH 4D-59471	7.4000B	280
ENGINE MOUNTS THRU 4D-107448	11.1000A	420

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	145
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	108
CRANKSHAFT THRU 4D-173283	1.3000	21
CRANKSHAFT EFF. WITH 4D-173284	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	196
FLYWHEEL	1.4000A	862
FLYWHEEL HOUSING	1.5000A	534
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	137
VALVE OPERATING MECHANISM	1.8000	122
ROCKER COVER	1.8000A	311
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-172166	2.2000	167
FUEL PUMP EFF. WITH 4D-172167	2.2000	178
FUEL FILTER	2.3000A	688
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1519
MECHANICAL GOVERNOR	2.7000A	1707
INJECTOR CONTROLS THRU 4D-159163	2.9000	90
INJECTOR CONTROLS EFF. WITH 4D-159164	2.9000	282
THROTTLE CONTROLS	2.9000A	483
AIR INLET HOUSING	3.3000A	596
BLOWER	3.4000	234
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	354
OIL COOLER THRU 4D-173283	4.4000A	226
OIL COOLER EFF. WITH 4D-173284	4.4000A	849
OIL FILLER CAP	4.5000A	122
DIPSTICK	4.6000A	828
OIL PAN	4.7000A	652
VENTILATING SYSTEM	4.8000A	716
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	1053
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	1946
STARTING MOTOR	7.3000A	180
TACHOMETER DRIVE	7.4000B	226
ENGINE MOUNTS	11.1000A	370

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	145
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	98
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	137
VALVE OPERATING MECHANISM	1.8000	122
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	282
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	234
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTION	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
CLUTCH HOUSING	8.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
AIR BOX DRAINS THRU 4D-11690	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11691	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-1960	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	185
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000	27
CONNECTING ROD AND PISTON EFF. WITH 4D-14986	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	186
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	186
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	41
FUEL INJECTOR 45 THRU 4D-1609	2.1000A	40
FUEL INJECTOR S45 EFF. WITH 4D-1610	2.1000A	52
FUEL INJECTOR STD. EQUIP. PRIOR TO 4D-92156	2.1000A	76
FUEL PUMP THRU 4D-78175	2.2000	34
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	136
FUEL PUMP EFF. WITH 4D-172167	2.2000	178
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	900
MECHANICAL GOVERNOR	2.7000A	597
INJECTOR CONTROLS THRU 4D-159163	2.9000	90
INJECTOR CONTROLS EFF. WITH 4D-159164	2.9000	282
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	597
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
BLOWER EFF. WITH 4D-180939	3.4000	317
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	196
FRESH WATER PUMP THRU 4D-66634	5.1000	39
FRESH WATER PUMP EFF. WITH 4D-66635	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 4D-66634	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66635	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	1778
STARTING MOTOR	7.3000A	302
INSTRUMENTS	7.4000A	372

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-904	1.3000C	111
CRANKSHAFT PULLEY BELT STD. EQUIP. PRIOR TO 4D-029	1.3000D	176
FLYWHEEL	1.4000A	294
FLYWHEEL HOUSING THRU 4D-17433	1.5000A	175
FLYWHEEL HOUSING EFF. WITH 4D-17434	1.5000A	345
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000	27
CONNECTING ROD AND PISTON EFF WITH 4D-14986	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	186
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	186
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	40
FUEL INJECTOR THRU 4D-1608	2.1000A	40
FUEL INJECTOR EFF. WITH 4D-1609 STD. EQUIP. PRIOR TO 4D-92156	2.1000A	52
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-78175	2.2000	34
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	136
FUEL PUMP EFF. WITH 4D-172167	2.2000	178
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	357
MECHANICAL GOVERNOR VARIABLE, THRU 4D-6000	2.7000A	510
MECHANICAL GOVERNOR, VARIABLE, EFF. WITH 4D-6001 STD. EQUIP. PRIOR TO 4D-82397	2.7000A	1699
INJECTOR CONTROLS THRU 4D-159163	2.9000	90
INJECTOR CONTROLS EFF. WITH 4D-159164	2.9000	282
AIR INLET HOUSING	3.3000A	597
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
BLOWER EFF. WITH 4D-180939	3.4000	317
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM THRU 4D-1002	4.1000B	166
OIL DISTRIBUTION SYSTEM EFF. WITH 4D-1003	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-21283	4.2000A	108
OIL FILTER EFF. WITH 4D-21284	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	44
DIPSTICK THRU 4D-1483	4.6000A	107
DIPSTICK EFF. WITH 4D-1484 AND THRU 4D-6813	4.6000A	168
DIPSTICK EFF. WITH 4D-6814	4.6000A	261
OIL PAN THRU 4D-1002	4.7000A	106
OIL PAN EFF. WITH 4D-1003 AND THRU 4D-77320	4.7000A	145
OIL PAN EFF. WITH 4D-77321	4.7000A	591
VENTILATING SYSTEM	4.8000A	197
FRESH WATER PUMP	5.1000	38
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
WATER CONNECTIONS	5.3000B	117
FAN STD. EQUIP. PRIOR TO 4D-030	5.4000A	310
EXHAUST MANIFOLD THRU 4D-140	6.1000A	119
EXHAUST MANIFOLD EFF. WITH 4D-141 AND THRU 4D-519	6.1000A	134
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 4D-520	6.1000A	218
EXHAUST MUFFLER (GASKET ONLY)	6.2000A	255

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
BATTERY CHARGING GENERATOR 12V., 25 AMP., CCW THRU 4D-3714	7.1000A	590
BATTERY CHARGING GENERATOR 12V., 25 AMP., CCW EFF. WITH 4D-3715 AND THRU 4D-74631	7.1000A	816
BATTERY CHARGING GENERATOR 12V., 42 AMP., CCW STD. EQUIP. PRIOR TO 4D-74632	7.1000A	2157
STARTING MOTOR THRU 4D-12899	7.3000A	170
STARTING MOTOR EFF. WITH 4D-12900	7.3000A	255
INSTRUMENTS STD. EQUIP. PRIOR TO 4D-113256	7.4000A	371
TACHOMETER DRIVE	7.4000B	507
SHUT-OFF SYSTEM STD. EQUIP. PRIOR TO 4D-030	7.4000C	352
ENGINE MOUNTS	11.1000A	306

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	402
FLYWHEEL HOUSING	1.5000A	213
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	40
FUEL INJECTOR THRU 4D-1608	2.1000A	40
FUEL INJECTOR EFF. WITH 4D-1609	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	229
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-6118	2.5000A	498
FUEL LINES EFF. WITH 4D-6119	2.5000A	561
MECHANICAL GOVERNOR THRU 4D-3999	2.7000A	562
MECHANICAL GOVERNOR EFF. WITH 4D-4000	2.7000A	605
INJECTOR CONTROLS	2.9000	90
THROTTLE CONTROLS	2.9000A	558
AIR INLET HOUSING	3.3000A	142
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER LINES	4.3000A	98
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	44
DIPSTICK THRU 4D-6762	4.6000A	168
DIPSTICK EFF. WITH 4D-6763	4.6000A	261
OIL PAN	4.7000A	157
VENTILATING SYSTEM	4.8000A	222
FRESH WATER PUMP THRU 4D-6118	5.1000	39
FRESH WATER PUMP EFF. WITH 4D-6119	5.1000	70
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	91
WATER BY-PASS TUBE THRU 4D-6118	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-6119	5.2000C	182
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD THRU 4D-9739	6.1000A	166
EXHAUST MANIFOLD EFF. WITH 4D-9740	6.1000A	223
EXHAUST MUFFLER CONNECTIONS THRU 4D-9739	6.2000A	17
EXHAUST MUFFLER CONNECTIONS EFF. WITH 4D-9740	6.2000A	243
STARTING MOTOR	7.3000A	213
TACHOMETER DRIVE	7.4000B	289

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET THRU 4D-115677	1.2000A	30
ENGINE LIFTER BRACKET EFF. WITH 4D-115678	1.2000A	175
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	294
FLYWHEEL HOUSING	1.5000A	345
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE AND INJECTOR OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	40
FUEL INJECTOR STD. EQUIP. PRIOR TO 4D-92156	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER	2.3000A	575
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1209
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 4D-106740	2.7000A	604
INJECTOR CONTROLS	2.9000	192
AIR INLET HOUSING	3.3000A	156
BLOWER	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	145
VENTILATING SYSTEM	4.8000A	197
FRESH WATER PUMP	5.1000	152
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	325
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	310
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	255
BATTERY CHARGING GENERATOR STD. EQUIP. PRIOR TO 4D-82271	7.1000A	1693
STARTING MOTOR THRU 4D-89928	7.3000A	212
STARTING MOTOR EFF. WITH 4D-89929 AND THRU 4D-91597	7.3000A	297
STARTING MOTOR EFF. WITH 4D-91598	7.3000A	298
TACHOMETER DRIVE THRU 4D-90094	7.4000B	507
TACHOMETER DRIVE EFF. WITH 4D-90095	7.4000B	547
AUTOMATIC SHUTDOWN	7.4000C	869
OVERSPEED GOVERNOR	7.4000C	568
COLD WEATHER STARTING AID	12.6000C	45

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS PRIOR TO 4D-11690	1.1000A	32
AIR BOX DRAINS EFFECTIVE WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET (OPTIONAL EQUIP. EFF. WITH 4D-14227, STANDARD EQUIP. NOT SHOWN ON OPTION PLATE PRIOR TO THIS SERIAL NUMBER.)	1.2000A	30
ENGINE LIFTER BRACKET (USE WITH RADIATOR SHEEL & SHORT HOODS)	1.2000A	42
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER (NO AIR COMPRESSOR OR VACUUM PUMP)	1.3000A	48
CRANKSHAFT FRONT COVER (WITH AIR COMPRESSOR OR VACUUM PUMP)	1.3000A	57
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT (WITH 1:1 RATIO FAN)	1.3000D	176
CRANKSHAFT PULLEY BELT (WITH 1.25:1 RATIO FAN)	1.3000D	91
FLYWHEEL (DELCO POWER GENERATOR)	1.4000A	331
FLYWHEEL (TWIN DISC PTO C-110 HP2)	1.4000A	340
FLYWHEEL (TWIN DISC CLUTCH C111 OR ROCKFORD PTA 31120)	1.4000A	325
FLYWHEEL (LIPE ROLLWAY 13 ML CLUTCH)	1.4000A	326
FLYWHEEL (10" CLUTCH)	1.4000A	327
FLYWHEEL (ROCKFORD 14" TT CLUTCH)	1.4000A	328
FLYWHEEL (ALLISON CRT 3331 OR TC 300)	1.4000A	336
FLYWHEEL (ROCKFORD 11" TT CLUTCH)	1.4000A	324
FLYWHEEL (8" CLUTCH)	1.4000A	297
FLYWHEEL (10" CLUTCH, DETROIT DIESEL PTO)	1.4000A	305
FLYWHEEL (10" CLUTCH)	1.4000A	296
FLYWHEEL HOUSING	1.5000A	177
FLYWHEEL HOUSING	1.5000A	345
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
ACCESSORY DRIVE (DOUBLE GROOVE PULLEY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	1.7000B	60
VALVE OPERATING MECHANISM	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111	1.8000	122
ROCKER COVER (PLAIN)	1.8000A	40
ROCKER COVER (WITH OIL FILLER HOLE)	1.8000A	41
FUEL INJECTOR	2.1000A	51
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	34
FUEL FILTER (WITH ENGINE OIL COOLER)	2.3000A	157
FUEL FILTER (WITH ENGINE AND TORQUE CONVERTER OIL COOLER)	2.3000A	188
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES (WITH ENGINE OIL COOLER)	2.5000A	427
FUEL LINES (WITH ENGINE AND TORQUE CONVERTER OIL COOLER)	2.5000A	673
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	602
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE)	2.7000A	597
GOVERNOR - MECHANICAL (LIMITING SPEED)	2.7000A	589
INJECTOR CONTROL TUBE	2.9000	90
THROTTLE CONTROLS (WITH CLOSED LINKAGE GOVERNOR)	2.9000A	603
THROTTLE CONTROLS (WITH OPEN LINKAGE GOVERNOR)	2.9000A	504
AIR CLEANER (LIGHT DUTY, 11") (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	198
AIR CLEANER (LIGHT DUTY, 12") (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	150
AIR CLEANER (LIGHT DUTY, DUAL) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	149
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	142
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFFECTIVE WITH 4D-36457	3.4000	115
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM (10 DEG. INCLINED OPERATION)	4.1000B	196
OIL DISTRIBUTION SYSTEM (20 DEG. INCLINED OPERATION)	4.1000B	213
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER (MOUNTED ON OIL COOLER ADAPTOR)	4.2000A	227
OIL FILTER (REMOTE MOUNTED)	4.2000A	130

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
OIL FILTER LINES (ADAPTOR ONLY)	4.3000A	131
OIL COOLER (ENGINE OIL)	4.4000A	226
OIL COOLER (ENGINE AND TORQUE CONVERTER OIL)	4.4000A	268
OIL FILLER (ON ROCKER COVER)	4.5000A	18
OIL FILLER (ON BREATHER)	4.5000A	44
DIPSTICK (10 DEG. INCLINED OPERATION)	4.6000A	261
DIPSTICK (20 DEG. INCLINED OPERATION, WITH 8.42" GUIDE)	4.6000A	384
DIPSTICK (20 DEG. INCLINED OPERATION, WITH 6" GUIDE)	4.6000A	258
OIL PAN (10 DEG. INCLINED OPERATION, STAMPED)	4.7000A	145
OIL PAN (20 DEG. INCLINED OPERATION, CAST)	4.7000A	247
VENTILATING SYSTEM (PLAIN)	4.8000A	196
VENTILATING SYSTEM (WITH OIL FILLER HOLE)	4.8000A	222
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW (VERTICAL OUTLET)	5.2000A	67
WATER OUTLET ELBOW (HORIZONTAL OUTLET)	5.2000A	70
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
RADIATOR (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.3000A	80
RADIATOR (CORE ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	5.3000A	100
WATER CONNECTIONS (NO RADIATOR CONNECTIONS, WITH MANUAL OR NO SHUTDOWN)	5.3000B	117
WATER CONNECTIONS (WITH RADIATOR CONNECTIONS, WITH MANUAL OR NO SHUTDOWN)	5.3000B	135
WATER CONNECTIONS (NO RADIATOR CONNECTIONS, WITH MECHANICAL SHUTDOWN)	5.3000B	122
WATER CONNECTIONS (WITH RADIATOR CONNECTIONS, WITH MECHANICAL SHUTDOWN)	5.3000B	136
FAN (SUCTION, 22" - 5 BLADE, 1:1 RATIO)	5.4000A	276
FAN (BLOWER, 22" - 5 BLADE, 1:1 RATIO)	5.4000A	280
FAN (SUCTION, 22" - 5 BLADE, 1.25:1 RATIO)	5.4000A	277
FAN (BLOWER, 22" - 5 BLADE, 1.25:1 RATIO)	5.4000A	278
EXHAUST MANIFOLD (WITH MECHANICAL SHUTDOWN, VERTICAL CENTER OUTLET)	6.1000A	224
EXHAUST MANIFOLD (WITH MANUAL OR NO SHUTDOWN, VERTICAL CENTER OUTLET)	6.1000A	218
EXHAUST MANIFOLD (WITH MANUAL OR NO SHUTDOWN, HORIZONTAL CENTER OUTLET)	6.1000A	179
EXHAUST MUFFLER CONNECTIONS (3" PIPE THREAD)	6.2000A	243
EXHAUST MUFFLER (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	6.2000A	185
BATTERY CHARGING GENERATOR (12V., 25 AMP.)	7.1000A	816
STARTING MOTOR (12V.)	7.3000A	255
INSTRUMENT PANEL (5' CAPILLARY TUBE)	7.4000A	372
INSTRUMENT PANEL (10' CAPILLARY TUBE)	7.4000A	373
INSTRUMENT PANEL (15' CAPILLARY TUBE)	7.4000A	374
INSTRUMENT PANEL (TACHOMETER ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.40 00A	390
TACHOMETER DRIVE (DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE)	7.4000B	189
TACHOMETER DRIVE (DRIVEN FROM GOVERNOR SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	181
TACHOMETER DRIVE (NO OIL SEAL, DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	199
TACHOMETER DRIVE (WITH OIL SEAL, DRIVEN FROM BALANCER SHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	201
TACHOMETER DRIVE (DRIVEN FROM CAMSHAFT, CHANGES ROTATION) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	202
OVERSPEED GOVERNOR	7.4000C	635
POWER TAKE-OFF (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	8.1000A	180
ENGINE HOODS	10.1000A	NONE
ENGINE MOUNTING (FRONT ONLY, STATIONARY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	306
ENGINE MOUNTING (FRONT ONLY, LIGHT DUTY TRUNNION) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	446
ENGINE MOUNTING (FRONT ONLY, LIGHT DUTY TRUNNION) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	430
COLD WEATHER STARTING AID (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000C	3

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	25
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	48
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000	27
CONNECTING ROD AND PISTON EFF. WITH 4D-14986 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-78175	2.2000	34
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	136
FUEL PUMP EFF. WITH 4D-172167	2.2000	178
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-159163	2.9000	90
INJECTOR CONTROLS EFF. WITH 4D-159164	2.9000	282
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	115
BLOWER EFF. WITH 4D-180939	3.4000	317
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 4D-66996	5.1000	39
FRESH WATER PUMP EFF. WITH 4D-66997	5.1000	146
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 4D-66996	5.2000A	•
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 4D-66996	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66997	5.2000C	318
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	57
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	402
FLYWHEEL HOUSING THRU 4D-22684	1.5000A	213
FLYWHEEL HOUSING EFF. WITH 4D-22685	1.5000A	388
CONNECTING ROD AND PISTON THRU 4D-21258	1.6000	66
CONNECTING ROD AND PISTON EFF. WITH 4D-21259	1.6000	77
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	47
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	60
FUEL FILTER	2.3000A	229
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	561
MECHANICAL GOVERNOR	2.7000A	605
INJECTOR CONTROLS	2.9000	90
THROTTLE CONTROLS	2.9000A	558
AIR INLET HOUSING	3.3000A	142
BLOWER THRU 4D-36456	3.4000	62
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER LINES THRU 4D-21622	4.3000A	98
OIL FILTER LINES EFF. WITH 4D-21623	4.3000A	140
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	44
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	157
VENTILATING SYSTEM	4.8000A	222
FRESH WATER PUMP	5.1000	70
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	91
WATER BY-PASS TUBE	5.2000C	182
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD THRU 4D-10166	6.1000A	166
EXHAUST MANIFOLD EFF. WITH 4D-10167	6.1000A	223
EXHAUST MUFFLER CONNECTIONS THRU 4D-10166	6.2000A	17
EXHAUST MUFFLER CONNECTIONS EFF. WITH 4D-10167	6.2000A	243
STARTING MOTOR	7.3000A	213
TACHOMETER DRIVE	7.4000B	200

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	164
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	131
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	180
CAMSHAFT AND GEAR TRAIN	1.7000	153
VALVE OPERATING MECHANISM	1.8000	62
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	169
FUEL FILTER	2.3000A	181
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1467
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	270
AIR INLET HOUSING	3.3000A	574
BLOWER	3.4000	273
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
AIR COMPRESSOR	12.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	30
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	1.2000A	30
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000	21
CRANKSHAFT	1.3000	•
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-106207 AND THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	119
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	284
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	319
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	172
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	30
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	25
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939 STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	269
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	167
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-173135	2.2000	127
FUEL PUMP EFF.WITH 4D-173136	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	284
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000A	52
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	9
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	70
CRANKSHAFT FRONT COVER THRU 4D-200699	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	98
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	138
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-211727	1.7000A	58
BALANCE WEIGHT COVER EFF. WITH 4D-211728	1.7000A	53
VALVE OPERATING MECHANISM THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-173135	2.2000	127
FUEL PUMP EFF. WITH 4D-173136	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	284
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 4D-200699	4.1000C	009
OIL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILTER LINES	4.3000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	275
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	117
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-200699	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-211727	1.7000A	58
BALANCE WEIGHT COVER EFF. WITH 4D-211728	1.7000A	53
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 4D-200699	4.1000C	9
OIL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET THRU 4D-113987	1.2000A	30
ENGINE LIFTER BRACKET EFF. WITH 4D-113988	1.2000A	175
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-124752	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-124753	1.3000A	119
FLYWHEEL STD. EQUIP. PRIOR TO 4D-85205	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER THRU 4D-175673	2.3000A	157
FUEL FILTER EFF. WITH 4D-175674	2.3000A	720
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	361
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	284
AIR INLET HOUSING THRU 4D-158258	3.3000A	141
AIR INLET HOUSING EFF. WITH 4D-158259 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPT. PLATE	3.3000A	596
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-180938	4.2000A	227
OIL FILTER EFF. WITH 4D-180939	4.2000A	413
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 4D-95005	4.8000A	•
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	NONE
EXHAUST MANIFOLD	6.1000A	218
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	116
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-200699	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000C	111
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000D	91
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.4000A	744
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.5000A	454
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	138
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
BALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-211727	1.7000A	58
BALANCE WEIGHT COVER EFF. WITH 4D-211728	1.7000A	53
VALVE OPERATING MECHANISM THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	176
ROCKER COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000A	40
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-172166	2.2000	152
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL PUMP AUXILIARY	2.2000	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
HYDRAULIC GOVERNOR	2.8000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	224
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000A	856
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.1000A	355
AIR CLEANER	3.1000A	•
AIR INLET HOUSING STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	514
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	250
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 4D-200699	4.1000C	009
OIL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
OIL FILTER THRU 4D-180939	4.2000A	313
OIL FILTER EFF. WITH 4D-180940 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.2000A	425
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	226
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	777
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	626
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	151
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000A	67
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	382
WATER BY-PASS TUBE	5.2000C	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
WATER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.3000B	117
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	224
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.3000A	299
STARTING MOTOR	7.3000A	•
SHUT-OFF OR ALARM SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	7.4000C	918
SHUT-OFF OR ALARM SYSTEM	7.4000C	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	145
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	46
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	862
FLYWHEEL HOUSING	1.5000A	534
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	139
VALVE OPERATING MECHANISM	1.8000	122
ROCKER COVER	1.8000A	77
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	127
FUEL FILTER	2.3000A	188
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	411
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	120
AIR INLET HOUSING	3.3000A	596
BLOWER	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	224
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	716
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	102
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	1041
EXHAUST MANIFOLD	6.1000A	218
BATTERY CHARGING GENERATOR	7.1000A	1947
STARTING MOTOR	7.3000A	180
TACHOMETER DRIVE	7.4000B	226

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	163
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	138
VALVE OPERATING MECHANISM	1.8000	122
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	76
FUEL PUMP EFF. THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	687
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1518
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	284
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	141
BLOWER	3.4000	235
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	350
OIL COOLER	4.4000A	849
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	1948
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 4D-203934	1.2000A	175
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-132578	1.3000A	59
CRANKSHAFT FRONT COVER EFF. WITH 4D-132579 AND THRU 4D-200699	1.3000A	125
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	334
FLYWHEEL HOUSING THRU 4D-201961	1.5000A	491
FLYWHEEL HOUSING EFF. WITH 4D-201962, STD. EQUIP. THRU 4D-204464	1.5000A	647
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO 4D-199015	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	272
BALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-211727	1.7000A	60
BALANCE WEIGHT COVER EFF. WITH 4D-211728	1.7000A	53
VALVE OPERATING MECHANISM THRU 4D-180938	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	163
ROCKER COVER	1.8000A	167
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-172166	2.2000	152
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	853
MECHANICAL GOVERNOR	2.7000A	1708
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695; STD. EQUIP. PRIOR TO 4D-204678	2.9000	284
THROTTLE CONTROLS STD. EQUIP. PRIOR TO 4D-204614	2.9000A	595
AIR CLEANER	3.1000A	340
AIR INLET HOUSING	3.3000A	596
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 4D-106733	4.1000B	236
OIL PRESSURE REGULATOR THRU 4D-200699	4.1000C	9
OIL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
OIL FILTER	4.2000A	130
OIL FILTER LINES	4.3000A	131
OIL COOLER	4.4000A	806
OIL FILLER	4.5000A	95
DIPSTICK	4.6000A	756
OIL PAN STD. EQUIP. PRIOR TO 4D-106733	4.7000A	492
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	491
FRESH WATER PUMP THRU 4D-88302	5.1000	155
FRESH WATER PUMP EFF. WITH 4D-88303 AND STD. EQUIP. PRIOR TO 4D-118187	5.1000	180
WATER OUTLET MANIFOLD THRU 4D-25723	5.2000A	99
WATER OUTLET MANIFOLD EFF. WITH 4D-25724; STD. EQUIP. PRIOR TO 4D-204634	5.2000A	93
THERMOSTAT STD. EQUIP. PRIOR TO 4D-204603	5.2000B	72
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO 4D-204634	5.2000C	346
WATER CONNECTIONS STD. EQUIP. PRIOR TO 4D-204582	5.3000B	278
FAN	5.4000A	280
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 4D-204634	6.1000A	218
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO 4D-204614	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	1734
STARTING MOTOR	7.3000A	297
ENGINE MOUNTS	11.1000A	430
COLD WEATHER STARTING AID STD. EQUIP. PRIOR TO 4D-110070	12.6000C	56

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11690	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11691	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-106207 AND THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-184	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000	27
CONNECTING ROD AND PISTON EFF. WITH 4D-14986	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	41
FUEL INJECTOR EFF. WITH 4D-1610	2.1000A	40
FUEL INJECTOR EFF. WITH 4D-1610	2.1000A	52
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	361
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	284
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	596
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP THRU 4D-66634	5.1000	38
FRESH WATER PUMP EFF. WITH 4D-66635	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 4D-66634	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66635	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	2061
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	331
FLYWHEEL HOUSING	1.5000A	379
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. ITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	361
HYDRAULIC GOVERNOR	2.8000A	998
AIR INLET HOUSING	3.3000A	141
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	152
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	325
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	278
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	298
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-124752	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-124753	1.3000A	119
FLYWHEEL STD. EQUIP. PRIOR TO 4D-85205	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	187
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	361
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	284
AIR INLET HOUSING THRU 4D-158258	3.3000A	141
AIR INLET HOUSING EFF. WITH 4D-158259 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.3000A	596
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 4D-95001	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
EXHAUST MANIFOLD	6.1000A	218
STARTING MOTOR	7.3000A	174

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	123
ENGINE LIFTER BRACKET	1.2000A	148
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	744
FLYWHEEL HOUSING	1.5000A	454
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	188
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	188
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	172
ROCKER COVER	1.8000A	40
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-172166	2.2000	152
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL PUMP AUXILIARY	2.2000	162
FUEL MANIFOLD CONNECTIONS	2.4000	48
HYDRAULIC GOVERNOR	2.8000A	1026
INJECTOR CONTROLS	2.9000	224
THROTTLE CONTROLS	2.9000A	856
AIR CLEANER ADAPTOR	3.1000A	355
AIR INLET HOUSING	3.3000A	514
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	430
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	313
OIL COOLER	4.4000A	226
OIL FILLER STD. EQUIP. PRIOR TO 4D-29378	4.5000A	50
DIPSTICK	4.6000A	777
OIL PAN	4.7000A	626
VENTILATING SYSTEM	4.8000A	675
FRESH WATER PUMP	5.1000	151
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	382
WATER CONNECTIONS	5.3000B	117
FAN STD. EQUIP. PRIOR TO 4D-135404	5.4000A	479
EXHAUST MANIFOLD	6.1000A	224
STARTING MOTOR	7.3000A	299
AUTOMATIC SHUTDOWN	7.4000C	918

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	91
FLYWHEEL	1.4000A	328
FLYWHEEL HOUSING	1.5000A	491
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	85
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
ACCESSORY DRIVE	1.7000B	218
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OEPRATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	63
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. ITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	188
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	411
MECHANICAL GOVERNOR	2.7000A	1708
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	284
THROTTLE CONTROLS	2.9000A	595
AIR INLET HOUSING	3.3000A	596
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	392
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	384
OIL PAN	4.7000A	410
VENTILATING SYSTEM	4.8000A	246
FRESH WATER PUMP	5.1000	146
WATER OUTLET MANIFOLD	5.2000A	102
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	157
FAN	5.4000A	278
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	2064
STARTING MOTOR	7.3000A	188

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-106207 AND THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-2886	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	296
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	269
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111	1.8000	122
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	361
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 4D-156694	2.9000	120
INJECTOR CONTROLS EFF. WITH 4D-156695	2.9000	284
THROTTLE CONTROLS	2.9000A	504
AIR INLET HOUSING	3.3000A	596
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	117
FAN	5.4000A	276
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	2061
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	372

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	69
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	86
ENGINE LIFTER BRACKET	1.2000A	30
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	131
CRANKSHAFT PULLEY BELT	1.3000D	229
FLYWHEEL	1.4000A	493
FLYWHEEL HOUSING THRU 4D-87483	1.5000A	344
FLYWHEEL HOUSING EFF. WITH 4D-87484	1.5000A	491
CONNECTING ROD AND PISTON	1.6000	80
CAMSHAFT AND GEAR TRAIN	1.7000	85
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	167
FUEL INJECTOR	2.1000A	87
FUEL PUMP THRU 4D-78175	2.2000	75
FUEL PUMP EFF. WITH 4D-78176	2.2000	158
FUEL PUMP, AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	403
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	873
MECHANICAL GOVERNOR THRU 4D-52614	2.7000A	601
MECHANICAL GOVERNOR EFF. WITH 4D-52615 AND THRU 4D-60435	2.7000A	665
MECHANICAL GOVERNOR EFF. WITH 4D-60436, STD. EQUIP. PRIOR TO 4D-81927	2.7000A	1122
INJECTOR CONTROLS	2.9000	91
THROTTLE CONTROLS	2.9000A	595
AIR CLEANER	3.1000A	211
AIR INLET HOUSING	3.3000A	141
BLOWER	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	236
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	130
OIL FILTER LINES EFF. WITH 4D-81661	4.3000A	131
OIL COOLER	4.4000A	444
OIL FILLER	4.5000A	95
DIPSTICK	4.6000A	580
OIL PAN	4.7000A	492
VENTILATING SYSTEM	4.8000A	491
FRESH WATER PUMP THRU 4D-66996	5.1000	129
FRESH WATER PUMP EFF. WITH 4D-66997	5.1000	146
WATER OUTLET ELBOW	5.2000A	99
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 4D-66996	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66997	5.2000C	318
WATER CONNECTIONS	5.3000B	278
FAN	5.4000A	280
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	1269
STARTING MOTOR	7.3000A	243
INSTRUMENTS	7.4000A	759
TACHOMETER DRIVE	7.4000B	454
POWER TAKE-OFF ADAPTOR	8.1000A	271
ENGINE MOUNTS	11.1000A	430
COLD WEATHER STARTING AID	12.6000C	45

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 4D-75730	1.1000	91
CYLINDER BLOCK EFF. WITH 4D-75731	1.1000	30
AIR BOX DRAINS	1.1000A	78
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO 4D-106207 AND THRU 4D-115677	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-115678	1.3000A	119
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-157398	2.9000	102
INJECTOR CONTROLS EFF. WITH 4D-157399 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	286
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 4D-200700	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
INSTRUMENTS	7.4000A	•

•STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	175
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	119
FLYWHEEL	1.4000A	378
FLYWHEEL HOUSING	1.5000A	178
CONNECTING ROD AND PISTON	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	177
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	NONE
MECHANICAL GOVERNOR	2.7000A	1710
INJECTOR CONTROLS THRU 4D-157398	2.9000	102
INJECTOR CONTROLS EFF. WITH 4D-157399	2.9000	286
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM THRU 4D-163133	4.1000B	196
OIL DISTRIBUTION SYSTEM EFF. WITH 4D-163134	4.1000B	213
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK THRU 4D-163133	4.6000A	261
DIPSTICK EFF. WITH 4D-163134	4.6000A	281
OIL PAN THRU 4D-163133	4.7000A	591
OIL PAN EFF. WITH 4D-163134	4.7000A	535
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	145
WATER OUTLET MANIFOLD	5.2000A	102
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	318
WATER CONNECTIONS	5.3000B	135
STARTING MOTOR	7.3000A	174
TACHOMETER DRIVE	7.4000C	280
HYDRAULIC MARINE GEAR	9.1000A	926
ENGINE MOUNTING	11.1000A	506

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	147
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	131
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 4D-132707	1.3000	21
CRANKSHAFT EFF. WITH 4D-132708	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 4D-141552	1.6000	172
CONNECTING ROD AND PISTON EFF. WITH 4D-141553 AND THRU 4D-181763	1.6000	180
CONNECTING ROD AND PISTON EFF. WITH 4D-181764, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	206
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	153
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.7000	427
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 4D-180938	1.8000	62
VALVE OPERATING MECHANISM EFF. WITH 4D-180939, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	180
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	180
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.4000	48
FUEL MANIFOLD CONNECTIONS	2.4000	•
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 4D-132707	2.9000	102
INJECTOR CONTROLS EFF. WITH 4D-132708 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	267
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	236
BLOWER EFF. WITH 4D-180939 AND THRU 4D-204948	3.4000	336
BLOWER EFF. WITH 4D-204949	3.4000	437
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 4D-200699	4.1000A	143
OIL PUMP EFF. WITH 4D-200700	4.1000A	162
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 4D-200700	4.1000C	9
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	147
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	131
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	180
CAMSHAFT AND GEAR TRAIN	1.7000	153
VALVE OPERATING MECHANISM	1.8000	62
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	180
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	267
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	236
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	374
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000A	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
AIR COMPRESSOR	12.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO 6D-210092	1.1000	147
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	131
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 4D-204432	1.2000A	203
CRANKSHAFT	1.3000	68
CRANKSHAFT FRONT COVER THRU 4D-200699	1.3000A	121
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	113
FLYWHEEL	1.4000A	803
FLYWHEEL HOUSING	1.5000A	348
CONNECTING ROD AND PISTON THRU 4D-181763	1.6000	205
CONNECTING ROD AND PISTON EFF. WITH 4D-181764 AND STD. EQUIP. PRIOR TO 4D-199015	1.6000	208
CONNECTING ROD AND PISTON	1.6000	206
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	153
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	427
BALANCE WEIGHT COVER EFF. WITH 4D-200700 AND THRU 4D-205775	1.7000A	63
BALANCE WEIGHT COVER EFF. WITH 4D-205775	1.7000A	53
VALVE OPERATING MECHANISM THRU 4D-180938	1.8000	62
VALVE OPERATING MECHANISM EFF. WITH 4D-180939 STD. EQUIP. PRIOR TO 6D-210092	1.8000	180
ROCKER COVER STD. EQUIP. PRIOR TO 4D-204614	1.8000A	301
FUEL INJECTOR	2.1000A	161
FUEL PUMP	2.2000	180
FUEL FILTER	2.3000A	651
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1439
MECHANICAL GOVERNOR	2.7000A	1696
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 4D-204678	2.9000	267
AIR INLET HOUSING STD. EQUIP. PRIOR TO 4D-204614	3.3000A	547
BLOWER THRU 4D-180938	3.4000	236
BLOWER EFF. WITH 4D-180939; STD. EQUIP. PRIOR TO 4D-204614	3.4000	336
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	ENG
OIL PUMP THRU 4D-200699	4.1000A	143
OIL PUMP EFF. WITH 4D-200700; STD. EQUIP. PRIOR TO 4D-211672	4.1000A	162
OIL DISTRIBUTION SYSTEM	4.1000B	441
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO 4D-211672	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	770
OIL FILLER CAP STD. EQUIP. PRIOR TO 4D-204589	4.5000A	18
DIPSTICK	4.6000A	808
OIL PAN	4.7000A	ENG
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO 4D-204614	4.8000A	585
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 4D-204634	5.2000A	181
THERMOSTAT STD. EQUIP. PRIOR TO 4D-204634	5.2000B	274
WATER CONNECTIONS STD. EQUIP. PRIOR TO 4D-204582	5.3000B	117
FAN	5.4000A	1018
EXHAUST MANIFOLD	6.1000A	475
BATTERY CHARGING GENERATOR	7.1000A	1930
STARTING MOTOR	7.3000A	297
AIR COMPRESSOR	12.4000A	1102

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS PRIOR TO 4D-11690	1.1000A	32
AIR BOX DRAINS EFFECTIVE WITH 4D-11690	1.1000A	63
CYLINDER HEAD (2 VALVE)	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	42
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT (1:1 FAN, 12" HIGH WITH AIR COMPRESSOR)	1.3000D	116
CRANKSHAFT PULLEY BELT (1:1 FAN, 12" HIGH WITHOUT AIR COMPRESSOR OR VACUUM PUMP)	1.3000D	176
FLYWHEEL (TWIN DISC CLUTCH C110)	1.4000A	372
FLYWHEEL (TWIN DISC C110/ROCKFORD CLA-21025)	1.4000A	305
FLYWHEEL HOUSING	1.5000A	205
FLYWHEEL HOUSING	1.5000A	209
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	40
ROCKER COVER (WITH OIL FILLER)	1.8000A	41
FUEL INJECTOR	2.1000A	52
FUEL PUMP	2.2000	34
FUEL PUMP, AUXILIARY	2.2000	58
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	502
MECHANICAL GOVERNOR (VARIABLE SPEED, CLOSED LINKAGE)	2.7000A	602
MECHANICAL GOVERNOR (VARIABLE SPEED, OPEN LINKAGE WITH BOOSTER SPRING)	2.7000A	595
INJECTOR CONTROL TUBE	2.9000	90
THROTTLE CONTROLS (OPEN LINKAGE GOVERNOR, WITHOUT HOODS)	2.9000A	511
THROTTLE CONTROLS (VARIABLE SPEED, CLOSED LINKAGE GOVERNOR, WITH HOODS)	2.9000A	603
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	142
AIR INLET HOUSING (MECHANICAL SHUTDOWN, RESET LEVER)	3.3000A	178
BLOWER	3.4000	62
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	108
OIL COOLER	4.4000A	239
OIL FILLER (IN ROCKER COVER)	4.5000A	18
OIL FILLER (ON BREATHER)	4.5000A	54
DIPSTICK PRIOR TO 4D-6760	4.6000A	168
DIPSTICK EFFECTIVE WITH 4D-6760	4.6000A	261
OIL PAN (STAMPED, SUMP TO REAR)	4.7000A	245
OIL PAN (STAMPED, BOTTOM OIL DRAIN)	4.7000A	157
OIL PAN (STAMPED, SIDE OIL DRAIN)	4.7000A	145
VENTILATING SYSTEM	4.8000A	233
VENTILATING SYSTEM (WITH OIL FILLER)	4.8000A	235
FRESH WATER PUMP	5.1000	39
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
RADIATOR (NORMAL TEMPERATURE)	5.3000A	80
WATER CONNECTIONS	5.3000B	157
FAN (SUCTION, 1:1 RATIO)	5.4000A	290
EXHAUST MANIFOLD (WITH MECHANICAL SHUTDOWN)	6.1000A	224
EXHAUST MANIFOLD (WITH MANUAL OR ELECTRICAL SHUTDOWN)	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR (12V., 25 AMP.)	7.1000A	697
BATTERY CHARGING GENERATOR (24V., 40 AMP.)	7.1000A	993
STARTING MOTOR (12V.)	7.3000A	188
STARTING MOTOR (24V.)	7.3000A	212
INSTRUMENT PANEL (ON SIDE OPPOSITE BLOWER) (WITH MANUAL SHUTDOWN)	7.4000A	246
INSTRUMENT PANEL (ON SIDE OPPOSITE BLOWER) (WITH AUTOMATIC SHUTDOWN)	7.4000A	408
INSTRUMENT PANEL (TACHOMETER ONLY)	7.4000A	416
INSTRUMENT PANEL (MOUNTED ON BLOWER SIDE)	7.4000A	429
TACHOMETER DRIVE (BALANCER SHAFT MOUNTED)	7.4000B	228

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
AUTOMATIC SHUTDOWN (WITHOUT OVERSPEED GOVERNOR)	7.4000C	380
AUTOMATIC SHUTDOWN (WITH OVERSPEED GOVERNOR)	7.4000C	482
WIRING HARNESS (INSTRUMENTS ON SIDE OPPOSITE BLOWER)	7.7000A	282
ENGINE HOOD (COMPLETE)	10.1000A	111
ENGINE MOUNTING (PEDESTAL MOUNTS FOR SAE 2 HOUSING)	11.1000A	357
ENGINE MOUNTING (PEDESTAL MOUNTS FOR SAE 4 HOUSING)	11.1000A	359
AIR COMPRESSOR	12.4000A	368
COLD WEATHER STARTING AID	12.6000C	3
COLD WEATHER STARTING AID	12.6000C	8

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-2725	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	333
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	85
VALVE OPERATING MECHANISM	1.8000	31
ROCKER COVER	1.8000A	41
FUEL INJECTOR THRU 4D-1608	2.1000A	40
FUEL INJECTOR EFF. WITH 4D-1609, STD. EQUIP. PRIOR TO 4D-3359	2.1000A	52
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176	2.2000	127
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-1488	2.5000A	361
FUEL LINES EFF. WITH 4D-1489	2.5000A	500
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	120
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	149
AIR INLET HOUSING	3.3000A	141
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-21283	4.2000A	108
OIL FILTER EFF. WITH 4D-21284	4.2000A	227
OIL COOLER	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	591
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP THRU 4D-66634	5.1000	38
FRESH WATER PUMP EFF. WITH 4D-66635	5.1000	145
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE THRU 4D-66634	5.2000C	130
WATER BY-PASS TUBE EFF. WITH 4D-66635	5.2000C	318
RADIATOR	5.3000A	108
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR 12V., 42 AMP., DC, CCW ROTATION	7.1000A	1777
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	280
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

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DETROIT DIESEL 53 MPC ENGINES

STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	333
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	41
FUEL INJECTOR THRU 4D-1608	2.1000A	40
FUEL INJECTOR EFF. WITH 4D-1609	2.1000A	52
FUEL PUMP	2.2000	33
FUEL FILTER STD. EQUIP. PRIOR TO 4D-73198	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 4D-1488	2.5000A	361
FUEL LINES EFF. WITH 4D-1489	2.5000A	500
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	120
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	149
AIR INLET HOUSING	3.3000A	141
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-21283	4.2000A	108
OIL FILTER EFF. WITH 4D-21284	4.2000A	227
OIL COOLER STD. EQUIP. PRIOR TO 4D-73198	4.4000A	226
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	261
OIL PAN	4.7000A	145
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP	5.1000	38
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
RADIATOR	5.3000A	108
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	1777
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	280
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	359

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	41
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	111
CRANKSHAFT PULLEY BELT	1.3000D	176
FLYWHEEL	1.4000A	336
FLYWHEEL HOUSING	1.5000A	349
CONNECTING ROD AND PISTON	1.6000	27
CAMSHAFT AND GEAR TRAIN	1.7000	34
VALVE OPERATING MECHANISM	1.8000	32
ROCKER COVER	1.8000A	41
FUEL INJECTOR STD. EQUIP. PRIOR TO 4D-3229	2.1000A	52
FUEL PUMP	2.2000	33
FUEL FILTER	2.3000A	181
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	503
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS	2.9000	120
THROTTLE CONTROLS	2.9000A	512
AIR CLEANER	3.1000A	149
AIR INLET HOUSING	3.3000A	141
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457	3.4000	116
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER THRU 4D-21283	4.2000A	108
OIL FILTER EFF. WITH 4D-21284	4.2000A	227
OIL COOLER	4.4000A	268
OIL FILLER	4.5000A	18
DIPSTICK THRU 4D-1481	4.6000A	107
DIPSTICK EFF. WITH 4D-1482 AND THRU 4D-6748	4.6000A	168
DIPSTICK EFF. WITH 4D-6749	4.6000A	261
OIL PAN	4.7000A	145
VENTILATING SYSTEM	4.8000A	234
FRESH WATER PUMP	5.1000	38
WATER OUTLET ELBOW	5.2000A	67
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	130
RADIATOR	5.3000A	110
WATER CONNECTIONS	5.3000B	135
FAN	5.4000A	290
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR	7.1000A	825
STARTING MOTOR	7.3000A	174
INSTRUMENTS	7.4000A	405
WIRING HARNESS	7.7000A	280
TORQUE CONVERTER	8.3000A	394
TORQUE CONVERTER LINES	8.3000B	123

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	53
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000A	119
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	111
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	61
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	153
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	32
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	122
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	167
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP EFF. THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER THRU 4D-175672	2.3000A	157
FUEL FILTER EFF. WITH 4D-175673 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	720
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	456
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	286
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR CLEANER	3.1000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	318
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 4D-200699	4.1000A	52
OIL PUMP EFF. WITH 4D-200700	4.1000A	170
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000B	196
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 4D-200699	4.1000C	9
OIL PRESSURE REGULATOR EFF. WITH 4D-200700	4.1000C	29
OIL FILTER	4.2000A	•
OIL COOLER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.4000A	239
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.6000A	261
DIPSTICK	4.6000A	•
OIL PAN STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.7000A	591
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
THERMOSTAT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000B	72
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	397
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
INSTRUMENTS	7.4000A	•
POWER TAKE-OFF	8.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	30
AIR BOX DRAINS THRU 4D-11689	1.1000A	32
AIR BOX DRAINS EFF. WITH 4D-11690	1.1000A	63
CYLINDER HEAD	1.2000	24
ENGINE LIFTER BRACKET	1.2000A	40
CRANKSHAFT	1.3000	21
CRANKSHAFT FRONT COVER THRU 4D-106480	1.3000A	48
CRANKSHAFT FRONT COVER EFF. WITH 4D-106481	1.3000A	119
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 4D-3710	1.3000C	111
FLYWHEEL	1.4000A	305
FLYWHEEL HOUSING	1.5000A	330
CONNECTING ROD AND PISTON THRU 4D-14985	1.6000	27
CONNECTING ROD AND PISTON EFF. WITH 4D-14986	1.6000	61
CAMSHAFT AND GEAR TRAIN THRU 4D-180938	1.7000	34
CAMSHAFT AND GEAR TRAIN EFF. WITH 4D-180939	1.7000	270
VALVE OPERATING MECHANISM THRU 4D-158185	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-158186 AND THRU 4D-162840	1.8000	186
VALVE OPERATING MECHANISM EFF. WITH 4D-162841 AND THRU 4D-167110	1.8000	31
VALVE OPERATING MECHANISM EFF. WITH 4D-167111 AND THRU 4D-180938	1.8000	186
VALVE OPERATING MECHANISM EFF. WITH 4D-180939	1.8000	171
ROCKER COVER	1.8000A	41
FUEL INJECTOR	2.1000A	76
FUEL PUMP THRU 4D-78175	2.2000	33
FUEL PUMP EFF. WITH 4D-78176 AND THRU 4D-172166	2.2000	127
FUEL PUMP EFF. WITH 4D-172167	2.2000	180
FUEL FILTER	2.3000A	157
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	456
MECHANICAL GOVERNOR	2.7000A	596
INJECTOR CONTROLS THRU 4D-157398	2.9000	102
INJECTOR CONTROLS EFF. WITH 4D-157399	2.9000	286
THROTTLE CONTROLS	2.9000A	504
AIR CLEANER	3.1000A	238
AIR INLET HOUSING	3.3000A	599
BLOWER THRU 4D-36456	3.4000	63
BLOWER EFF. WITH 4D-36457 AND THRU 4D-180938	3.4000	116
BLOWER EFF. WITH 4D-180939	3.4000	318
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM THRU 4D-1002	4.1000B	166
OIL DISTRIBUTION SYSTEM EFF. WITH 4D-1003	4.1000B	196
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	227
OIL COOLER	4.4000A	239
OIL FILLER	4.5000A	18
DIPSTICK THRU 4D-1481	4.6000A	107
DIPSTICK EFF. WITH 4D-1482 AND THRU 4D-7223	4.6000A	168
DIPSTICK EFF. WITH 4D-7224	4.6000A	261
OIL PAN THRU 4D-1002	4.7000A	106
OIL PAN EFF. WITH 4D-1003	4.7000A	145
VENTILATING SYSTEM	4.8000A	195
FRESH WATER PUMP	5.1000	158
THERMOSTAT	5.2000B	72
WATER BY-PASS TUBE	5.2000C	319
WATER CONNECTIONS	5.3000B	208
HEAT EXCHANGER	5.5000A	303
EXHAUST MANIFOLD THRU 4D-62198	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 4D-62199	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	176
BATTERY CHARGING GENERATOR 12V., 42 AMP., DC, CW ROTATION	7.1000A	2059
STARTING MOTOR	7.3000A	302
INSTRUMENTS	7.4000A	510
WIRING HARNESS	7.7000A	303
POWER TAKE-OFF	8.1000A	180
ENGINE MOUNTS	11.1000A	353

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	145
AIR BOX DRAINS	1.1000A	63
CYLINDER HEAD	1.2000	25
ENGINE LIFTER BRACKET	1.2000A	204
CRANKSHAFT	1.3000	70
CRANKSHAFT FRONT COVER	1.3000A	48
CRANKSHAFT PULLEY	1.3000C	365
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	98
CAMSHAFT AND GEAR TRAIN	1.7000	182
VALVE OPERATING MECHANISM	1.8000	122
ROCKER COVER	1.8000A	404
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	136
FUEL FILTER	2.3000A	181
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1467
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	270
AIR INLET HOUSING	3.3000A	578
BLOWER	3.4000	306
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	52
OIL DISTRIBUTION SYSTEM	4.1000B	346
OIL PRESSURE REGULATOR	4.1000C	9
OIL FILTER	4.2000A	336
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	118
DIPSTICK	4.6000A	856
OIL PAN	4.7000A	655
FRESH WATER PUMP	5.1000	145
WATER OUTLET ELBOW	5.2000A	70
THERMOSTAT	5.2000B	274
WATER BY-PASS TUBE	5.2000C	403
WATER CONNECTIONS	5.3000B	351
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
CLUTCH HOUSING	8.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	22
CRANKSHAFT FRONT COVER	1.3000A	65
FLYWHEEL HOUSING	1.5000A	212
CONNECTING ROD AND PISTON	1.6000	62
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	64
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	50
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	860
MECHANICAL GOVERNOR	2.7000A	515
INJECTOR CONTROLS	2.9000	110
BLOWER	3.4000	73
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	238
OIL PRESSURE REGULATOR	4.1000C	12
OIL COOLER	4.4000A	297
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	257
OIL PAN	4.7000A	272
VENTILATING SYSTEM	4.8000A	248
FRESH WATER PUMP	5.1000	74
WATER OUTLET ELBOW	5.2000A	86
THERMOSTAT	5.2000B	86
WATER BY-PASS TUBE	5.2000C	164
WATER CONNECTIONS	5.3000B	156

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233419	1.1000	31
CYLINDER BLOCK EFF. WITH 6D-233420	1.1000	146
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET THRU 6D-14545	1.2000A	48
ENGINE LIFTER BRACKET EFF. WITH 6D-14546 AND THRU 6D-20390	1.2000A	114
ENGINE LIFTER BRACKET EFF. WITH 6D-20391, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	48
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 6D-11073	1.3000	22
CRANKSHAFT EFF. WITH 6D-11074	1.3000	44
CRANKSHAFT FRONT COVER THRU 6D-218704	1.3000A	66
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	68
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	35
BALANCE WEIGHT COVER EFF. WITH 6D-218705	1.7000A	54
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	33
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	164
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 6D-8894	2.2000	42
FUEL PUMP EFF. WITH 6D-8895 AND THRU 6D-78448	2.2000	80
FUEL PUMP EFF. WITH 6D-78449 AND THRU 6D-188153 AND THRU 6D-188810	2.2000	144
FUEL PUMP EFF. WITH 6D-188811 AND THRU 6D-196534	2.2000	183
FUEL PUMP EFF. WITH 6D-196535, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	192
FUEL PUMP	2.2000	•
FUEL FILTER THRU 6D-8894	2.3000A	190
FUEL FILTER EFF. WITH 6D-8895	2.3000A	328
FUEL PUMP EFF. WITH 6D-188154	2.2000	182
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 6D-8894	2.5000A	462
FUEL LINES EFF. WITH 6D-8895 AND THRU 6D-27019	2.5000A	917
FUEL LINES EFF. WITH 6D-27020	2.5000A	1014
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 6D-171833	2.9000	122
INJECTOR CONTROLS EFF. WITH 6D-171834 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	273
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6D-24898	3.4000	98
BLOWER EFF. WITH 6D-24899 AND THRU 6D-158288	3.4000	129
BLOWER EFF. WITH 6D-158289 AND THRU 6D-196534	3.4000	304
BLOWER EFF. WITH 6D-196535; STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	326
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705	4.1000A	174
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	•
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 6D-66882	5.1000	71
FRESH WATER PUMP EFF. WITH 6D-66883	5.1000	159
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD THRU 6D-67449	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 6D-67450 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	404
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.2000A	187
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS THRU 6D-4948	1.1000A	48
AIR BOX DRAINS EFF. WITH 6D-4949	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET THRU 6D-14595	1.2000A	48
ENGINE LIFTER BRACKET EFF. WITH 6D-14596 AND THRU 6D-20152	1.2000A	114
ENGINE LIFTER BRACKET EFF. WITH 6D-20153	1.2000A	47
CRANKSHAFT THRU 6D-11073	1.3000	22
CRANKSHAFT EFF. WITH 6D-11074	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	66
CRANKSHAFT PULLEY	1.3000C	171
FLYWHEEL	1.4000A	350
FLYWHEEL HOUSING	1.5000A	369
FLYWHEEL HOUSING ADAPTOR	1.5000B	28
CONNECTING ROD AND PISTON THRU 6D-4479	1.6000	35
CONNECTING ROD AND PISTON EFF. WITH 6D-4480	1.6000	60
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	65
FUEL INJECTOR	2.1000A	52
FUEL PUMP THRU 6D-8894	2.2000	42
FUEL PUMP EFF. WITH 6D-8895 AND THRU 6D-78448	2.2000	80
FUEL PUMP EFF. WITH 6D-78449	2.2000	144
FUEL FILTER THRU 6D-8894	2.3000A	190
FUEL FILTER EFF. WITH 6D-8895	2.3000A	328
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 6D-8994	2.5000A	462
FUEL LINES EFF. WITH 6D-8995 AND THRU 6D-27019	2.5000A	917
FUEL LINES EFF. WITH 6D-27020	2.5000A	1014
MECHANICAL GOVERNOR	2.7000A	805
INJECTOR CONTROLS	2.9000	110
THROTTLE CONTROLS	2.9000A	695
AIR SILENCER	3.2000A	29
AIR INLET HOUSING	3.3000A	233
BLOWER STD. EQUIP. PRIOR TO 6D-24898	3.4000	73
BLOWER	3.4000	129
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	303
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	229
OIL FILTER LINES	4.3000A	133
OIL COOLER	4.4000A	481
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	259
OIL PAN	4.7000A	231
VENTILATING SYSTEM	4.8000A	264
FRESH WATER PUMP THRU 6D-072	5.1000	57
FRESH WATER PUMP EFF. WITH 6D-073 AND THRU 6D-760	5.1000	67
FRESH WATER PUMP EFF. WITH 6D-761 AND THRU 6D-66882	5.1000	71
FRESH WATER PUMP EFF. WITH 6D-66883	5.1000	159
THERMOSTAT	5.2000B	88
WATER BY-PASS TUBE	5.2000C	222
WATER CONNECTIONS	5.3000B	245
HEAT EXCHANGER	5.5000A	380
RAW WATER PUMP	5.6000A	40
EXHAUST MANIFOLD	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	187
BATTERY CHARGING GENERATOR 12V., 25 AMP., NEG. RETURN	7.1000A	831
STARTING MOTOR	7.3000A	205
HYDRAULIC MARINE GEAR	9.1000A	593
ENGINE MOUNTS	11.1000A	476

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233419	1.1000	31
CYLINDER BLOCK EFF. WITH 6D-233420	1.1000	146
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET THRU 6D-14545	1.2000A	48
ENGINE LIFTER BRACKET EFF. WITH 6D-14546 AND THRU 6D-20390	1.2000A	114
ENGINE LIFTER BRACKET EFF. WITH 6D-20391, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	48
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT THRU 6D-11073	1.3000	22
CRANKSHAFT EFF. WITH 6D-11074	1.3000	44
CRANKSHAFT FRONT COVER THRU 6D-218704	1.3000A	66
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
FLYWHEEL HOUSING ADAPTOR	1.5000B	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	68
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	35
BALANCE WEIGHT COVER EFF. WITH 6D-218705	1.7000A	54
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	33
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	164
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 6D-8894	2.2000	43
FUEL PUMP EFF. WITH 6D-8895 AND THRU 6D-78156	2.2000	72
FUEL PUMP EFF. WITH 6D-78157 AND THRU 6D-188153	2.2000	131
FUEL PUMP EFF. WITH 6D-188154 AND THRU 6D-196534	2.2000	181
FUEL PUMP EFF. WITH 6D-196535, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	191
FUEL PUMP	2.2000	•
FUEL FILTER THRU 6D-8894	2.3000A	190
FUEL FILTER EFF. WITH 6D-8895 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.3000A	328
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 6D-8894	2.5000A	462
FUEL LINES EFF. WITH 6D-8895 AND THRU 6D-85953	2.5000A	917
FUEL LINES EFF. WITH 6D-85954 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.5000A	1338
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 6D-171833	2.9000	122
INJECTOR CONTROLS EFF. WITH 6D-171834 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	273
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6D-24898	3.4000	73
BLOWER EFF. WITH 6D-24899 AND THRU 6D-158288	3.4000	127
BLOWER EFF. WITH 6D-158289 AND THRU 6D-196534	3.4000	346
BLOWER EFF. WITH 6D-196535 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	327
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705	4.1000A	163
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	•
OIL COOLER (ENGINE)	4.4000A	•
OIL COOLER (MARINE GEAR)	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP THRU 6D-66882	5.1000	71
FRESH WATER PUMP EFF. WITH 6D-66883	5.1000	159
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD THRU 6D-67449	6.1000A	125
EXHAUST MANIFOLD EFF. WITH 6D-67450 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.1000A	404
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	6.2000A	187
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	146
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	48
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	66
CRANKSHAFT PULLEY	1.3000C	171
FLYWHEEL	1.4000A	325
FLYWHEEL HOUSING	1.5000A	208
FLYWHEEL HOUSING ADAPTOR	1.5000B	28
CONNECTING ROD AND PISTON	1.6000	96
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	65
FUEL INJECTOR	2.1000A	74
FUEL PUMP	2.2000	131
FUEL FILTER	2.3000A	694
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1527
MECHANICAL GOVERNOR	2.7000A	805
INJECTOR CONTROLS	2.9000	273
THROTTLE CONTROLS	2.9000A	695
AIR INLET HOUSING	3.3000A	601
BLOWER	3.4000	129
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	323
OIL PRESSURE REGULATOR	4.1000C	14
OIL FILTER	4.2000A	356
OIL COOLER	4.4000A	850
OIL COOLER (MARINE GEAR)	4.4000A	675
OIL FILLER	4.5000A	55
DIPSTICK	4.6000A	581
OIL PAN	4.7000A	231
VENTILATING SYSTEM	4.8000A	264
FRESH WATER PUMP	5.1000	159
THERMOSTAT	5.2000B	88
WATER BY-PASS TUBE	5.2000C	401
WATER CONNECTIONS	5.3000B	245
HEAT EXCHANGER	5.5000A	380
RAW WATER PUMP	5.6000A	54
EXHAUST MANIFOLD	6.1000A	404
EXHAUST MUFFLER CONNECTIONS	6.2000A	187
BATTERY CHARGING GENERATOR	7.1000A	2019
STARTING MOTOR	7.3000A	204
HYDRAULIC MARINE GEAR	9.1000A	848
ENGINE MOUNTING	11.1000A	633

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS THRU 6D-4948	1.1000A	48
AIR BOX DRAINS EFF. WITH 6D-4949	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET THRU 6D-14545	1.2000A	48
ENGINE LIFTER BRACKET EFF. WITH 6D-14546 AND THRU 6D-20152	1.2000A	114
ENGINE LIFTER BRACKET EFF. WITH 6D-21053	1.2000A	47
CRANKSHAFT THRU 6D-11073	1.3000	22
CRANKSHAFT EFF. WITH 6D-11074	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	66
CRANKSHAFT PULLEY	1.3000C	171
FLYWHEEL	1.4000A	350
FLYWHEEL HOUSING	1.5000A	368
FLYWHEEL HOUSING ADAPTOR	1.5000B	28
CONNECTING ROD AND PISTON THRU 6D-4479	1.6000	35
CONNECTING ROD AND PISTON EFF. WITH 6D-4480	1.6000	60
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	65
FUEL INJECTOR S45	2.1000A	52
FUEL PUMP THRU 6D-8894	2.2000	43
FUEL PUMP EFF. WITH 6D-8895	2.2000	72
FUEL FILTER THRU 6D-8894	2.3000A	190
FUEL FILTER EFF. WITH 6D-8895	2.3000A	328
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 6D-8894	2.5000A	462
FUEL LINES EFF. WITH 6D-8895	2.5000A	917
MECHANICAL GOVERNOR	2.7000A	805
INJECTOR CONTROLS	2.9000	110
THROTTLE CONTROLS	2.9000A	695
AIR SILENCER	3.2000A	29
AIR INLET HOUSING	3.3000A	233
BLOWER THRU 6D-24898	3.4000	73
BLOWER EFF. WITH 6D-24899	3.4000	129
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	303
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	229
OIL FILTER LINES	4.3000A	133
OIL COOLER	4.4000A	481
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	259
OIL PAN	4.7000A	231
VENTILATING SYSTEM	4.8000A	264
FRESH WATER PUMP THRU 6D-072	5.1000	57
FRESH WATER PUMP EFF. WITH 6D-073 AND THRU 6D-760	5.1000	67
FRESH WATER PUMP EFF. WITH 6D-761	5.1000	71
THERMOSTAT	5.2000B	88
WATER BY-PASS TUBE	5.2000C	222
WATER CONNECTIONS	5.3000B	245
HEAT EXCHANGER	5.5000A	380
RAW WATER PUMP	5.6000A	40
EXHAUST MANIFOLD	6.1000A	125
EXHAUST MUFFLER CONNECTIONS	6.2000A	187
BATTERY CHARGING GENERATOR	7.1000A	831
STARTING MOTOR	7.3000A	204
HYDRAULIC MARINE GEAR	9.1000A	598
ENGINE MOUNTS	11.1000A	476

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233419	1.1000	31
CYLINDER BLOCK EFF. WITH 6D-233420	1.1000	237
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD THRU 6D-217595	1.2000	26
CYLINDER HEAD EFF. WITH 6D-217596 AND THRU 6D-223461	1.2000	151
CYLINDER HEAD EFF. WITH 6D-223462	1.2000	132
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER THRU 6D-218704	1.3000A	66
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	181
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	299
BALANCE WEIGHT COVER EFF. WITH 6D-218705	1.7000A	54
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	46
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	165
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP THRU 6D-188153	2.2000	128
FUEL PUMP EFF. WITH 6D-188184 AND THRU 6D-196534	2.2000	179
FUEL PUMP EFF. WITH 6D-196535 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.2000	190
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	291
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6D-196534	3.4000	298
BLOWER EFF. WITH 6D-196535 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	321
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705	4.1000A	163
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR THRU 6D-218704	4.1000C	14
OIL PRESSURE REGULATOR EFF. WITH 6D-218705	4.1000C	12
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	•
OIL COOLER	4.4000A	•
OIL COOLER-MARINE GEAR	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	208
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTS	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	237
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	132
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	44
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	288
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	54
VALVE OPERATING MECHANISM	1.8000	181
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR SILENCER	3.2000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	552
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	•
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL FILTER	4.2000A	•
OIL LINES	4.3000A	•
OIL COOLER	4.4000A	•
OIL COOLER MARINE GEAR	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	208
THERMOSTAT	5.2000B	•
WATER BYPASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
HEAT EXCHANGER	5.5000A	•
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
SHUT-OFF OR ALARM SYSTEM	7.4000C	•
MARINE GEAR	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233419	1.1000	31
CYLINDER BLOCK EFF. WITH 6D-233420	1.1000	237
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD THRU 6D-223461	1.2000	151
CYLINDER HEAD EFF. WITH 6D-223462	1.2000	132
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	44
CRANKSHAFT PULLEY	1.3000C	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	•
BALANCE WEIGHT COVER	1.7000A	54
VALVE OPERATING MECHANISM STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	165
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000A	291
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	434
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	•
OIL PUMP STD. EQUIP. PRIOR TO BEING SHOWN ON OPTIGN PLATE	4.1000A	163
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	4.1000C	12
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL FILTER LINES	4.3000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	208
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
RAW WATER PUMP	5.6000A	•
EXHAUST MANIFOLD	6.1000A	•
STARTING MOTOR	7.3000A	•
HYDRAULIC MARINE GEAR	9.1000A	•
ENGINE MOUNTING	11.1000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	31
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000A	62
AIR BOX DRAINS	1.1000A	•
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	26
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	44
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.3000	44
CRANKSHAFT	1.3000	•
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	68
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	33
VALVE OPERATING MECHANISM EFF. WITH 6D-196535, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.8000	164
VALVE OPERATING MECHANISM	1.8000	•
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 6D-171833	2.9000	122
INJECTOR CONTROLS EFF. WITH 6D-171834 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	273
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6D-196534	3.4000	127
BLOWER EFF. WITH 6D-196535, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	325
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE THRU TO 6D-80610	5.2000C	352
WATER BY-PASS TUBE EFF. WITH 6D-80611	5.2000C	360
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	66
CRANKSHAFT PULLEY	1.3000C	171
FLYWHEEL	1.4000A	350
FLYWHEEL HOUSING	1.5000A	350
CONNECTING ROD AND PISTON	1.6000	62
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	35
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535	1.7000	276
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	33
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	164
ROCKER COVER	1.8000A	281
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 6D-188153	2.2000	138
FUEL PUMP EFF. WITH 6D-188154	2.2000	182
FUEL FILTER	2.3000A	325
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1327
MECHANICAL GOVERNOR	2.7000A	1565
INJECTOR CONTROLS THRU 6D-171833	2.9000	122
INJECTOR CONTROLS EFF. WITH 6D-171834	2.9000	273
BLOWER THRU 6D-196534	3.4000	127
BLOWER EFF. WITH 6D-196535	3.4000	325
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM THRU 6D-177378	4.1000B	324
OIL DISTRIBUTION SYSTEM EFF. WITH 6D-177379	4.1000B	323
OIL PRESSURE REGULATOR	4.1000C	14
OIL FILTER	4.2000A	252
OIL COOLER	4.4000A	447
OIL FILLER	4.5000A	18
OIL FILLER (ON ROCKER COVER)	4.5000A	86
DIPSTICK THRU 6D-177378	4.6000A	553
DIPSTICK EFF. WITH 6D-177379	4.6000A	581
OIL PAN THRU 6D-177378	4.7000A	606
OIL PAN EFF. WITH 6D-177379	4.7000A	231
VENTILATING SYSTEM	4.8000A	585
FRESH WATER PUMP	5.1000	153
THERMOSTAT	5.2000B	86
WATER BY-PASS TUBE	5.2000C	360
WATER CONNECTIONS	5.3000B	242
EXHAUST MANIFOLD	6.1000A	162
STARTING MOTOR	7.3000A	204
TACHOMETER DRIVE	7.4000B	1
HYDRAULIC MARINE GEAR	9.1000A	926
ENGINE MOUNTS THRU 6D-177378	11.1000A	616
ENGINE MOUNTS EFF. WITH 6D-177379	11.1000A	578

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233419	1.1000	31
CYLINDER BLOCK EFF. WITH 6D-233420	1.1000	146
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	44
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	96
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	164
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6D-196534	3.4000	127
BLOWER EFF. WITH 6D-196535, STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000A	325
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	•
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	153
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	5.2000C	360
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
AIR COMPRESSOR	12.4000A	•

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT THRU 6D-194048	1.3000	22
CRANKSHAFT EFF. WITH 6D-19049	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	65
CRANKSHAFT PULLEY	1.3000C	207
CRANKSHAFT PULLEY BELT	1.3000D	164
FLYWHEEL	1.4000A	599
FLYWHEEL HOUSING	1.5000A	374
CONNECTING ROD AND PISTON	1.6000	62
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	64
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	73
FUEL FILTER	2.3000A	358
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	786
MECHANICAL GOVERNOR	2.7000A	944
INJECTOR CONTROLS	2.9000	110
AIR CLEANER	3.1000A	265
AIR INLET HOUSING	3.3000A	186
BLOWER THRU 6D-24898	3.4000	73
BLOWER EFF. WITH 6D-24899	3.4000	127
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	300
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	236
OIL COOLER	4.4000A	352
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	490
OIL PAN	4.7000A	353
VENTILATING SYSTEM	4.8000A	248
FRESH WATER PUMP	5.1000	115
WATER OUTLET ELBOW	5.2000A	86
THERMOSTAT	5.2000B	86
WATER BY-PASS TUBE	5.2000C	243
WATER CONNECTIONS	5.3000B	167
FAN	5.4000A	632
EXHAUST MANIFOLD	6.1000A	254
BATTERY CHARGING GENERATOR MOUNTS	7.1000A	860
TACHOMETER DRIVE	7.4000B	131
ENGINE MOUNTS	11.1000A	380
AIR COMPRESSOR	12.4000A	466

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	146
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	96
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	109
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 6D-148163	2.9000	122
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER	3.4000	127
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•
AIR COMPRESSOR	12.4000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	146
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	65
CRANKSHAFT PULLEY	1.3000C	207
CRANKSHAFT PULLEY BELT	1.3000D	111
FLYWHEEL	1.4000A	872
FLYWHEEL HOUSING	1.5000A	393
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	96
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ACCESSORY DRIVE	1.7000B	292
ROCKER COVER	1.8000A	97
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	128
FUEL FILTER	2.3000A	665
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1478
GOVERNOR, MECHANICAL	2.7000A	•
INJECTOR CONTROLS	2.9000	273
AIR INLET HOUSING	3.3000A	600
BLOWER	3.4000	127
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	14
OIL FILTER	4.2000A	333
OIL COOLER	4.4000A	489
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	831
OIL PAN	4.7000A	332
VENTILATING SYSTEM	4.8000A	248
FRESH WATER PUMP	5.1000	153
WATER OUTLET ELBOW	5.2000A	86
THERMOSTAT	5.2000B	159
WATER BY-PASS TUBE	5.2000C	360
WATER CONNECTIONS	5.3000B	242
FAN	5.4000A	1345
EXHAUST MANIFOLD	6.1000A	483
BATTERY CHARGING GENERATOR	7.1000A	1858
STARTING MOTOR	7.3000A	204
ENGINE MOUNTS	11.1000A	650
AIR COMPRESSOR	12.4000A	1043

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233419	1.1000	31
CYLINDER BLOCK EFF. WITH 6D-233420	1.1000	146
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225137	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	65
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 6D-213393	1.3000C	207
FLYWHEEL	1.4000A	582
FLYWHEEL HOUSING	1.5000A	350
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO 6D-214999	1.6000	96
CAMSHAFT AND GEAR TRAIN	1.7000	276
ACCESSORY DRIVE	1.7000B	209
VALVE OPERATING MECHANISM	1.8000	164
ROCKER COVER STD. EQUIP. PRIOR TO 6D-225521	1.8000A	97
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 6D-205210	2.2000	190
FUEL PUMP EFF. WITH 6D-205211 AND STD. EQUIP. PRIOR TO 6D-220026	2.2000	196
FUEL FILTER	2.3000A	319
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1328
MECHANICAL GOVERNOR	2.7000A	1574
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 6D-225620	2.9000	266
BLOWER STD. EQUIP. PRIOR TO 6D-225521	3.4000	322
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.1000B	328
OIL PRESSURE REGULATOR	4.1000C	14
OIL FILTER STD. EQUIP. PRIOR TO 6D-225471	4.2000A	242
OIL LINES STD. EQUIP. PRIOR TO 6D-225471	4.3000A	149
OIL COOLER STD. EQUIP. PRIOR TO 6D-225471	4.4000A	489
OIL FILLER CAP STD. EQUIP. PRIOR TO 6D-225471	4.5000A	18
DIPSTICK STD. EQUIP. PRIOR TO 6D-224661	4.6000A	569
OIL PAN STD. EQUIP. PRIOR TO 6D-225454	4.7000A	332
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.8000A	248
FRESH WATER PUMP	5.1000	153
WATER OUTLET MANIFOLD	5.2000A	67
THERMOSTAT	5.2000B	284
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-225471	5.3000B	242
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225504	6.1000A	239
EXHAUST MUFFLER STD. EQUIP. PRIOR TO 6D-225521	6.2000A	219
BATTERY CHARGING GENERATOR STD. EQUIP. PRIOR TO 6D-225521	7.1000A	2021
STARTING MOTOR STD. EQUIP. PRIOR TO 6D-225521	7.3000A	206
ENGINE MOUNTING STD. EQUIP. PRIOR TO 6D-225521	11.1000A	380
AIR COMPRESSOR STD. EQUIP. PRIOR TO 6D-220026	12.4000A	801

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233384	1.1000	59
CYLINDER BLOCK EFF. WITH 6D-233385	1.1000	237
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD STD. EQUIP. PRIOR TO 6D-222994	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225236	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	118
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 6D-225471	1.3000C	180
CRANKSHAFT PULLEY BELT	1.3000D	245
FLYWHEEL STD. EQUIP. PRIOR TO 6D-225454	1.4000A	808
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-225236	1.5000A	431
CONNECTING ROD AND PISTON	1.6000	96
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	35
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535	1.7000	276
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	33
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	164
ROCKER COVER STD. EQUIP. PRIOR TO 6D-225521	1.8000A	279
FUEL INJECTOR	2.1000A	134
FUEL PUMP	2.2000	190
FUEL FILTER STD. EQUIP. PRIOR TO 6D-225521	2.3000A	316
FUEL MANIFOLD-CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 6D-225521	2.5000A	1410
MECHANICAL GOVERNOR	2.7000A	1566
INJECTOR CONTROLS THRU 6D-164923	2.9000	266
INJECTOR CONTROLS EFF. WITH 6D-164924; STD. EQUIP. PRIOR TO 6D-225620	2.9000	273
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6D-225521	3.3000A	535
BLOWER THRU 6D-196534	3.4000	137
BLOWER EFF. WITH 6D-196535; STD. EQUIP. PRIOR TO 6D-225521	3.4000	320
BLOWER DRIVE SHAFT	3.4000A	35
OIL PUMP THRU 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705	4.1000A	165
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.1000B	368
OIL PRESSURE REGULATOR THRU 6D-218704	4.1000C	14
OIL PRESSURE REGULATOR EFF. WITH 6D-218705	4.1000C	12
OIL FILTER STD. EQUIP. PRIOR TO 6D-225471	4.2000A	242
OIL FILTER LINES STD. EQUIP. PRIOR TO 6D-225471	4.3000A	149
OIL COOLER STD. EQUIP. PRIOR TO 6D-203401	4.4000A	335
OIL COOLER	4.4000A	793
OIL FILLER STD. EQUIP. PRIOR TO 6D-225471	4.5000A	117
DIPSTICK STD. EQUIP. PRIOR TO 6D-224661	4.6000A	813
OIL PAN STD. EQUIP. PRIOR TO 6D-225471	4.7000A	638
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO 6D-225521	4.8000A	585
FRESH WATER PUMP	5.1000	192
THERMOSTAT STD. EQUIP. PRIOR TO 6D-225504	5.2000B	277
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-225471	5.3000B	167
FAN	5.4000A	1189
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225504	6.1000A	465
STARTING MOTOR STD. EQUIP. PRIOR TO 6D-225521	7.3000A	260
ENGINE MOUNTS STD. EQUIP. PRIOR TO 6D-225521	11.1000A	625

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
	1.1000	59
CYLINDER BLOCK THRU 6D-233384	1.1000	237
CYLINDER BLOCK EFF. WITH 6D-233385	1.1000A	62
AIR BOX DRAINS	1.2000	26
CYLINDER HEAD	1.2000A	44
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225236	1.3000	44
CRANKSHAFT	1.3000A	118
CRANKSHAFT FRONT COVER	1.3000C	180
CRANKSHAFT PULLEY STD. EQUIP. PRIOR TO 6D-213393	1.3000D	245
CRANKSHAFT PULLEY BELT	1.4000A	843
FLYWHEEL STD. EQUIP. PRIOR TO 6D-225454	1.5000A	340
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-225236	1.6000	68
CONNECTING ROD AND PISTON-STD. EQUIP. PRIOR TO 6D-214999	1.7000	35
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	276
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535	1.8000	33
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	164
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000A	279
ROCKER COVER STD. EQUIP. PRIOR TO 6D-225521	2.1000A	75
FUEL INJECTOR THRU 6D-134977	2.1000A	134
FUEL INJECTOR EFF. WITH 6D-134978	2.2000	196
FUEL PUMP	2.3000A	316
FUEL FILTER STD. EQUIP. PRIOR TO 6D-225521	2.4000	48
FUEL MANIFOLD CONNECTIONS	2.5000A	1410
FUEL LINES STD. EQUIP. PRIOR TO 6D-225521	2.7000A	1566
MECHANICAL GOVERNOR	2.9000	122
INJECTOR CONTROLS THRU 6D-171833	2.9000	273
INJECTOR CONTROLS EFF. WITH 6D-171834; STD. EQUIP. PRIOR TO 6D-225620	3.3000A	535
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6D-225521	3.4000	137
BLOWER THRU 6D-196534	3.4000	320
BLOWER EFF. WITH 6D-196535 STD. EQUIP. PRIOR TO 6D-225521	3.4000A	35
BLOWER DRIVE SHAFT	4.1000A	51
OIL PUMP THRU 6D-218704	4.1000A	165
OIL PUMP EFF. WITH 6D-218705	4.1000B	368
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.1000C	14
OIL PRESSURE REGULATOR THRU 6D-218704	4.1000C	12
OIL PRESSURE REGULATOR EFF. WITH 6D-218705	4.2000A	242
OIL FILTER STD. EQUIP. PRIOR TO 6D-225471	4.3000A	149
OIL FILTER LINES STD. EQUIP. PRIOR TO 6D-225471	4.4000A	489
OIL COOLER STD. EQUIP. PRIOR TO 6D-225471	4.5000A	117
OIL FILLER STD. EQUIP. PRIOR TO 6D-225471	4.6000A	414
DIPSTICK THRU 6D-122861	4.6000A	813
DIPSTICK EFF. WITH 6D-122862	4.7000A	344
OIL PAN THRU 6D-112952	4.7000A	568
OIL PAN EFF. WITH 6D-112953 AND THRU 6D-122861	4.7000A	638
OIL PAN EFF. WITH 6D-122662 STD. EQUIP. PRIOR TO 6D-225471	4.8000A	585
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO 6D-225521	5.1000	108
FRESH WATER PUMP THRU 6D-117050	5.1000	192
FRESH WATER PUMP EFF. WITH 6D-117051	5.2000A	98
WATER OUTLET ELBOW STD. EQUIP. PRIOR TO 6D-225504	5.2000B	153
THERMOSTAT STD. EQUIP. PRIOR TO 6D-225504	5.2000C	212
WATER BY-PASS TUBE THRU 6D-117050	5.2000C	387
WATER BY-PASS TUBE EFF. WITH 6D-117051	5.3000B	242
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-225471	5.4000A	1189
FAN	6.1000A	465
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225504	7.3000A	300
STARTING MOTOR STD. EQUIP. PRIOR TO 6D-225521	11.1000A	625
ENGINE MOUNTS STD. EQUIP. PRIOR TO 6D-225521		

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233419	1.1000	31
CYLINDER BLOCK EFF. WITH 6D-233420	1.1000	237
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225236	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER THRU 6D-218704	1.3000A	66
CRANKSHAFT PULLEY STD. EQUIP. THRU 6D-213393	1.3000C	171
CRANKSHAFT PULLEY BELT THRU 6D-112952	1.3000D	172
CRANKSHAFT PULLEY BELT EFF. WITH 6D-112953 AND STD. EQUIP. THRU 6D-213393	1.3000D	245
FLYWHEEL STD. EQUIP. PRIOR TO 6D-225454	1.4000A	334
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-225236	1.5000A	350
CONNECTING ROD AND PISTON-STD. EQUIP. THRU 6D-214999	1.6000	68
CONNECTING ROD AND PISTON	1.6000	62
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	35
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535	1.7000	276
BALANCE WEIGHT COVER EFF. WITH 6D-218705	1.7000A	54
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	33
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	164
ROCKER COVER STD. EQUIP. PRIOR TO 6D-225521	1.8000A	82
FUEL INJECTOR STD. EQUIP. THRU 6D-93872	2.1000A	74
FUEL PUMP THRU 6D-188153	2.2000	138
FUEL PUMP EFF. WITH 6D-188154 AND STD. EQUIP. PRIOR TO 6D-220648	2.2000	182
FUEL FILTER STD. EQUIP. PRIOR TO 6D-225521	2.3000A	325
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 6D-225521	2.5000A	1327
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 6D-93652	2.7000A	1565
INJECTOR CONTROLS THRU 6D-171833	2.9000	122
INJECTOR CONTROLS EFF. WITH 6D-171834; STD. EQUIP. PRIOR TO 6D-225620	2.9000	273
AIR INLET HOUSING THRU 6D-171132	3.3000A	186
AIR INLET HOUSING EFF. WITH 6D-171133; STD. EQUIP. PRIOR TO 6D-225521	3.3000A	600
BLOWER THRU 6D-196534	3.4000	127
BLOWER EFF. WITH 6D-196535 STD. EQUIP. PRIOR TO 6D-225521	3.4000	325
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP THRU 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705	4.1000A	163
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.1000B	368
OIL PRESSURE REGULATOR THRU 6D-218704	4.1000C	14
OIL PRESSURE REGULATOR EFF. WITH 6D-218705	4.1000C	12
OIL FILTER STD. EQUIP. PRIOR TO 6D-225471	4.2000A	242
OIL FILTER LINES STD. EQUIP. PRIOR TO 6D-225471	4.3000A	149
OIL COOLER STD. EQUIP. PRIOR TO 6D-225471	4.4000A	447
OIL FILLER CAP STD. EQUIP. PRIOR TO 6D-225471	4.5000A	18
DIPSTICK	4.6000A	770
OIL PAN THRU 6D-93740	4.7000A	344
OIL PAN EFF. WITH 6D-93741; STD. EQUIP. PRIOR TO 6D-225471	4.7000A	568
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.8000A	296
FRESH WATER PUMP THRU 6D-112952	5.1000	160
FRESH WATER PUMP EFF. WITH 6D-112953	5.1000	153
WATER OUTLET ELBOW STD. EQUIP. PRIOR TO 6D-225504	5.2000A	86
THERMOSTAT STD. EQUIP. PRIOR TO 6D-225504	5.2000B	86
WATER BY-PASS TUBE STD. EQUIP. PRIOR 6D-225504	5.2000C	360
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-225471	5.3000B	242
FAN THRU 6D-164384	5.4000A	981
FAN EFF. WITH 6D-164385 AND STD. EQUIP. THRU 6D-213393	5.4000A	1164
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225504	6.1000A	239
EXHAUST MUFFLER CONNECTIONS STD. EQUIP. PRIOR TO 6D-225521	6.2000A	190
BATTERY CHARGING GENERATOR MOUNTS STD. EQUIP. PRIOR TO 6D-225521	7.1000A	1348
STARTING MOTOR THRU 6D-93127	7.3000A	260
STARTING MOTOR EFF. WITH 6D-93128; STD. EQUIP. PRIOR TO 6D-225521	7.3000A	300
TACHOMETER DRIVE STD. EQUIP. PRIOR TO 6D-93872	7.4000B	1
ENGINE MOUNTS STD. EQUIP. PRIOR TO 6D-225521	11.1000A	380

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS THRU 6D-4948	1.1000A	48
AIR BOX DRAINS EFF. WITH 6D-4949	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT THRU 6D-19048	1.3000	22
CRANKSHAFT EFF. WITH 6D-19049	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	65
CRANKSHAFT PULLEY	1.3000C	171
CRANKSHAFT PULLEY BELT	1.3000D	121
FLYWHEEL	1.4000A	328
FLYWHEEL HOUSING	1.5000A	350
CONNECTING ROD AND PISTON THRU 6D-4479	1.6000	35
CONNECTING ROD AND PISTON EFF. WITH 6D-4480	1.6000	60
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	64
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	73
FUEL FILTER	2.3000A	358
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1329
MECHANICAL GOVERNOR	2.7000A	514
INJECTOR CONTROLS	2.9000	110
THROTTLE CONTROLS	2.9000A	553
AIR INLET HOUSING	3.3000A	186
BLOWER THRU 6D-24898	3.4000	73
BLOWER EFF. WITH 6D-24899	3.4000	127
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	324
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	236
OIL COOLER	4.4000A	447
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	553
OIL PAN	4.7000A	606
VENTILATING SYSTEM	4.8000A	248
FRESH WATER PUMP THRU 6D-66896	5.1000	58
FRESH WATER PUMP EFF. WITH 6D-66897	5.1000	153
WATER OUTLET ELBOW	5.2000A	86
THERMOSTAT	5.2000B	86
WATER BY-PASS TUBE THRU 6D-66896	5.2000C	164
WATER BY-PASS TUBE EFF. WITH 6D-66897	5.2000C	360
WATER CONNECTIONS	5.3000B	242
FAN	5.4000A	503
EXHAUST MANIFOLD	6.1000A	217
EXHAUST MUFFLER CONNECTIONS	6.2000A	234
BATTERY CHARGING GENERATOR	7.1000A	1857
STARTING MOTOR	7.3000A	204
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS	1.1000A	118
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	66
CRANKSHAFT PULLEY	1.3000C	207
CRANKSHAFT PULLEY BELT	1.3000D	256
FLYWHEEL	1.4000A	626
FLYWHEEL HOUSING	1.5000A	350
CONNECTING ROD AND PISTON	1.6000	60
CAMSHAFT AND GEAR TRAIN	1.7000	35
ACCESSORY DRIVE STD. EQUIP. PRIOR TO 6D-93872	1.7000B	225
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	86
FUEL INJECTOR STD. EQUIP. PRIOR TO 6D-93872	2.1000A	56
FUEL PUMP STD. EQUIP. PRIOR TO 6D-93872	2.2000	132
FUEL FILTER	2.3000A	362
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	845
MECHANICAL GOVERNOR STD. EQUIP. PRIOR TO 6D-93872	2.7000A	889
INJECTOR CONTROLS	2.9000	122
AIR INLET HOUSING	3.3000A	186
BLOWER	3.4000	127
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	330
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	236
OIL COOLER	4.4000A	463
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	484
OIL PAN	4.7000A	274
FRESH WATER PUMP	5.1000	160
WATER OUTLET ELBOW	5.2000A	86
THERMOSTAT	5.2000B	86
WATER BY-PASS TUBE	5.2000C	360
WATER CONNECTIONS	5.3000B	167
FAN	5.4000A	646
EXHAUST MANIFOLD	6.1000A	217
BATTERY CHARGING GENERATOR	7.1000A	1509
STARTING MOTOR	7.3000A	270
POWER TAKE-OFF SUPPORT	8.1000A	275
ENGINE MOUNTS	11.1000A	380
COLD WEATHER STARTING AID	12.6000C	45

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233384	1.1000	59
CYLINDER BLOCK EFF. WITH 6D-233385	1.1000	237
AIR BOX DRAINS THRU 6D-6427	1.1000A	62
AIR BOX DRAINS EFF. WITH 6D-6428 AND STD. EQUIP. PRIOR TO 6D-72628	1.1000A	71
AIR BOX DRAINS	1.1000A	114
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225236	1.2000A	44
CRANKSHAFT THRU 6D-11886	1.3000	22
CRANKSHAFT EFF. WITH 6D-11887	1.3000	44
CRANKSHAFT FRONT COVER THRU 6D-6427	1.3000A	76
CRANKSHAFT FRONT COVER EFF. WITH 6D-6428 AND STD. EQUIP. PRIOR TO 6D-157189	1.3000A	78
FLYWHEEL STD. EQUIP. PRIOR TO 6D-225454	1.4000A	540
FLYWHEEL HOUSING THRU 6D-5190	1.5000A	308
FLYWHEEL HOUSING EFF. WITH 6D-5191 STD. EQUIP. PRIOR TO 6D-225236	1.5000A	325
CONNECTING ROD AND PISTON THRU 6D-5190	1.6000	60
CONNECTING ROD AND PISTON EFF. WITH 6D-5191 AND STD. EQUIP. PRIOR TO 6D-214999	1.6000	63
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	60
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535	1.7000	277
BALANCE WEIGHT COVER	1.7000A	55
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	46
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	165
ROCKER COVER THRU 6D-6427	1.8000A	98
ROCKER COVER EFF. WITH 6D-6428; STD. EQUIP. PRIOR TO 6D-225521	1.8000A	110
FUEL INJECTOR THRU 6D-5451	2.1000A	59
FUEL INJECTOR EFF. WITH 6D-5452; STD. EQUIP. THRU 6D-93872	2.1000A	84
FUEL INJECTOR	2.1000A	74
FUEL PUMP THRU 6D-78448	2.2000	66
FUEL PUMP EFF. WITH 6D-78449 AND THRU 6D-188447	2.2000	148
FUEL PUMP EFF. WITH 6D-188448 AND THRU 6D-196534	2.2000	179
FUEL PUMP EFF. WITH 6D-196535 AND STD. EQUIP. PRIOR TO 6D-219888	2.2000	190
FUEL FILTER THRU 6D-5451	2.3000A	294
FUEL FILTER EFF. WITH 6D-5452 AND STD. EQUIP. PRIOR TO 6D-122862	2.3000A	316
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 6D-5451	2.5000A	658
FUEL LINES EFF. WITH 6D-5452 AND STD. EQUIP. PRIOR TO 6D-122862	2.5000A	695
MECHANICAL GOVERNOR THRU 6D-33701	2.7000A	710
MECHANICAL GOVERNOR EFF. WITH 6D-33702, STD. EQUIP. PRIOR TO 6D-83965	2.7000A	1566
INJECTOR CONTROLS THRU 6D-171833	2.9000	122
INJECTOR CONTROLS EFF. WITH 6D-171834; STD. EQUIP. PRIOR TO 6D-225620	2.9000	273
AIR CLEANER ADAPTOR STD. EQUIP. PRIOR TO 6D-181888	3.1000A	265
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6D-181888	3.3000A	282
BLOWER THRU 6D-36860	3.4000	90
BLOWER EFF. WITH 6D-36861 AND THRU 6D-196534	3.4000	137
BLOWER EFF. WITH 6D-196535; STD. EQUIP. PRIOR TO 6D-225521	3.4000	320
BLOWER DRIVE SHAFT	3.4000A	35
OIL PUMP THRU 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705	4.1000A	165
OIL DISTRIBUTION SYSTEM THRU 6D-51944	4.1000B	275
OIL DISTRIBUTION SYSTEM EFF. WITH 6D-51945; STD. EQUIP. PRIOR TO 6D-225471	4.1000B	368
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO 6D-157189	4.1000C	14
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 6D-218705	4.1000C	12
OIL FILTER STD. EQUIP. PRIOR TO 6D-210953	4.2000A	194
OIL FILTER LINES STD. EQUIP. PRIOR TO 6D-210953	4.3000A	114
OIL COOLER THRU 6D-5451	4.4000A	412
OIL COOLER EFF. WITH 6D-5452; STD. EQUIP. PRIOR TO 6D-225521	4.4000A	413
OIL COOLER	4.4000A	1018
OIL FILLER THRU 6D-6427	4.5000A	55
OIL FILLER EFF. WITH 6D-6428 STD. EQUIP. PRIOR TO 6D-225471	4.5000A	74
DIPSTICK THRU 6D-5957	4.6000A	387
DIPSTICK EFF. WITH 6D-5958 AND STD. EQUIP. PRIOR TO 6D-116684	4.6000A	414
OIL PAN THRU 6D-5957	4.7000A	299
OIL PAN EFF. WITH 6D-5958 AND THRU 6D-6427	4.7000A	319
OIL PAN EFF. WITH 6D-6428 AND THRU 6D-22223	4.7000A	322
OIL PAN EFF. WITH 6D-22224; STD. EQUIP. PRIOR TO 6D-225454	4.7000A	344
FRESH WATER PUMP THRU 6D-4617	5.1000	93
FRESH WATER PUMP EFF. WITH 6D-4618 AND THRU 6D-6434	5.1000	94
FRESH WATER PUMP EFF. WITH 6D-6435 AND THRU 6D-117050	5.1000	108

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
FRESH WATER PUMP EFF. WITH 6D-117051	5.1000	192
WATER OUTLET ELBOW	5.2000A	98
THERMOSTAT THRU 6D-6434	5.2000B	126
THERMOSTAT EFF. WITH 6D-6435 AND THRU 6D-117050	5.2000B	153
THERMOSTAT EFF. WITH 6D-117051 AND STD. EQUIP. PRIOR TO 6D-192789	5.2000B	244
THERMOSTAT	5.2000B	153
WATER BY-PASS TUBE THRU 6D-117050	5.2000C	212
WATER BY-PASS TUBE EFF. WITH 6D-117051 AND STD. EQUIP. PRIOR TO 6D-192789	5.2000C	387
WATER CONNECTIONS THRU 6D-5451	5.3000B	217
WATER CONNECTIONS EFF. WITH 6D-5452 AND STD. EQUIP. PRIOR TO 6D-192789	5.3000B	219
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225504	6.1000A	257
STARTING MOTOR THRU 6D-6169	7.3000A	206
STARTING MOTOR EFF. WITH 6D-6170; STD. EQUIP. PRIOR TO 6D-225521	7.3000A	300
TACHOMETER DRIVE THRU 6D-6169	7.4000B	323
TACHOMETER DRIVE EFF. WITH 6D-6170 AND STD. EQUIP. PRIOR TO 6D-217823	7.4000B	364
AIR HEATER THRU 6D-22268	7.8000A	159
AIR HEATER EFF. WITH 6D-22269 AND THRU 6D-76394	7.8000A	165
AIR HEATER EFF. WITH 6D-76395 AND STD. EQUIP. PRIOR TO 6D-157189	7.8000A	182
ENGINE MOUNTS	11.1000A	502

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-103084	1.1000	146
CYLINDER BLOCK EFF. WITH 6D-103085 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.1000	203
CYLINDER BLOCK	1.1000	•
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000	132
CYLINDER HEAD	1.2000	•
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON THRU 6D-187522	1.6000	176
CONNECTING ROD AND PISTON EFF. WITH 6D-187523 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	204
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	191
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	148
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	181
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.4000	48
FUEL MANIFOLD CONNECTIONS	2.4000	•
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	259
INJECTOR CONTROLS	2.9000	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6D-188733	3.4000	281
BLOWER EFF. WITH 6D-188734 AND THRU 6D-196534	3.4000	330
BLOWER EFF. WITH 6D-196535 AND THRU 6D-225847	3.4000	337
BLOWER EFF. WITH 6D-225858	3.4000	438
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	•
OIL PUMP THRU 6D-218704	4.1000A	145
OIL PUMP EFF. WITH 6D-218705	4.1000A	158
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL PRESSURE REGULATOR STD. EQUIP. EFF. WITH 6D-218705	4.1000C	12
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
OIL FILLER (ON ROCKER COVER)	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	•
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET MANIFOLD	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	240
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-229174	1.2000A	44
CRANKSHAFT	1.3000	44
FLYWHEEL	1.4000A	1048
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-229174	1.5000A	325
CONNECTING ROD AND PISTON THRU 6D-231716	1.6000	270
CONNECTING ROD AND PISTON EFF. WITH 6D-231717	1.6000	288
CAMSHAFT AND GEAR TRAIN	1.7000	486
BALANCE WEIGHT COVER	1.7000A	54
VALVE OPERATING MECHANISM THRU 6D-229533	1.8000	181
VALVE OPERATING MECHANISM EFF. WITH 6D-229534	*1.8000*	*165*
ROCKER COVER STD. EQUIP. PRIOR TO 6D-229174	1.8000A	521
FUEL INJECTOR	2.1000A	231
FUEL PUMP	2.2000	202
FUEL FILTER STD. EQUIP. PRIOR TO 6D-229174	2.3000A	824
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 6D-229174	2.5000A	1690
MECHANICAL GOVERNOR	2.7000A	1568
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 6D-229174	2.9000	273
THROTTLE CONTROLS STD. EQUIP. PRIOR TO 6D-229174	2.9000A	553
BLOWER	3.4000	468
BLOWER DRIVE SHAFT	3.4000A	35
TURBOCHARGER	3.5000A	829
OIL PUMP THRU 6D-234304	4.1000A	181
OIL PUMP EFF. WITH 6D-234305	4.1000A	194
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-229174	4.1000B	492
OIL FILTER STD. EQUIP. PRIOR TO 6D-229174	4.2000A	466
OIL COOLER STD. EQUIP. PRIOR TO 6D-229174	4.4000A	1000
OIL PAN STD. EQUIP. PRIOR TO 6D-229174	4.7000A	739
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO 6D-229174	4.8000A	841
FRESH WATER PUMP	5.1000	153
THERMOSTAT STD. EQUIP. PRIOR TO 6D-229174	5.2000B	159
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-229174	5.3000B	392
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-229174	6.1000A	239
STARTING MOTOR	7.3000A	300

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233384	1.1000	59
CYLINDER BLOCK EFF. WITH 6D-233385	1.1000	237
AIR BOX DRAINS THRU 6D-236702	1.1000A	114
AIR BOX DRAINS EFF. WITH 6D-236703	1.1000A	190
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225236	1.2000A	78
CRANKSHAFT STD. EQUIP. PRIOR TO 6D-225620	1.3000	44
FLYWHEEL STD. EQUIP. PRIOR TO 6D-225454	1.4000A	808
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-225236	1.5000A	431
CONNECTING ROD AND PISTON	1.6000	181
CAMSHAFT AND GEAR TRAIN	1.7000	277
BALANCE WEIGHT COVER	1.7000A	55
ACCESSORY DRIVE	1.7000B	358
VALVE OPERATING MECHANISM	1.8000	165
ROCKER COVER	1.8000A	474
FUEL INJECTOR	2.1000A	242
FUEL PUMP	2.2000	194
FUEL FILTER STD. EQUIP. PRIOR TO 6D-225620	2.3000A	811
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 6D-225620	2.5000A	1637
MECHANICAL GOVERNOR	2.7000A	1886
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 6D-225620	2.9000	266
THROTTLE CONTROLS STD. EQUIP. PRIOR TO 6D-225620	2.9000A	982
THROTTLE CONTROLS	2.9000A	1178
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6D-225521	3.3000A	282
BLOWER STD. EQUIP. PRIOR TO 6D-225521	3.4000	322
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER	3.5000A	754
OIL PUMP	4.1000A	164
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.1000B	445
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER STD. EQUIP. PRIOR TO 6D-225620	4.2000A	349
OIL COOLER STD. EQUIP. PRIOR TO 6D-225620	4.4000A	1000
OIL FILLER	4.5000A	86
OIL PAN STD. EQUIP. PRIOR TO 6D-224545	4.7000A	344
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	756
FRESH WATER PUMP	5.1000	192
WATER OUTLET MANIFOLD STD. EQUIP. PRIOR TO 6D-225620	5.2000A	98
THERMOSTAT STD. EQUIP. PRIOR TO 6D-225620	5.2000B	153
WATER BY-PASS TUBE	5.2000C	387
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-225620	5.3000B	392
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225620	6.1000A	548
EXHAUST MUFFLER	6.2000A	405
STARTING MOTOR STD. EQUIP. PRIOR TO 6D-225521	7.3000A	300
TACHOMETER DRIVE	7.4000B	534
AIR HEATER STD. EQUIP. PRIOR TO 6D-225620	7.8000A	192
ENGINE MOUNTING STD. EQUIP. PRIOR TO 6D-225521	11.1000A	380
AIR COMPRESSOR	12.4000A	1222

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	236
AIR BOX DRAINS	1.1000A	179
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT PULLEY HUB	1.3000C	407
FLYWHEEL	1.4000A	532
FLYWHEEL HOUSING	1.5000A	325
CONNECTING ROD AND PISTON	1.6000	288
CAMSHAFT AND GEAR TRAIN	1.7000	486
BALANCE WEIGHT COVER	1.7000A	61
VALVE OPERATING MECHANISM	1.8000	165
ROCKER COVER	1.8000A	519
FUEL INJECTOR	2.1000A	229
FUEL PUMP	2.2000	194
FUEL FILTER	2.3000A	847
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1767
MECHANICAL GOVERNOR	2.7000A	1583
INJECTOR CONTROLS	2.9000	266
AIR INLET HOUSING	3.3000A	744
BLOWER	3.4000	468
BLOWER DRIVE SHAFT	3.4000A	35
TURBOCHARGER	3.5000A	1027
OIL PUMP	4.1000A	182
OIL DISTRIBUTION SYSTEM	4.1000B	445
OIL PRESSURE REGULATOR	4.1000C	14
OIL FILTER	4.2000A	487
OIL FILTER LINES	4.3000A	202
OIL COOLER	4.4000A	1037
OIL FILLER	4.5000A	161
DIPSTICK	4.6000A	1138
OIL PAN	4.7000A	654
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	839
FRESH WATER PUMP	5.1000	192
WATER OUTLET MANIFOLD	5.2000A	98
THERMOSTAT	5.2000B	351
WATER BY-PASS TUBE	5.2000C	387
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-229174	5.3000B	392
WATER CONNECTIONS	5.3000B	412
EXHAUST MANIFOLD	6.1000A	582
STARTING MOTOR	7.3000A	300
TACHOMETER DRIVE	7.4000B	364
AIR HEATER	7.8000A	196
ENGINE MOUNTING	11.1000A	685

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	237
AIR BOX DRAINS	1.1000A	179
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	61
CRANKSHAFT PULLEY	1.3000C	381
FLYWHEEL	1.4000A	532
FLYWHEEL HOUSING	1.5000A	696
CONNECTING ROD AND PISTON	1.6000	288
CAMSHAFT AND GEAR TRAIN	1.7000	486
ACCESSORY DRIVE	1.7000B	394
VALVE OPERATING MECHANISM	1.8000	165
ROCKER COVER	1.8000A	519
FUEL INJECTOR	2.1000A	229
FUEL PUMP	2.2000	254
FUEL FILTER	2.3000A	838
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1743
MECHANICAL GOVERNOR	2.7000A	1583
INJECTOR CONTROLS	2.9000	266
AIR INLET HOUSING	3.3000A	809
BLOWER	3.4000	468
BLOWER DRIVE SHAFT	3.4000A	37
TURBOCHARGER	3.5000A	998
OIL PUMP	4.1000A	182
OIL DISTRIBUTION SYSTEM	4.1000B	445
OIL PRESSURE REGULATOR	4.1000C	14
OIL FILTER	4.2000A	480
OIL COOLER	4.4000A	1107
OIL FILLER	4.5000A	161
DIPSTICK	4.6000A	1160
OIL PAN	4.7000A	770
VENTILATING SYSTEM (ON ROCKER COVER)	4.8000A	857
FRESH WATER PUMP	5:1000	262
THERMOSTAT	5.2000B	348
WATER BY-PASS TUBE	5.2000C	445
WATER CONNECTIONS	5.3000B	412
EXHAUST MANIFOLD	6.1000A	571
STARTING MOTOR	7.3000A	300
TACHOMETER DRIVE	7.4000B	364
AIR HEATER	7.8000A	195
ENGINE MOUNTING	11.1000A	680

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233384	1.1000	59
CYLINDER BLOCK EFF. WITH 6D-233385	1.1000	237
AIR BOX DRAINS	1.1000A	114
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225236	1.2000A	78
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	78
FLYWHEEL STD. EQUIP. PRIOR TO 6D-225454	1.4000A	808
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-225236	1.5000A	431
CONNECTING ROD AND PISTON THRU 6D-164402	1.6000	182
CONNECTING ROD AND PISTON EFF. WITH 6D-164403 AND STD. EQUIP. PRIOR TO 6D-214999	1.6000	181
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	60
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535	1.7000	277
BALANCE WEIGHT COVER	1.7000A	55
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	46
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	165
ROCKER COVER THRU 6D-184742	1.8000A	402
ROCKER COVER EFF. WITH 6D-184743; STD. EQUIP. PRIOR TO 6D-225521	1.8000A	474
FUEL INJECTOR	2.1000A	242
FUEL PUMP THRU 6D-188153	2.2000	166
FUEL PUMP EFF. WITH 6D-188154 AND THRU 6D-196534	2.2000	186
FUEL PUMP EFF. WITH 6D-196535	2.2000	194
FUEL FILTER STD. EQUIP. PRIOR TO 6D-190021	2.3000A	316
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 6D190021	2.5000A	1487
MECHANICAL GOVERNOR	2.7000A	1583
INJECTOR CONTROLS STD. EQUIP. PRIOR TO 6D-225620	2.9000	266
THROTTLE CONTROLS THRU 6D-162532	2.9000A	900
THROTTLE CONTROLS EFF. WITH 6D-162533, STD. EQUIP. PRIOR TO 6D-223412	2.9000A	927
THROTTLE CONTROLS	2.9000A	927
AIR CLEANER ELBOW THRU 6D-223412	3.1000A	265
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6D-225521	3.3000A	282
BLOWER THRU 6D-196534	3.4000	282
BLOWER EFF. WITH 6D-196535; STD. EQUIP. PRIOR TO 6D-225521	3.4000	322
BLOWER DRIVE SHAFT	3.4000A	17
TURBOCHARGER STD. EQUIP. PRIOR TO 6D-225620	3.5000A	754
OIL PUMP	4.1000A	165
OIL DISTRIBUTION SYSTEM	4.1000B	324
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER STD. EQUIP. PRIOR TO 6D-221605	4.2000A	194
OIL FILTER LINES STD. EQUIP. PRIOR TO 6D-221605	4.3000A	114
OIL COOLER	4.4000A	1027
OIL FILLER STD. EQUIP. PRIOR TO 6D-225521	4.5000A	86
DIPSTICK	4.6000A	559
OIL PAN	4.7000A	273
VENTILATING SYSTEM (ON ROCKER COVER) THRU 6D-184742	4.8000A	586
VENTILATING SYSTEM EFF. WITH 6D-184743; STD. EQUIP. PRIOR TO 6D-225521	4.8000A	756
FRESH WATER PUMP STD. EQUIP. PRIOR TO 6D-221606	5.1000	153
WATER OUTLET ELBOW	5.2000A	86
THERMOSTAT	5.2000B	290
WATER BY-PASS TUBE	5.2000C	360
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-221606	5.3000B	352
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-223412	6.1000A	439
EXHAUST MUFFLER CLAMP STD. EQUIP. PRIOR TO 6D-225521	6.2000A	405
STARTING MOTOR STD. EQUIP. PRIOR TO 6D-225521	7.3000A	300
TACHOMETER DRIVE STD. EQUIP. PRIOR TO 6D-155565	7.4000B	276
TACHOMETER DRIVE	7.4000B	534
AIR HEATER	7.8000A	178
ENGINE MOUNTS STD. EQUIP. PRIOR TO 6D-225521	11.1000A	380
AIR COMPRESSOR STD. EQUIP. PRIOR TO 6D-213965	12.4000A	1000
AIR COMPRESSOR	12.4000A	1230
HYDRAULIC PUMP STD. EQUIP. PRIOR TO 6D-213965	12.5000A	184

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK STD. EQUIP. PRIOR TO 6D-230055	1.1000	59
CYLINDER BLOCK	1.1000	237
AIR BOX DRAINS STD. EQUIP. PRIOR TO 6D-232193	1.1000A	129
CYLINDER HEAD STD. EQUIP. PRIOR TO 6D-236641	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225236	1.2000A	78
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	126
FLYWHEEL STD. EQUIP. PRIOR TO 6D-220648	1.4000A	532
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-225236	1.5000A	325
CONNECTING ROD AND PISTON THRU 6D-164402	1.6000	182
CONNECTING ROD AND PISTON EFF. WITH 6D-164403 AND STD. EQUIP. PRIOR TO 6D-214999	1.6000	181
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	60
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535; STD. EQUIP. PRIOR TO 6D-236641	1.7000	277
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	46
VALVE OPERATING MECHANISM EFF. WITH 6D-196535; STD. EQUIP. PRIOR TO 6D-230055	1.8000	165
ROCKER COVER STD. EQUIP. PRIOR TO 6D-225521	1.8000A	281
FUEL INJECTOR	2.1000A	80
FUEL PUMP	2.2000	194
FUEL FILTER STD. EQUIP. PRIOR TO 6D-225521	2.3000A	661
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 6D-225521	2.5000A	1466
MECHANICAL GOVERNOR	2.7000A	1583
INJECTOR CONTROLS	2.9000	266
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6D-225521	3.3000A	527
BLOWER THRU 6D-196534	3.4000	282
BLOWER EFF. WITH 6D-196535 STD. EQUIP. PRIOR TO 6D-225521	3.4000	322
BLOWER DRIVE SHAFT STD. EQUIP. PRIOR TO 6D-236641	3.4000A	35
TURBOCHARGER	3.5000A	322
OIL PUMP EFF. WITH 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705; STD. EQUIP. PRIOR TO 6D-230055	4.1000A	164
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.1000B	445
OIL PRESSURE REGULATOR STD. EQUIP. PRIOR TO 6D-230055	4.1000C	12
OIL FILTER STD. EQUIP. PRIOR TO 6D-225471	4.2000A	337
OIL FILTER LINES STD. EQUIP. PRIOR TO 6D-225471	4.3000A	175
OIL COOLER STD. EQUIP. PRIOR TO 6D-225521	4.4000A	814
OIL COOLER	4.4000A	1032
OIL FILLER STD. EQUIP. PRIOR TO 6D-225521	4.5000A	86
DIPSTICK STD. EQUIP. PRIOR TO 6D-224661	4.6000A	411
OIL PAN STD. EQUIP. PRIOR TO 6D-224545	4.7000A	344
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 6D-225521	4.8000A	585
FRESH WATER PUMP STD. EQUIP. PRIOR TO 6D-233324	5.1000	192
WATER OUTLET ELBOW STD. EQUIP. PRIOR TO 6D-225504	5.2000A	98
THERMOSTAT STD. EQUIP. PRIOR TO 6D-225504	5.2000B	154
WATER BY-PASS TUBE	5.2000C	387
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-225504	5.3000B	352
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225504	6.1000A	257
STARTING MOTOR STD. EQUIP. PRIOR TO 6D-225521	7.3000A	300
TACHOMETER DRIVE STD. EQUIP. PRIOR TO 6D-151605	7.4000B	485
AIR HEATER THRU 6D-157233	7.8000A	178
AIR HEATER EFF. WITH 6D-157234; STD. EQUIP. PRIOR TO 6D-225521	7.8000A	188

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233384	1.1000	59
CYLINDER BLOCK EFF. WITH 6D-233385	1.1000	237
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 6D-225236	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	78
FLYWHEEL STD. EQUIP. PRIOR TO 6D-225454	1.4000A	945
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-225236	1.5000A	325
CONNECTING ROD AND PISTON THRU 6D-164402	1.6000	182
CONNECTING ROD AND PISTON EFF. WITH 6D-164403 AND STD. EQUIP. PRIOR TO 6D-214999	1.6000	181
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	60
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535	1.7000	277
BALANCE WEIGHT COVER	1.7000A	55
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	46
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	165
ROCKER COVER STD. EQUIP. PRIOR TO 6D-225521	1.8000A	402
FUEL INJECTOR	2.1000A	89
FUEL PUMP	2.2000	194
FUEL FILTER STD. EQUIP. PRIOR TO 6D-225521	2.3000A	316
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES STD. EQUIP. PRIOR TO 6D-225521	2.5000A	695
MECHANICAL GOVERNOR	2.7000A	1583
INJECTOR CONTROLS THRU 6D-171833	2.9000	182
INJECTOR CONTROLS EFF. WITH 6D-171834; STD. EQUIP. PRIOR TO 6D-225620	2.9000	266
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6D-225521	3.3000A	573
BLOWER THRU 6D-196534	3.4000	282
BLOWER EFF. WITH 6D-196535; STD. EQUIP. PRIOR TO 6D-225521	3.4000	322
BLOWER DRIVE SHAFT	3.4000A	35
TURBOCHARGER STD. EQUIP. PRIOR TO 6D-225521	3.5000A	309
OIL PUMP THRU 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705	4.1000A	165
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-225471	4.1000B	368
OIL PRESSURE REGULATOR THRU 6D-218704	4.1000C	14
OIL PRESSURE REGULATOR EFF. WITH 6D-218705	4.1000C	12
OIL FILTER STD. EQUIP. PRIOR TO 6D-225471	4.2000A	194
OIL FILTER LINES STD. EQUIP. PRIOR TO 6D-225471	4.3000A	114
OIL COOLER STD. EQUIP. PRIOR TO 6D-225521	4.4000A	413
OIL COOLER	4.4000A	1018
OIL FILLER STD. EQUIP. PRIOR TO 6D-225521	4.5000A	86
DIPSTICK	4.6000A	414
OIL PAN STD. EQUIP. PRIOR TO 6D-225471	4.7000A	654
VENTILATING SYSTEM STD. EQUIP. PRIOR TO 6D-225521	4.8000A	756
FRESH WATER PUMP	5.1000	192
WATER OUTLET ELBOW STD. EQUIP. PRIOR TO 6D-225504	5.2000A	98
THERMOSTAT STD. EQUIP. PRIOR TO 6D-225504	5.2000B	153
WATER BY PASS TUBE	5.2000C	387
WATER CONNECTIONS STD. EQUIP. PRIOR TO 6D-225471	5.3000B	219
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225504	6.1000A	257
STARTING MOTOR STD. EQUIP. PRIOR TO 6D-225521	7.3000A	300
TACHOMETER DRIVE STD. EQUIP. PRIOR TO 6D-217823	7.4000B	364
AIR HEATER	7.8000A	185
ENGINE MOUNTS	11.1000A	502

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	237
AIR BOX DRAINS STD. EQUIP. PRIOR TO 6D-228877	1.1000A	114
CYLINDER HEAD STD. EQUIP. PRIOR TO 6D-219763	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER THRU 6D-113798	1.3000A	85
CRANKSHAFT FRONT COVER EFF. WITH 6D-113799; STD. EQUIP. PRIOR TO 6D-159950	1.3000A	78
FLYWHEEL STD. EQUIP. PRIOR TO 6D-222994	1.4000A	808
FLYWHEEL HOUSING STD. EQUIP. PRIOR TO 6D-219763	1.5000A	431
CONNECTING ROD AND PISTON THRU 6D-135079	1.6000	59
CONNECTING ROD AND PISTON EFF. WITH 6D-135080 AND THRU 6D-164402	1.6000	182
CONNECTING ROD AND PISTON EFF. WITH 6D-164403 AND STD. EQUIP. PRIOR TO 6D-214999	1.6000	181
CAMSHAFT AND GEAR TRAIN THRU 6D-196534	1.7000	60
CAMSHAFT AND GEAR TRAIN EFF. WITH 6D-196535 AND STD. EQUIP. PRIOR TO 6D-219763	1.7000	277
BALANCE WEIGHT COVER	1.7000A	55
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	46
VALVE OPERATING MECHANISM EFF. WITH 6D-196535 AND STD. EQUIP. PRIOR TO 6D-219763	1.8000	165
ROCKER COVER STD. EQUIP. PRIOR TO 6D-222994	1.8000A	281
FUEL INJECTOR	2.1000A	89
FUEL PUMP	2.2000	194
FUEL FILTER	2.3000A	316
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1417
MECHANICAL GOVERNOR	2.7000A	1583
INJECTOR CONTROLS THRU 6D-171833	2.9000	182
INJECTOR CONTROLS EFF. WITH 6D-171834; STD. EQUIP. PRIOR TO 6D-225620	2.9000	266
THROTTLE CONTROLS EFF. THRU 6D-162532	2.9000A	900
THROTTLE CONTROLS EFF. WITH 6D-162533 AND STD. EQUIP. PRIOR TO 6D-222994	2.9000A	927
AIR INLET HOUSING STD. EQUIP. PRIOR TO 6D-222994	3.3000A	527
BLOWER THRU 6D-196534	3.4000	282
BLOWER EFF. WITH 6D-196535; STD. EQUIP. PRIOR TO 6D-225521	3.4000	322
BLOWER DRIVE SHAFT STD. EQUIP. PRIOR TO 6D-228877	3.4000A	35
TURBOCHARGER	3.5000A	252
OIL PUMP THRU 6D-218704	4.1000A	51
OIL PUMP EFF. WITH 6D-218705	4.1000A	165
OIL DISTRIBUTION SYSTEM STD. EQUIP. PRIOR TO 6D-159950	4.1000B	368
OIL PRESSURE REGULATOR THRU 6D-218704	4.1000C	14
OIL PRESSURE REGULATOR EFF. WITH 6D-218705	4.1000C	12
OIL FILTER	4.2000A	249
OIL COOLER STD. EQUIP. PRIOR TO 6D-225521	4.4000A	413
OIL COOLER	4.4000A	1018
OIL FILLER STD. EQUIP. PRIOR TO 6D-222994	4.5000A	86
DIPSTICK STD. EQUIP. PRIOR TO 6D-157735	4.6000A	799
OIL PAN	4.7000A	344
VENTILATING SYSTEM (ON ROCKER COVER) STD. EQUIP. PRIOR TO 6D-222994	4.8000A	585
FRESH WATER PUMP THRU 6D-117050	5.1000	108
FRESH WATER PUMP EFF. WITH 6D-117051; STD. EQUIP. PRIOR TO 6D-228877	5.1000	192
WATER OUTLET ELBOW STD. EQUIP. PRIOR TO 6D-225504	5.2000A	98
THERMOSTAT STD. EQUIP. PRIOR TO 6D-225504	5.2000B	153
WATER BY-PASS TUBE	5.2000C	387
WATER CONNECTIONS	5.3000B	219
EXHAUST MANIFOLD STD. EQUIP. PRIOR TO 6D-225504	6.1000A	257
STARTING MOTOR STD. EQUIP. PRIOR TO 6D-225521	7.3000A	300
AIR HEATER	7.8000A	178

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	72
AIR BOX DRAINS	1.1000A	66
CYLINDER HEAD	1.2000	68
ENGINE LIFTER BRACKET	1.2000A	78
CRANKSHAFT THRU 6D-11886	1.3000	43
CRANKSHAFT EFF. WITH 6D-11887	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	85
FLYWHEEL	1.4000A	532
FLYWHEEL HOUSING	1.5000A	326
CONNECTING ROD AND PISTON	1.6000	59
CAMSHAFT AND GEAR TRAIN	1.7000	60
VALVE OPERATING MECHANISM	1.8000	48
ROCKER COVER	1.8000A	115
FUEL INJECTOR STD. EQUIP. PRIOR TO 6D-93872	2.1000A	80
FUEL PUMP THRU 6D-78448	2.2000	66
FUEL PUMP EFF. WITH 6D-78449	2.2000	128
FUEL FILTER	2.3000A	294
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	658
MECHANICAL GOVERNOR THRU 6D-9819	2.7000A	547
MECHANICAL GOVERNOR EFF. WITH 6D-9820, STD. EQUIP. PRIOR TO 6D-83965	2.7000A	898
INJECTOR CONTROLS THRU 6D-84347	2.9000	122
INJECTOR CONTROLS EFF. WITH 6D-84348	2.9000	182
AIR INLET HOUSING	3.3000A	274
BLOWER THRU 6D-36860	3.4000	90
BLOWER EFF. WITH 6D-36861	3.4000	137
BLOWER DRIVE SHAFT	3.4000A	35
TURBOCHARGER	3.5000A	99
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	297
OIL PRESSURE REGULATOR	4.1000C	14
OIL FILTER	4.2000A	249
OIL COOLER	4.4000A	405
OIL FILLER	4.5000A	77
DIPSTICK	4.6000A	411
OIL PAN	4.7000A	344
FRESH WATER PUMP THRU 6D-7324	5.1000	94
FRESH WATER PUMP EFF. WITH 6D-7325 AND THRU 6D-117050	5.1000	108
FRESH WATER PUMP EFF. WITH 6D-117051	5.1000	192
WATER OUTLET MANIFOLD	5.2000A	98
THERMOSTAT THRU 6D-117050	5.2000B	154
THERMOSTAT EFF. WITH 6D-117051	5.2000B	243
WATER BY-PASS TUBE THRU 6D-117050	5.2000C	212
WATER BY-PASS TUBE EFF. WITH 6D-117051	5.2000C	387
WATER CONNECTIONS	5.3000B	218
EXHAUST MANIFOLD	6.1000A	257
STARTING MOTOR	7.3000A	260
TACHOMETER DRIVE	7.4000B	485
AIR HEATER THRU 6D-76394	7.8000A	164
AIR HEATER EFF. WITH 6D-76395	7.8000A	178
ENGINE MOUNTS	11.1000A	601

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	59
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	22
CRANKSHAFT FRONT COVER	1.3000A	78
FLYWHEEL	1.4000A	532
FLYWHEEL HOUSING THRU 6D-6169	1.5000A	309
FLYWHEEL HOUSING EFF. WITH 6D-6170	1.5000A	325
CONNECTING ROD AND PISTON	1.6000	63
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	46
ROCKER COVER	1.8000A	118
FUEL INJECTOR	2.1000A	89
FUEL PUMP	2.2000	66
FUEL FILTER	2.3000A	294
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	658
MECHANICAL GOVERNOR	2.7000A	710
INJECTOR CONTROLS	2.9000	122
AIR INLET HOUSING	3.3000A	273
BLOWER	3.4000	90
BLOWER DRIVE SHAFT THRU 6D-10933	3.4000A	17
BLOWER DRIVE SHAFT EFF. WITH 6D-10934	3.4000A	35
TURBOCHARGER	3.5000A	98
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	275
OIL PRESSURE REGULATOR	4.1000C	14
OIL FILTER	4.2000A	194
OIL FILTER LINES	4.3000A	114
OIL COOLER	4.4000A	404
OIL FILLER	4.5000A	55
OIL FILLER TUBE	4.5000A	77
DIPSTICK THRU 6D-6169	4.6000A	364
DIPSTICK EFF. WITH 6D-6170	4.6000A	411
OIL PAN THRU 6D-6169	4.7000A	299
OIL PAN EFF. WITH 6D-6170	4.7000A	322
FRESH WATER PUMP THRU 6D-6434	5.1000	94
FRESH WATER PUMP EFF. WITH 6D-6435 AND THRU 6D-117050	5.1000	108
FRESH WATER PUMP EFF. WITH 6D-117051	5.1000	192
WATER OUTLET ELBOW	5.2000A	98
THERMOSTAT THRU 6D-6434	5.2000B	124
THERMOSTAT EFF. WITH 6D-6435 AND THRU 6D-117050	5.2000B	154
THERMOSTAT EFF. WITH 6D-117051	5.2000B	243
WATER BY-PASS TUBE	5.2000C	212
WATER CONNECTIONS	5.3000B	216
EXHAUST MANIFOLD	6.1000A	234
STARTING MOTOR 24V. THRU 6D-6169	7.3000A	206
STARTING MOTOR 24V., EFF. WITH 6D-6170	7.3000A	260
TACHOMETER DRIVE STD. EQUIP. PRIOR TO 6D-6170	7.4000B	344
AIR HEATER	7.8000A	157

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK THRU 6D-233419	1.1000	31
CYLINDER BLOCK EFF. WITH 6D-233420	1.1000	146
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.2000A	44
ENGINE LIFTER BRACKET	1.2000A	•
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	•
CRANKSHAFT PULLEY	1.3000C	•
CRANKSHAFT PULLEY BELT	1.3000D	•
FLYWHEEL	1.4000A	•
FLYWHEEL HOUSING	1.5000A	•
CONNECTING ROD AND PISTON STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	1.6000	62
CONNECTING ROD AND PISTON	1.6000	•
CAMSHAFT AND GEAR TRAIN	1.7000	35
BALANCE WEIGHT COVER	1.7000A	•
VALVE OPERATING MECHANISM THRU 6D-196534	1.8000	33
VALVE OPERATING MECHANISM EFF. WITH 6D-196535	1.8000	164
ROCKER COVER	1.8000A	•
FUEL INJECTOR	2.1000A	•
FUEL PUMP	2.2000	•
FUEL FILTER	2.3000A	•
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	•
MECHANICAL GOVERNOR	2.7000A	•
INJECTOR CONTROLS THRU 6D-171833	2.9000	122
INJECTOR CONTROLS EFF. WITH 6D-171834 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	2.9000	273
INJECTOR CONTROLS	2.9000	•
THROTTLE CONTROLS	2.9000A	•
AIR INLET HOUSING	3.3000A	•
BLOWER THRU 6D-196534	3.4000	127
BLOWER EFF. WITH 6D-196535 AND STD. EQUIP. PRIOR TO BEING SHOWN ON OPTION PLATE	3.4000	325
BLOWER	3.4000	•
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	•
OIL PRESSURE REGULATOR	4.1000C	•
OIL FILTER	4.2000A	•
OIL COOLER	4.4000A	•
OIL FILLER	4.5000A	•
DIPSTICK	4.6000A	•
OIL PAN	4.7000A	606
VENTILATING SYSTEM	4.8000A	•
FRESH WATER PUMP	5.1000	•
WATER OUTLET ELBOW	5.2000A	•
THERMOSTAT	5.2000B	•
WATER BY-PASS TUBE	5.2000C	•
WATER CONNECTIONS	5.3000B	•
FAN	5.4000A	•
EXHAUST MANIFOLD	6.1000A	•
EXHAUST MUFFLER CONNECTIONS	6.2000A	•
BATTERY CHARGING GENERATOR	7.1000A	•
STARTING MOTOR	7.3000A	•

• STANDARD OPTION REFER TO OPTION PLATE.

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS THRU 6D-4948	1.1000A	48
AIR BOX DRAINS EFFECTIVE WITH 4D-4949	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	22
CRANKSHAFT FRONT COVER	1.3000A	63
CRANKSHAFT PULLEY	1.3000C	137
CRANKSHAFT PULLEY BELT	1.3000D	92
FLYWHEEL (ROCKFORD 14" RT CLUTCH)	1.4000A	376
FLYWHEEL (ROCKFORD 14" TT CLUTCH)	1.4000A	328
FLYWHEEL HOUSING	1.5000A	211
FLYWHEEL HOUSING	1.5000A	208
CONNECTING ROD AND PISTON	1.6000	35
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER (WITH OIL FILLER IN BOTH COVERS)	1.8000A	53
ROCKER COVER (WITH OIL FILLER IN ONE COVER)	1.8000A	64
FUEL INJECTOR	2.1000A	51
FUEL INJECTOR	2.1000A	52
FUEL PUMP (MOUNTED ON L. BANK CAMSHAFT)	2.2000	50
FUEL FILTER	2.3000A	221
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	523
MECHANICAL GOVERNOR (VARIABLE SPEED, LESS THROTTLE LEVER)	2.7000A	514
MECHANICAL GOVERNOR (VARIABLE SPEED WITH THROTTLE LEVER)	2.7000A	512
MECHANICAL GOVERNOR (LIMITING SPEED)	2.7000A	515
INJECTOR CONTROLS	2.9000	110
THROTTLE CONTROLS (VARIABLE SPEED GOVERNOR)	2.9000A	553
AIR CLEANER (HEAVY DUTY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	3.1000A	242
AIR INLET HOUSING (MANUAL SHUTDOWN)	3.3000A	186
BLOWER	3.4000	73
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	199
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER (MOUNTED ON BLOCK)	4.2000A	135
OIL FILTER (REMOTE MOUNTED)	4.2000A	144
OIL FILTER LINES (REMOTE MOUNTED FILTER, ADAPTOR ONLY)	4.3000A	93
OIL COOLER (ENGINE OIL ONLY)	4.4000A	302
OIL FILLER (IN BOTH ROCKER COVERS)	4.5000A	55
OIL FILLER (IN ONE ROCKER COVER)	4.5000A	18
DIPSTICK	4.6000A	140
OIL PAN (15 DEG. INCLINED OPERATION)	4.7000A	146
VENTILATING SYSTEM STD. EQUIP. PRIOR TO6D-028	4.8000A	237
VENTILATING SYSTEM	4.8000A	251
FRESH WATER PUMP	5.1000	57
WATER OUTLET ELBOW (VERTICAL)	5.2000A	86
WATER OUTLET ELBOW (30 DEG. INCLINED)	5.2000A	87
THERMOSTAT	5.2000B	86
WATER BY-PASS TUBE	5.2000C	164
WATER CONNECTIONS	5.3000B	156
FAN (SUCTION, 22" - 5 BLADE)	5.4000A	362
FAN (BLOWER, 22" - 5 BLADE)	5.4000A	352
EXHAUST MANIFOLD (WITH MANUAL OR NO SHUTDOWN)	6.1000A	217
EXHAUST MANIFOLD (WITH MECHANICAL SHUTDOWN)	6.1000A	211
EXHAUST FLANGE (3" PIPE THREAD)	6.2000A	234
EXHAUST MUFFLER (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	6.2000A	175
BATTERY CHARGING GENERATOR (12V., 25 AMP.)	7.1000A	769
STARTING MOTOR (12V.)	7.3000A	204
INSTRUMENT PANEL (5' CAPILLARY)	7.4000A	372
INSTRUMENT PANEL (10' CAPILLARY)	7.4000A	373
INSTRUMENT PANEL (15' CAPILLARY)	7.4000A	374
INSTRUMENT PANEL (TACHOMETER ONLY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000A	415
TACHOMETER DRIVE (DRIVEN FROM R. BANK CAMSHAFT) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	7.4000B	208

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
ENGINE MOUNTS (STATIONARY) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	404
ENGINE MOUNTS (FRONT TRUNNION) (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	11.1000A	380
COLD WEATHER STARTING AID (FACTORY FURNISHED ONLY WHEN TYPE NUMBER APPEARS ON OPTION PLATE.)	12.6000C	3

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	31
AIR BOX DRAINS	1.1000A	62
CYLINDER HEAD	1.2000	26
ENGINE LIFTER BRACKET	1.2000A	44
CRANKSHAFT	1.3000	44
CRANKSHAFT FRONT COVER	1.3000A	65
CRANKSHAFT PULLEY	1.3000C	207
CRANKSHAFT PULLEY BELT	1.3000D	154
FLYWHEEL	1.4000A	705
FLYWHEEL HOUSING	1.5000A	340
CONNECTING ROD AND PISTON	1.6000	60
CAMSHAFT AND GEAR TRAIN	1.7000	35
VALVE OPERATING MECHANISM	1.8000	33
ROCKER COVER	1.8000A	171
FUEL INJECTOR	2.1000A	56
FUEL PUMP	2.2000	72
FUEL FILTER	2.3000A	530
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1101
FUEL TANK	2.6000A	22
MECHANICAL GOVERNOR	2.7000A	514
INJECTOR CONTROLS	2.9000	122
THROTTLE CONTROLS	2.9000A	826
AIR CLEANER	3.1000A	343
AIR INLET HOUSING	3.3000A	403
BLOWER	3.4000	127
BLOWER DRIVE SHAFT	3.4000A	17
OIL PUMP	4.1000A	51
OIL DISTRIBUTION SYSTEM	4.1000B	324
OIL PRESSURE REGULATOR	4.1000C	12
OIL FILTER	4.2000A	236
OIL COOLER	4.4000A	447
OIL FILLER	4.5000A	51
DIPSTICK	4.6000A	553
OIL PAN	4.7000A	241
VENTILATING SYSTEM	4.8000A	248
FRESH WATER PUMP	5.1000	133
WATER OUTLET ELBOW	5.2000A	86
THERMOSTAT	5.2000B	86
WATER BY-PASS TUBE	5.2000C	164
RADIATOR	5.3000A	130
WATER CONNECTIONS	5.3000B	279
FAN	5.4000A	738
FAN SHROUD	5.4000B	66
EXHAUST MANIFOLD	6.1000A	336
EXHAUST MUFFLER CONNECTIONS	6.2000A	361
INSTRUMENTS	7.4000A	784
OVERSPEED GOVERNOR	7.4000C	739
SHUT-OFF	7.4000C	738
POWER TAKE-OFF	8.1000A	320
ENGINE HOODS	10.1000A	134
ENGINE MOUNTS	11.1000A	568
ENGINE BASE	11.1000A	563
COLD WEATHER STARTING AID	12.6000C	57
HYDRAULIC STARTER	12.6000D	184

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	65
AIR BOX DRAINS THRU 8D-434	1.1000A	70
AIR BOX DRAINS EFF. WITH 8D-435	1.1000A	85
CYLINDER HEAD	1.2000	61
ENGINE LIFTER BRACKET	1.2000A	80
CRANKSHAFT THRU 8D-151	1.3000	36
CRANKSHAFT EFF. WITH 8D-152	1.3000	40
CRANKSHAFT FRONT COVER THRU 8D-151	1.3000A	80
CRANKSHAFT FRONT COVER EFF. WITH 8D-152	1.3000A	89
CRANKSHAFT PULLEY	1.3000C	259
FLYWHEEL	1.4000A	660
FLYWHEEL HOUSING	1.5000A	451
CONNECTING ROD AND PISTON	1.6000	68
CAMSHAFT AND GEAR TRAIN THRU 8D-4650	1.7000	62
CAMSHAFT AND GEAR TRAIN EFF. WITH 8D-4651	1.7000	106
VALVE OPERATING MECHANISM	1.8000	50
ROCKER COVER	1.8000A	108
FUEL INJECTOR	2.1000A	93
FUEL PUMP THRU 8D-4719	2.2000	72
FUEL PUMP EFF. WITH 8D-4720 AND THRU 8D-6784	2.2000	131
FUEL PUMP EFF. WITH 8D-6785	2.2000	191
FUEL FILTER THRU 8D-1159	2.3000A	313
FUEL FILTER EFF. WITH 8D-1160	2.3000A	430
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 8D-336	2.5000A	688
FUEL LINES EFF. WITH 8D-337 AND THRU 8D-607	2.5000A	912
FUEL LINES EFF. WITH 8D-608 AND THRU 8D-1211	2.5000A	1007
FUEL LINES EFF. WITH 8D-1212 AND THRU 8D-2700	2.5000A	1015
FUEL LINES EFF. WITH 8D-2701	2.5000A	1116
FUEL LINES	2.5000A	1345
MECHANICAL GOVERNOR	2.7000A	872
INJECTOR CONTROLS	2.9000	163
THROTTLE CONTROLS	2.9000A	805
AIR SILENCER	3.2000A	34
AIR INLET HOUSING	3.3000A	291
BLOWER THRU 8D-4507	3.4000	95
BLOWER EFF. WITH 8D-4508 AND THRU 8D-4650	3.4000	178
BLOWER EFF. WITH 8D-4651	3.4000	183
BLOWER DRIVE SHAFT	3.4000A	31
OIL PUMP THRU 8D-173	4.1000A	78
OIL PUMP EFF. WITH 8D-174 AND THRU 8D-4610	4.1000A	83
OIL PUMP EFF. WITH 8D-4611	4.1000A	130
OIL DISTRIBUTION SYSTEM	4.1000B	423
OIL PRESSURE REGULATOR	4.1000C	16
OIL FILTER	4.2000A	240
OIL FILTER LINES	4.3000A	139
OIL COOLER (ENGINE)	4.4000A	421
OIL COOLER (MARINE GEAR)	4.4000A	601
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	508
OIL PAN	4.7000A	338
VENTILATING SYSTEM	4.8000A	541
FRESH WATER PUMP THRU 8D-3940	5.1000	98
FRESH WATER PUMP EFF. WITH 8D-3941	5.1000	154
THERMOSTAT	5.2000B	88
WATER BY-PASS TUBE	5.2000C	401
WATER CONNECTIONS	5.3000B	228
HEAT EXCHANGER	5.5000A	384
RAW WATER PUMP	5.6000A	54
EXHAUST MANIFOLD THRU 8D-3520	6.1000A	126
EXHAUST MANIFOLD EFF. WITH 8D-3521	6.1000A	397
EXHAUST MUFFLER CONNECTIONS	6.2000A	187
BATTERY CHARGING GENERATOR	7.1000A	1264
STARTING MOTOR	7.3000A	208
HYDRAULIC MARINE GEAR	9.1000A	836
ENGINE MOUNTS	11.1000A	582

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	65
AIR BOX DRAINS THRU 8D-434	1.1000A	68
AIR BOX DRAINS EFF. WITH 8D-435	1.1000A	84
CYLINDER HEAD	1.2000	61
ENGINE LIFTER BRACKET STD. EQUIP. PRIOR TO 8D-115	1.2000A	97
CRANKSHAFT THRU 8D-151	1.3000	36
CRANKSHAFT EFF. WITH 8D-152	1.3000	40
CRANKSHAFT FRONT COVER	1.3000A	89
CRANKSHAFT PULLEY	1.3000C	261
CRANKSHAFT PULLEY BELT	1.3000D	185
FLYWHEEL	1.4000A	573
FLYWHEEL HOUSING	1.5000A	381
CONNECTING ROD AND PISTON	1.6000	68
CAMSHAFT AND GEAR TRAIN THRU 8D-4650	1.7000	62
CAMSHAFT AND GEAR TRAIN EFF. WITH 8D-4651	1.7000	106
VALVE OPERATING MECHANISM	1.8000	50
ROCKER COVER	1.8000A	183
FUEL INJECTOR	2.1000A	76
FUEL PUMP	2.2000	140
FUEL FILTER	2.3000A	329
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES	2.5000A	1341
MECHANICAL GOVERNOR	2.7000A	900
INJECTOR CONTROLS	2.9000	136
THROTTLE CONTROLS	2.9000A	712
AIR INLET HOUSING	3.3000A	151
BLOWER	3.4000	95
BLOWER DRIVE SHAFT	3.4000A	31
OIL PUMP	4.1000A	130
OIL DISTRIBUTION SYSTEM	4.1000B	301
OIL PRESSURE REGULATOR	4.1000C	16
OIL FILTER	4.2000A	236
OIL COOLER	4.4000A	415
OIL FILLER	4.5000A	18
DIPSTICK	4.6000A	515
OIL PAN	4.7000A	361
VENTILATING SYSTEM	4.8000A	533
FRESH WATER PUMP THRU 8D-3884	5.1000	97
FRESH WATER PUMP EFF. WITH 8D-3885	5.1000	153
WATER OUTLET ELBOW	5.2000A	106
THERMOSTAT STD. EQUIP. PRIOR TO 8D-2556	5.2000B	86
WATER BY-PASS TUBE	5.2000C	216
FAN	5.4000A	573
EXHAUST MANIFOLD	6.1000A	218
EXHAUST MUFFLER CONNECTIONS	6.2000A	243
BATTERY CHARGING GENERATOR 24V., 30 AMP.	7.1000A	1101
STARTING MOTOR	7.3000A	35
INSTRUMENTS	7.4000A	372

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STANDARD AND STANDARD OPTION EQUIPMENT

GROUP NAME	GROUP NO.	TYPE
CYLINDER BLOCK	1.1000	105
AIR BOX DRAINS	1.1000A	96
CYLINDER HEAD	1.2000	61
ENGINE LIFTER BRACKET	1.2000A	159
CRANKSHAFT	1.3000	48
CRANKSHAFT FRONT COVER	1.3000A	110
FLYWHEEL	1.4000A	736
FLYWHEEL HOUSING	1.5000A	447
CONNECTING ROD AND PISTON	1.6000	110
CAMSHAFT AND GEAR TRAIN	1.7000	62
VALVE OPERATING MECHANISM	1.8000	62
ROCKER COVER	1.8000A	239
FUEL INJECTOR THRU 8D-4568	2.1000A	80
FUEL INJECTOR EFF. WITH 8D-4569. STD. EQUIP. THRU 8D-5783	2.1000A	102
FUEL PUMP THRU 8D-4704	2.2000	102
FUEL PUMP EFF. WITH 8D-4705	2.2000	159
FUEL FILTER	2.3000A	508
FUEL MANIFOLD CONNECTIONS	2.4000	48
FUEL LINES THRU 8D-4666	2.5000A	1045
FUEL LINES EFF. WITH 8D-4667	2.5000A	1321
MECHANICAL GOVERNOR	2.7000A	1204
INJECTOR CONTROLS	2.9000	193
AIR INLET HOUSING	3.3000A	468
BLOWER	3.4000	177
BLOWER DRIVE SHAFT	3.4000A	31
TURBOCHARGER	3.5000A	163
OIL PUMP	4.1000A	112
OIL DISTRIBUTION SYSTEM	4.1000B	362
OIL PRESSURE REGULATOR	4.1000C	16
OIL FILTER	4.2000A	127
OIL COOLER	4.4000A	569
OIL FILLER	4.5000A	55
DIPSTICK	4.6000A	623
OIL PAN	4.7000A	542
VENTILATING SYSTEM	4.8000A	585
FRESH WATER PUMP	5.1000	134
THERMOSTAT	5.2000B	191
WATER BY-PASS TUBE	5.2000C	295
WATER CONNECTIONS	5.3000B	288
EXHAUST MANIFOLD	6.1000A	356
STARTING MOTOR	7.3000A	244
TACHOMETER DRIVE STD. EQUIP. PRIOR TO 8D-6730	7.4000B	1
AIR HEATER	7.8000A	172

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GROUP NOMENCLATURE

1.0000	ENGINE (less major assemblies)
1.1000	Cylinder Block
1.1000A	Air Box Drains
1.2000	Cylinder Head
1.2000A	Engine Lifter Bracket
1.3000	Crankshaft, Oil Seals and Stabilizers
1.3000A	Crankshaft Front Cover
1.3000B	Vibration Damper
1.3000C	Crankshaft Pulley
1.3000D	Crankshaft Pulley Belt
1.4000A	Flywheel
1.5000A	Flywheel Housing
1.5000B	Flywheel Housing Adaptor
1.6000	Connecting Rod and Piston
1.7000	Camshaft and Gear Train
1.7000A	Balance Weight Cover
1.7000B	Accessory Drive
1.8000	Valve Injector Operating Mechanism
1.8000A	Rocker Cover
2.0000	FUEL SYSTEM
2.1000A	Fuel Injector
2.1000B	Electronic Injector Controls
2.2000	Fuel Pump
2.2000A	Fuel Pump Drain
2.3000A	Fuel Filter and Strainer
2.3000A	Fuel Filter and Strainer (Twin and Quad)
2.4000	Fuel Manifold and/or Connections
2.4000A	Dual Fuel System
2.5000A	Fuel Lines and Fuel Cooler
2.5000A	Fuel Lines and Fuel Cooler (Twin and Quad)
2.6000A	Fuel Tank
2.6000B	Electric Governor
2.7000A	Mechanical Governor
2.8000A	Hydraulic Governor
2.9000	Injector Controls
2.9000	Injector Controls (Twin and Quad)
2.9000A	Throttle Controls
2.9000A	Throttle Controls (Twin and Quad)
3.0000	AIR SYSTEM
3.1000A	Air Cleaner and/or Adaptor
3.2000A	Air Silencer
3.3000A	Air Inlet Housing
3.3000C	Air Intake Manifold
3.4000	Blower and Drive
3.4000A	Blower Drive Shaft
3.4000B	Bloer End Plate Cover
3.5000A	Turbocharger, Intercooler, and Aftercooler
4.0000	LUBRICATING SYSTEM
4.1000A	Oil Pump
4.1000B	Oil Distribution System
4.1000C	Oil Pressure Regulator
4.2000A	Oil Filter
4.3000A	Oil Filter Lines
4.4000A	Oil Cooler and Marine Gear Lines
4.5000A	Oil Filler
4.6000A	Dipstick
4.7000A	Oil Pan
4.8000A	Ventilating System
5.0000	COOLING SYSTEM
5.1000	Fresh Water Pump
5.1000A	Fresh Water Pump Cover
5.2000A	Water Outlet Manifold and/or Elbow
5.2000B	Thermostat
5.2000C	Water Bypass Tube
5.3000A	Radiator
5.0000	COOLING SYSTEM (CONT'D)
5.3000B	Water Connections
5.4000A	Fan
5.4000B	Fan Shroud
5.5000A	Heat Exchanger or Keel Cooling
5.6000A	Raw Water Pump
5.7000A	Water Filter
6.0000	EXHAUST SYSTEM
6.1000A	Exhaust Manifold and/or Connections
6.2000A	Exhaust Muffler and/or Connections
7.0000	ELECTRICAL INSTRUMENTS
7.1000A	Battery Charging Generator
7.2000A	Battery Cables
7.2000B	Automatic Starting
7.2000B	Automatic Starting (Twin and Quad)
7.3000A	Starting Motor
7.4000A	Instruments
7.4000A	Instruments (Twin and Quad)
7.4000B	Tachometer Drive
7.4000B	Tachometer Drive (Twin and Quad)
7.4000C	Shutoff, Alarm and O.S. Governor
7.4000C	Shutoff, Alarm and O.S. Governor (Twin and Quad)
7.5000A	Power Generator
7.6000A	Control Cabinet
7.6000A	Control Cabinet (Twin and Quad)
7.7000A	Wiring Harness
7.8000A	Air Heater
7.8000A	Air Heater (Twin and Quad)
7.10000A	Hydraulic Governor Solenoid
8.0000	POWER TAKE-OFF
8.1000A	Power Take-off and/or Clutch
8.1000A	Power Take-off and/or Clutch (Twin and Quad)
8.3000A	Torque Converter
8.3000A	Torque Converter (Twin and Quad)
8.3000B	Transmission Lines
9.0000	TRANSMISSION AND PROPULSION
9.1000A	Hydraulic Marine Gear
9.1000A	Hydraulic Marine Gear (Twin and Quad)
9.2000A	Reverse and Reduction Gear (mechanical)
9.3000A	Power Transfer Gear
9.3000A	Power Transfer Gear (Twin and Quad)
9.4000	Transmission—Highway
9.7000	Transmission—Off-highway
9.9000	Transmission—Rail Car
10.0000	SHEET METAL
10.1000A	Engine Hood
11.0000	ENGINE MOUNTING
11.1000A	Engine Mounting and Base
11.1000A	Engine Mounting and Base (Twin and Quad)
12.0000	MISCELLANEOUS
12.2000A	Bilge Pump
12.3000A	Vacuum Pump
12.4000A	Air Compressor
12.5000A	Hydraulic Pump
12.6000A	Gasoline Starter
12.6000B	Air Starter
12.6000C	Cold Weather Starting Aid
12.6000D	Hydraulic Starter
12.6000E	Hydraulic Starter Accessories
12.8000A	Supplies
12.8000B	Fabrication Material
12.8000C	Miscellaneous Service Kits and Sets
12.8000D	Miscellaneous Service Parts

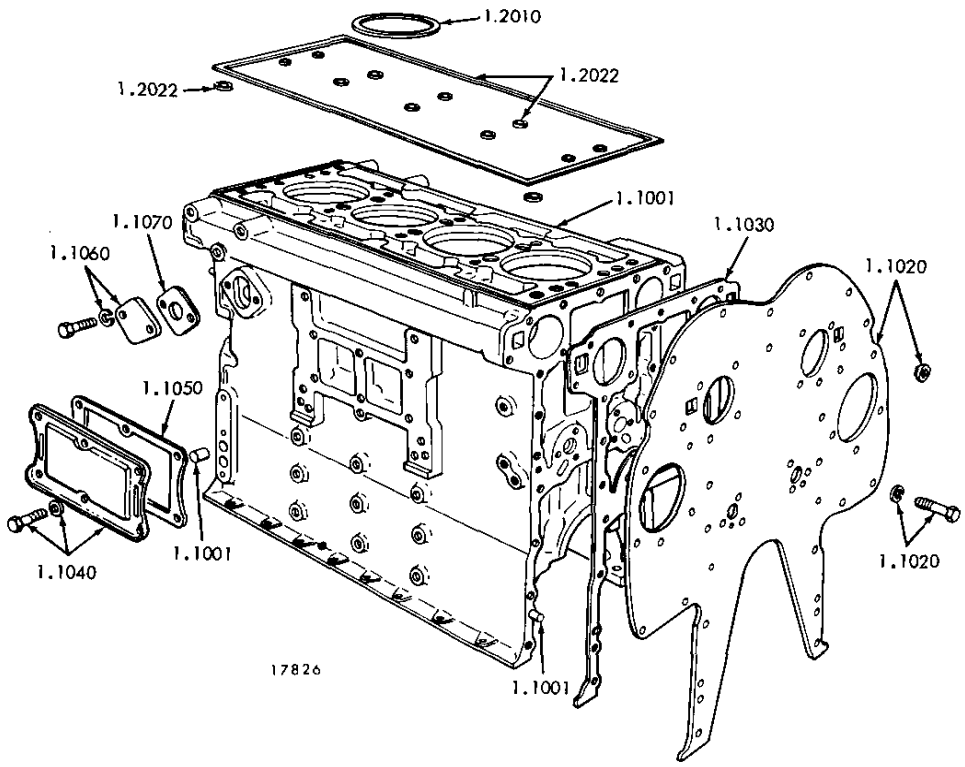


FIG. 1A - CYLINDER BLOCK (IN-LINE MODELS)

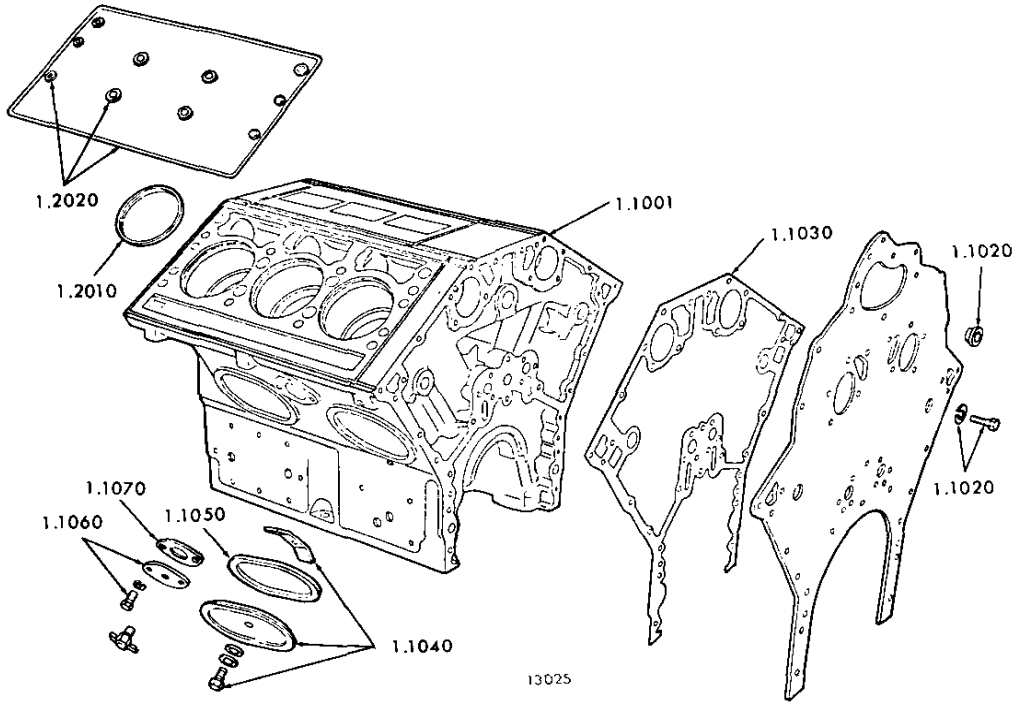


FIG. 1B - CYLINDER BLOCK (V-MODELS)

Figs. 1A & 1B of 1.0000

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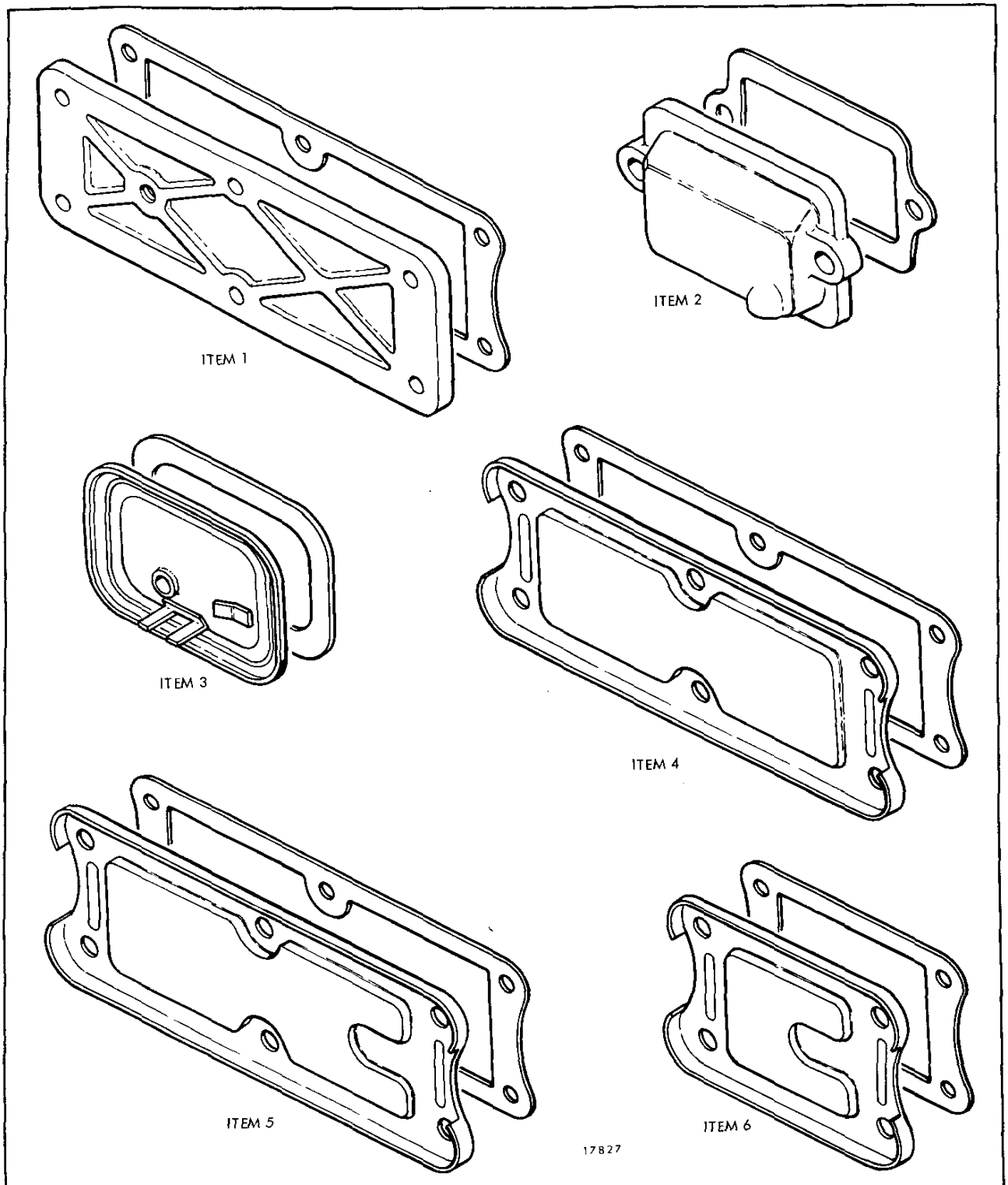


FIG. 1C - CYLINDER BLOCK HAND HOLE COVER

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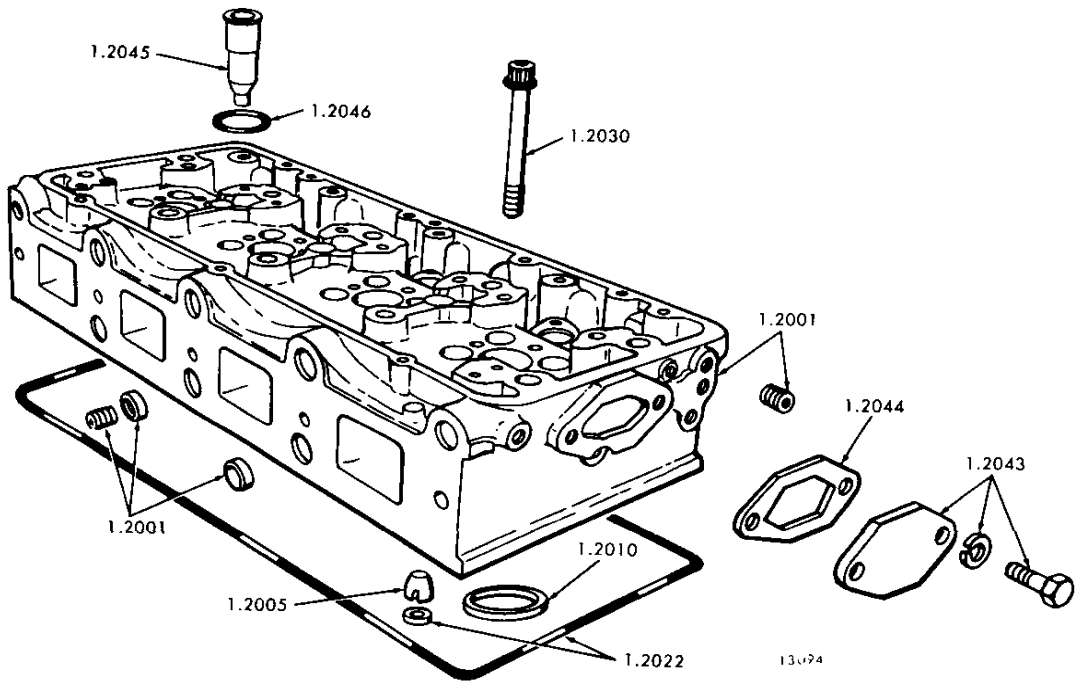


FIG. 2A CYLINDER HEAD

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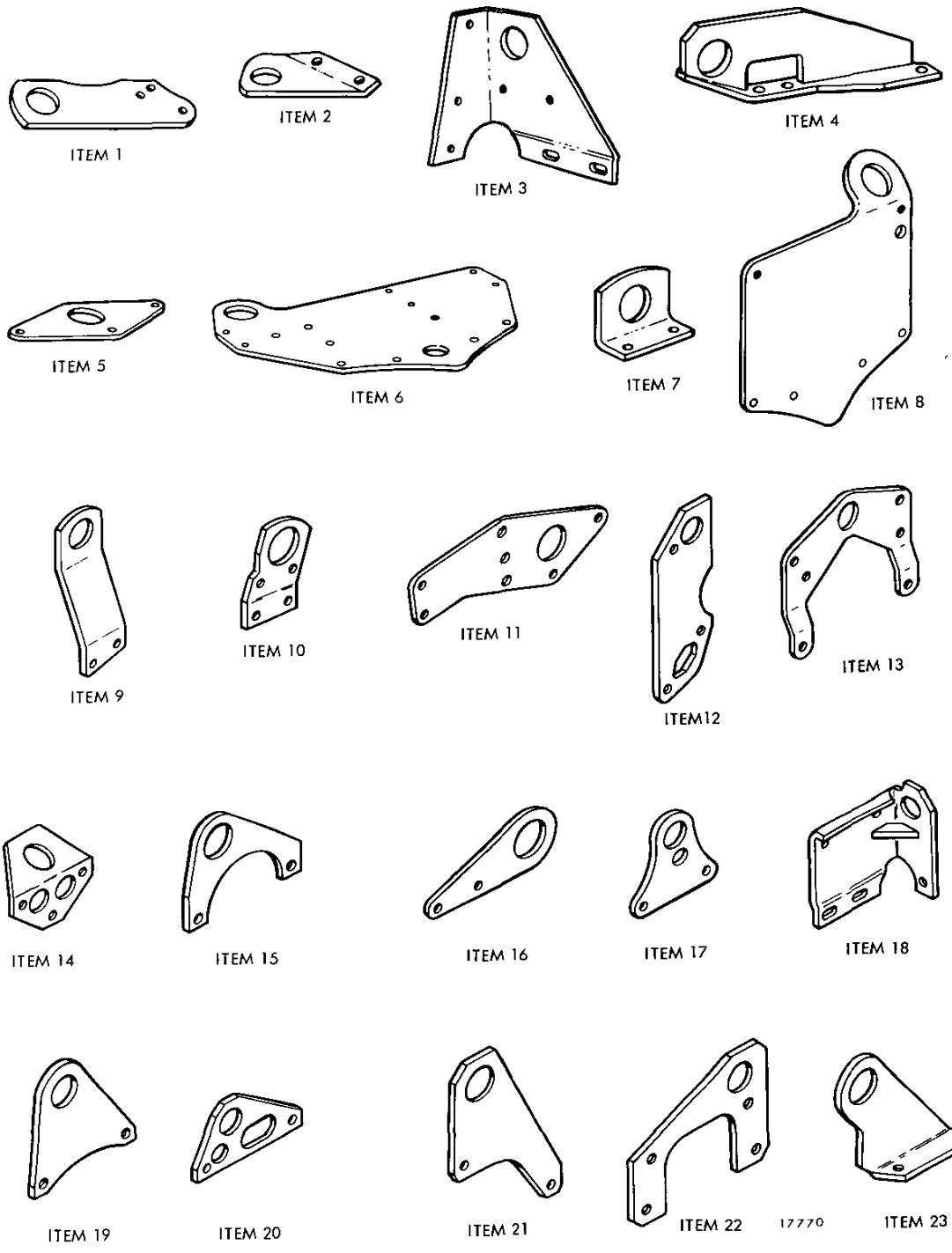


FIG. 2B LIFTER BRACKETS

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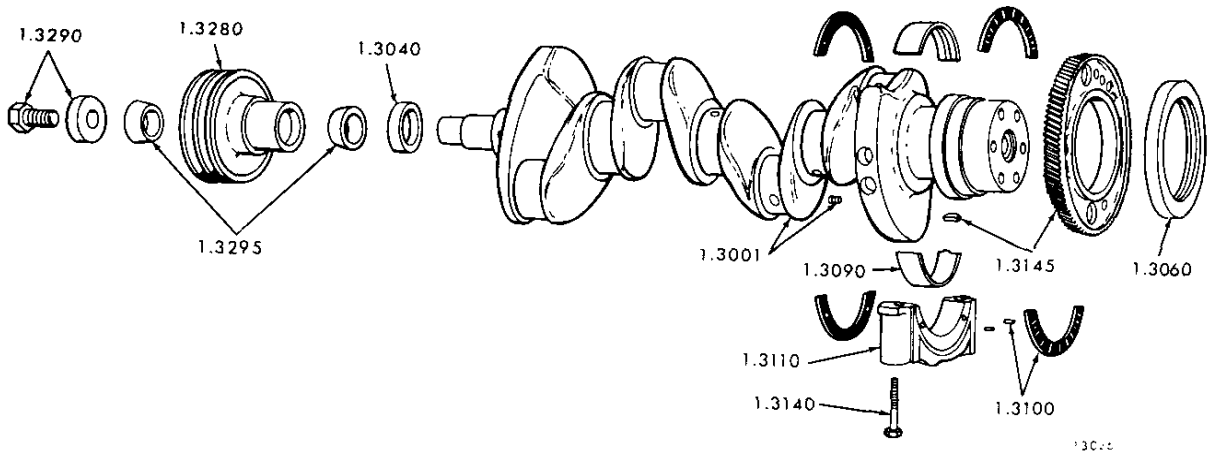


FIG. 3A - CRANKSHAFT (4-53)

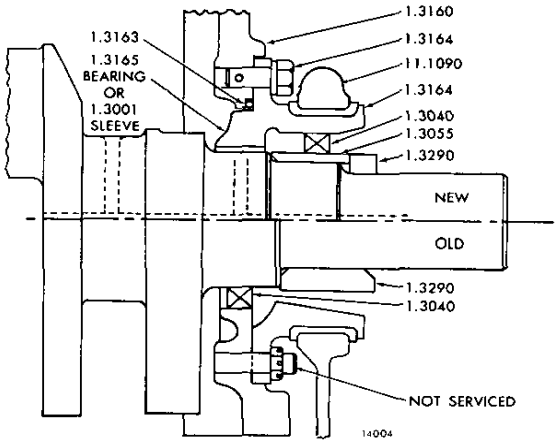


FIG. 3B-CRANKSHAFT (8V-53)

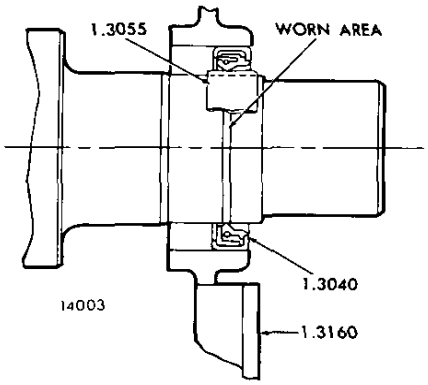


FIG. 3C-CRANKSHAFT (2-3-4-6V-53)

Figs. 3A, 3B of 3C of 1.0000

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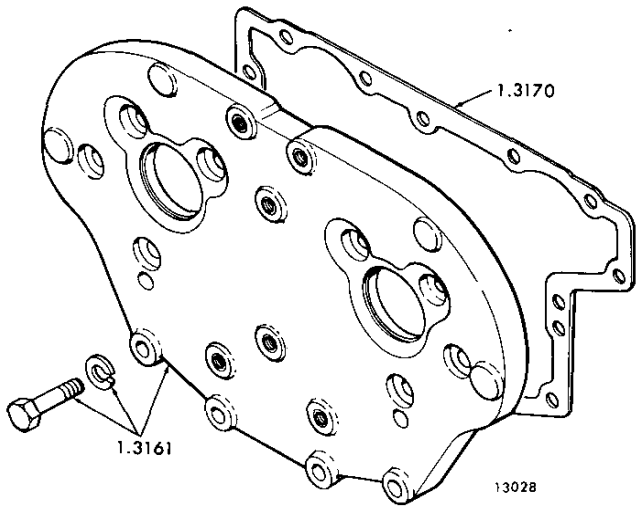


FIG. 4A - UPPER FRONT COVER (IN-LINE MODELS)

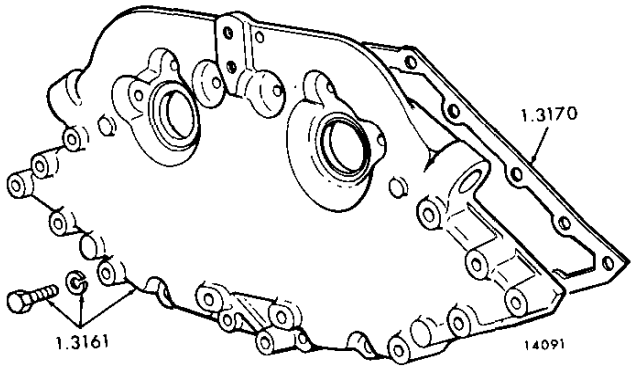


FIG. 4B - UPPER FRONT COVER (6V-MODELS)

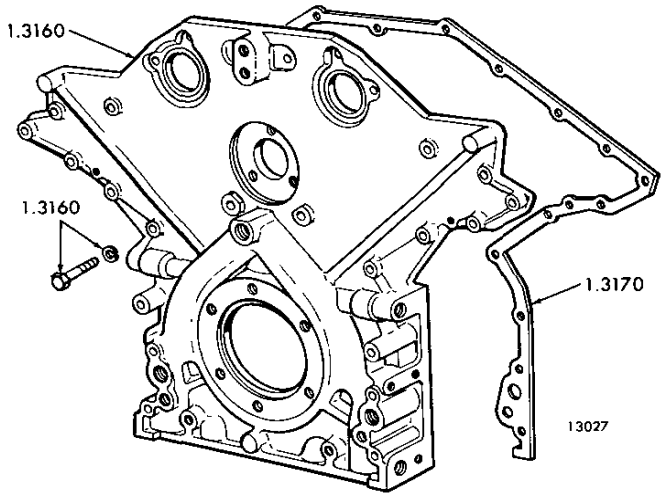


FIG. 4C - FRONT COVER (8V-MODELS)

Figs. 4A, 4B & 4C 1.0000

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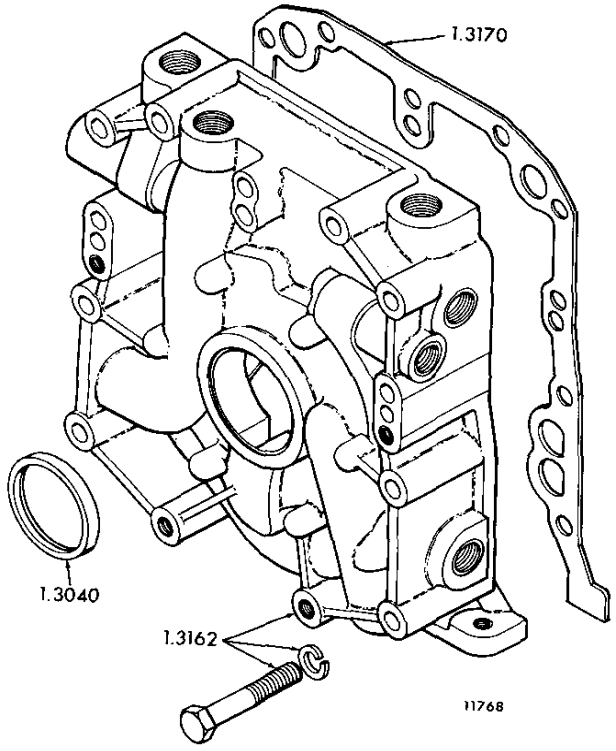


FIG. 4D - LOWER FRONT COVER (IN-LINE MODELS)

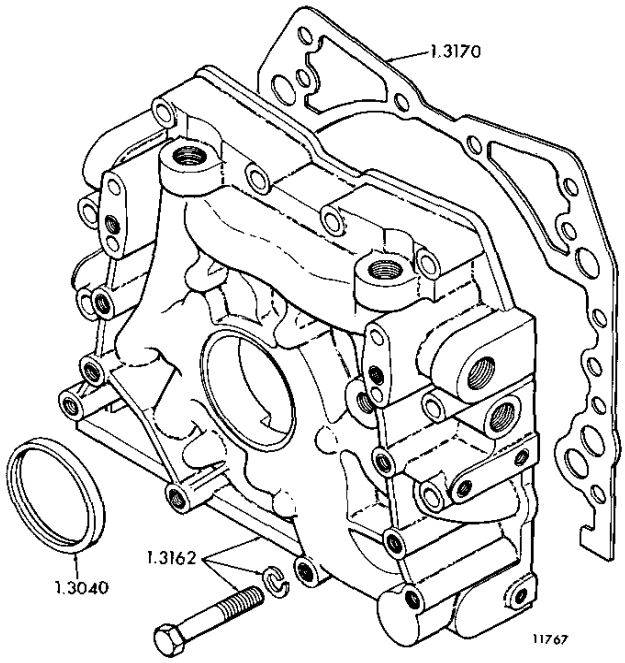


FIG. 4E - LOWER FRONT COVER (6V-MODELS)

Figs. 4D & 4E of 1.0000

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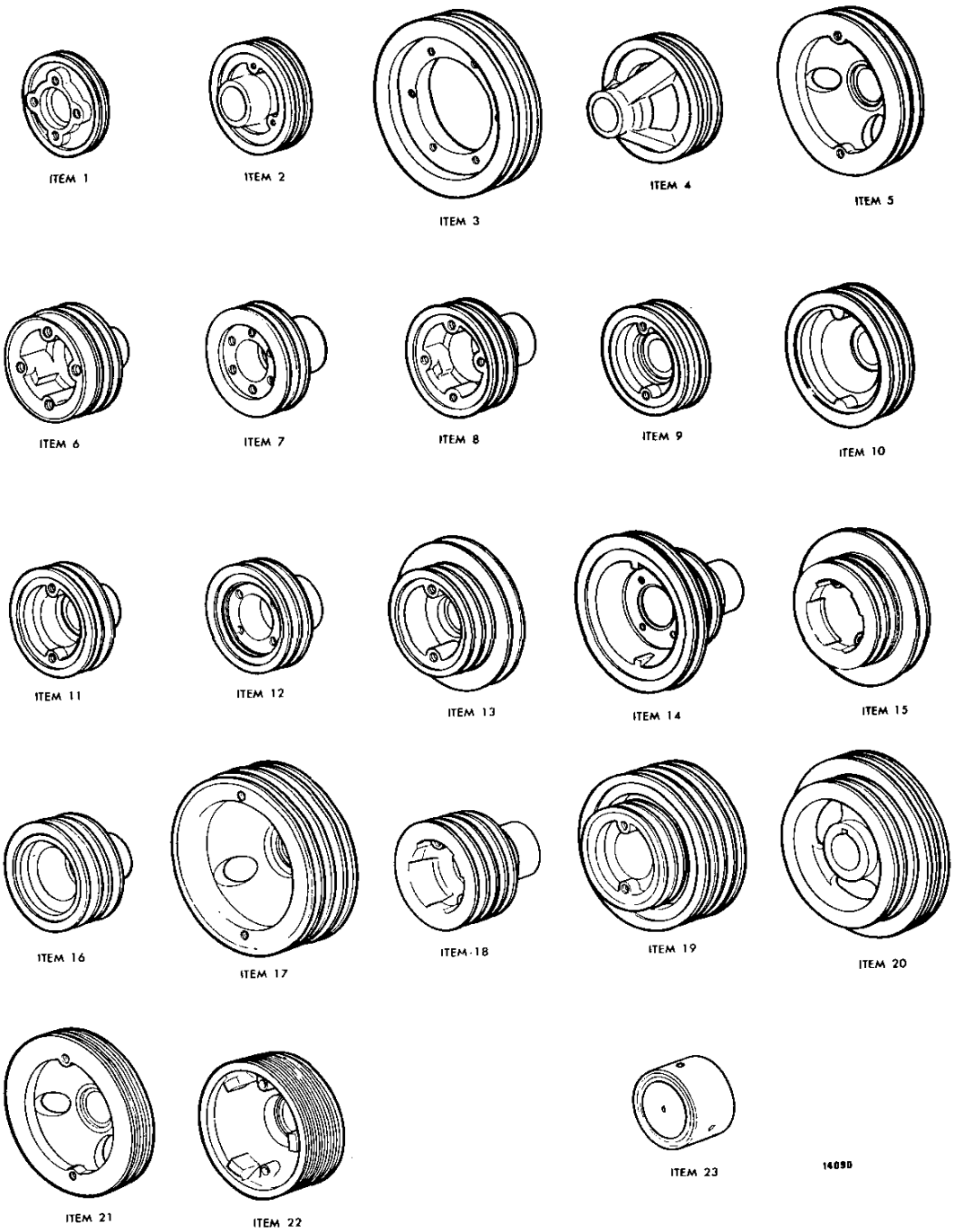


FIG. 4F - CRANKSHAFT PULLEYS

Fig. 4F of 1.0000

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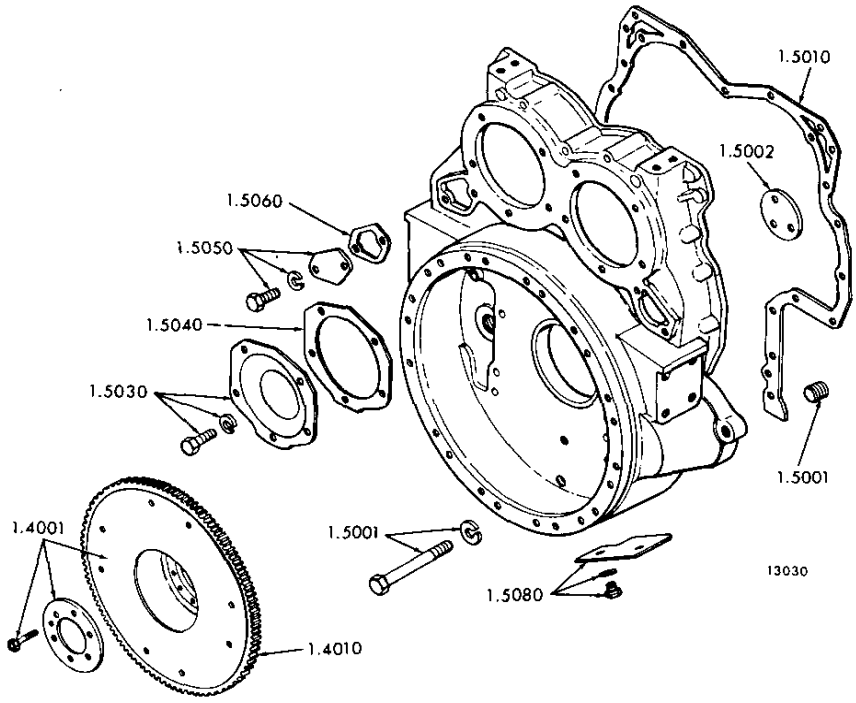


FIG. 5A - FLYWHEEL AND FLYWHEEL HOUSING (IN-LINE MODELS)

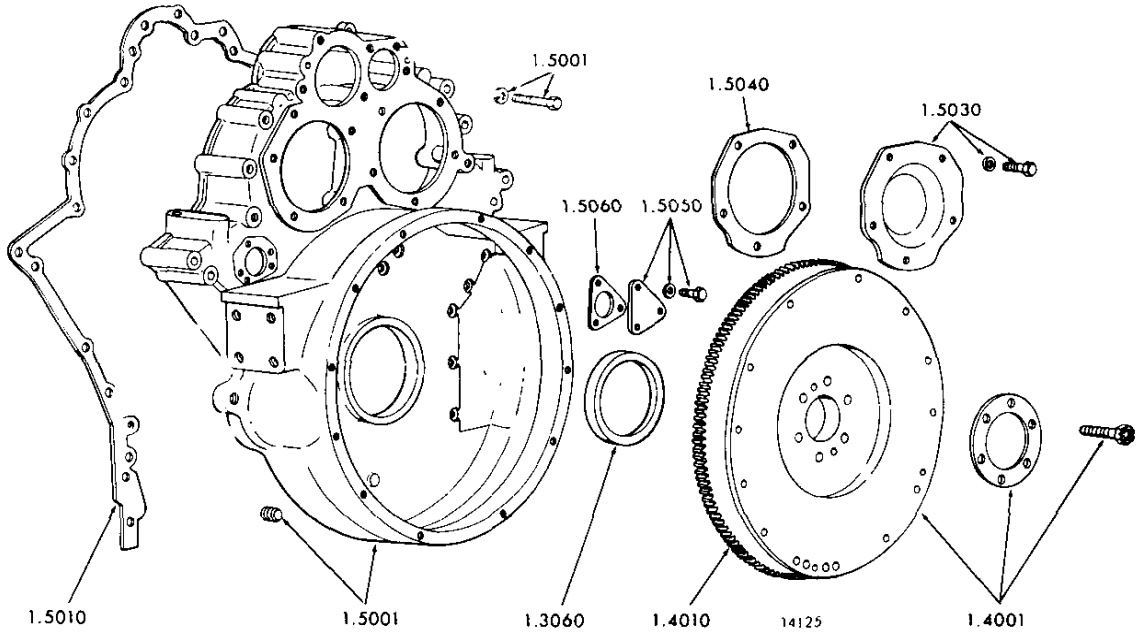


FIG. 5B - FLYWHEEL AND FLYWHEEL HOUSING (V-MODELS)

Figs. 5A & 5B of 1.0000

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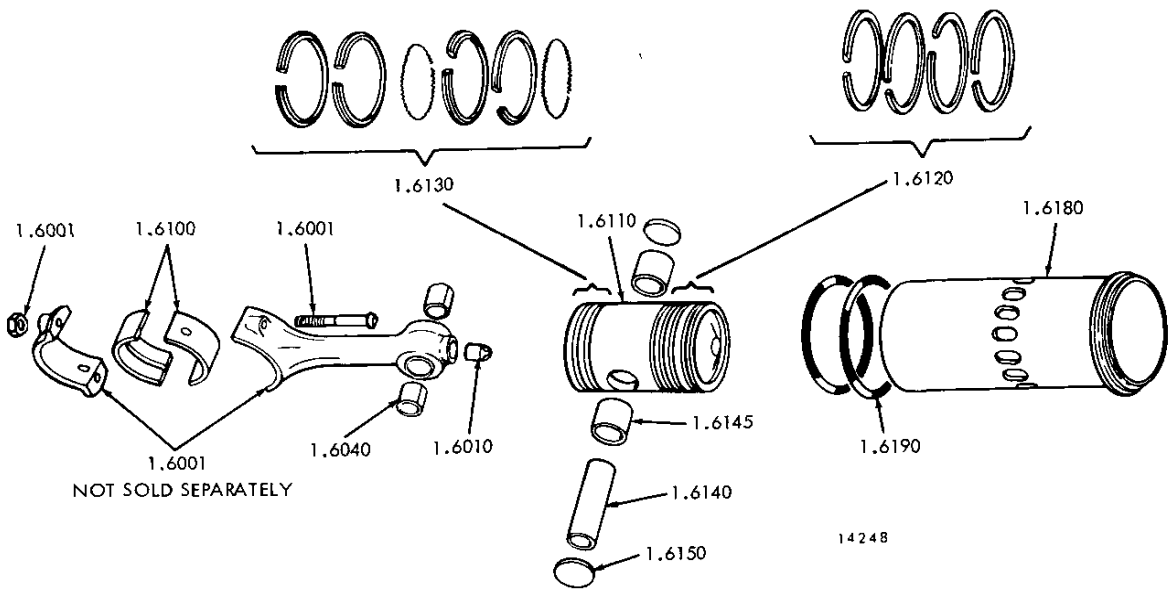


FIG. 6A CONNECTING ROD, PISTON AND LINER

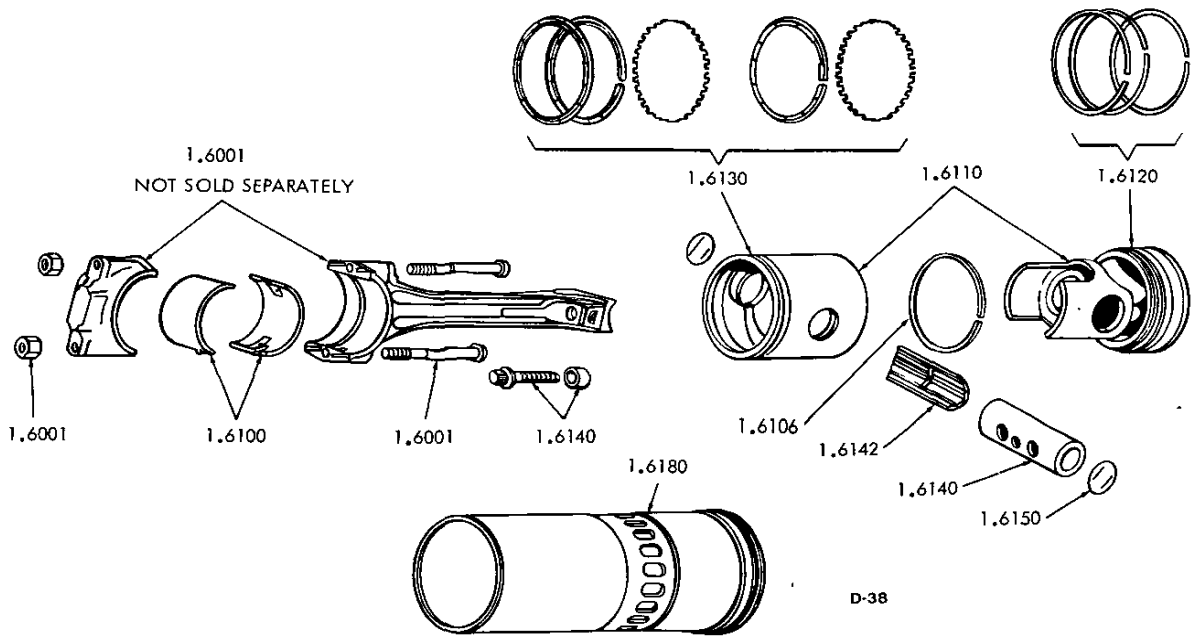


FIG. 6B CONNECTING ROD, PISTON AND LINER (CROSS HEAD)

Fig. 6A & 6B of 1.0000

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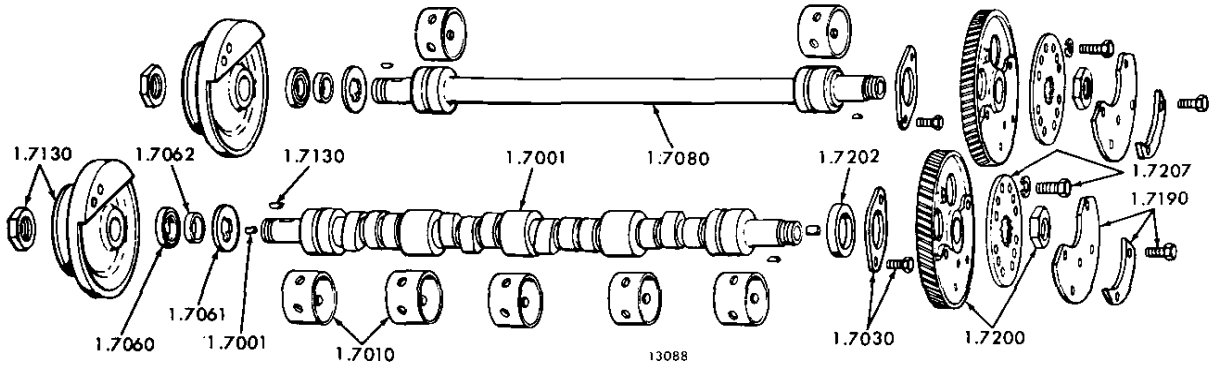


FIG. 7A - CAMSHAFT (IN-LINE MODELS)

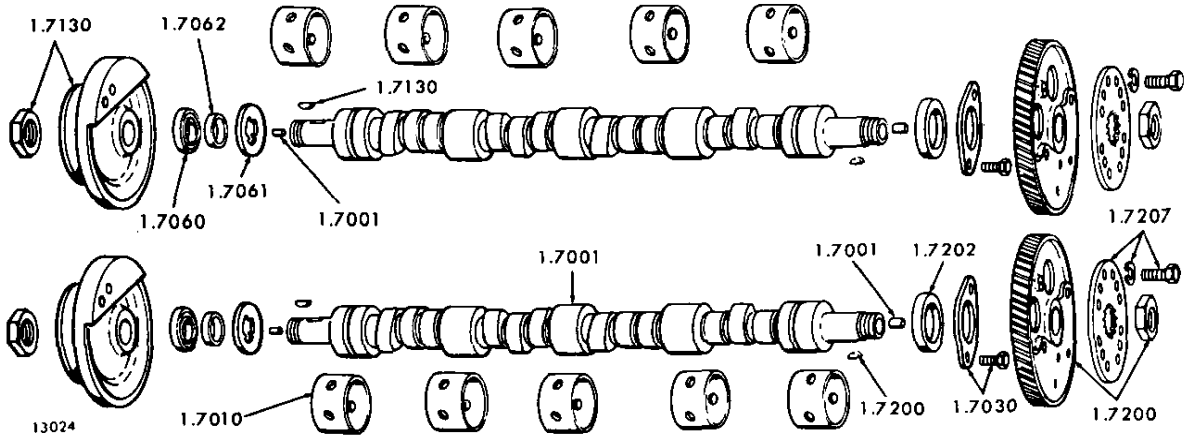


FIG. 7B - CAMSHAFT (V-MODELS)

Figs. 7A & 7B of 1.0000

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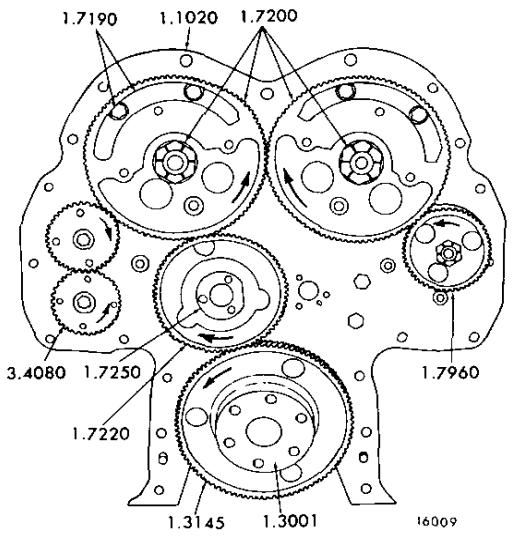


FIG. 7C-GEAR TRAIN (IN-LINE MODELS)

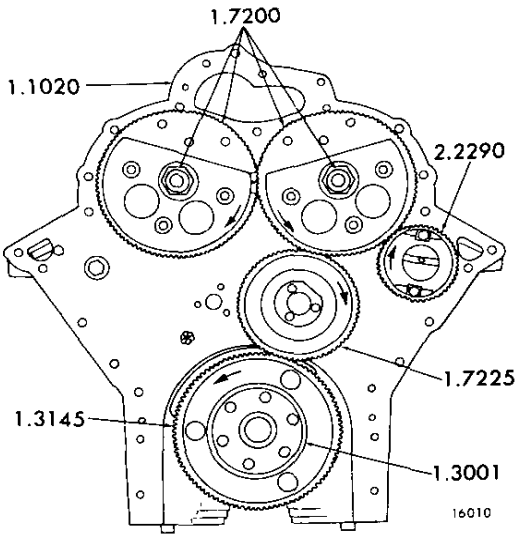


FIG. 7D-GEAR TRAIN (6V-MODELS)

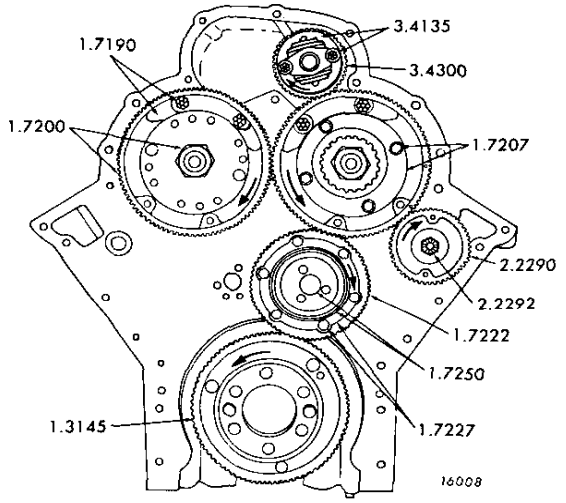


FIG. 7E - GEAR TRAIN (8V-MODELS)

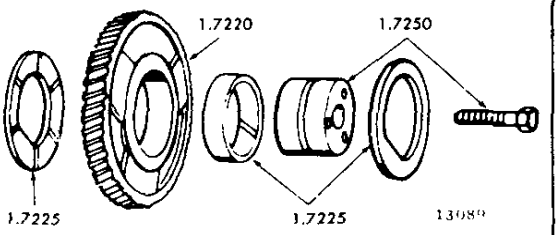


FIG. 7F - IDLER GEAR

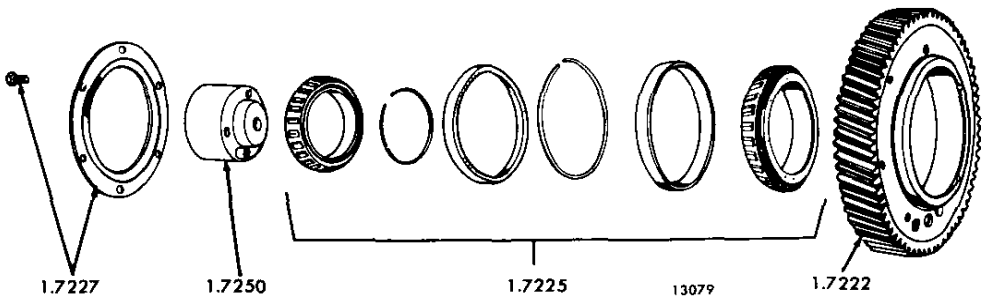


FIG. 7G - IDLER GEAR (8V - MODELS)

Figs. 7C, 7D, 7E, 7F & 7G of 1.0000

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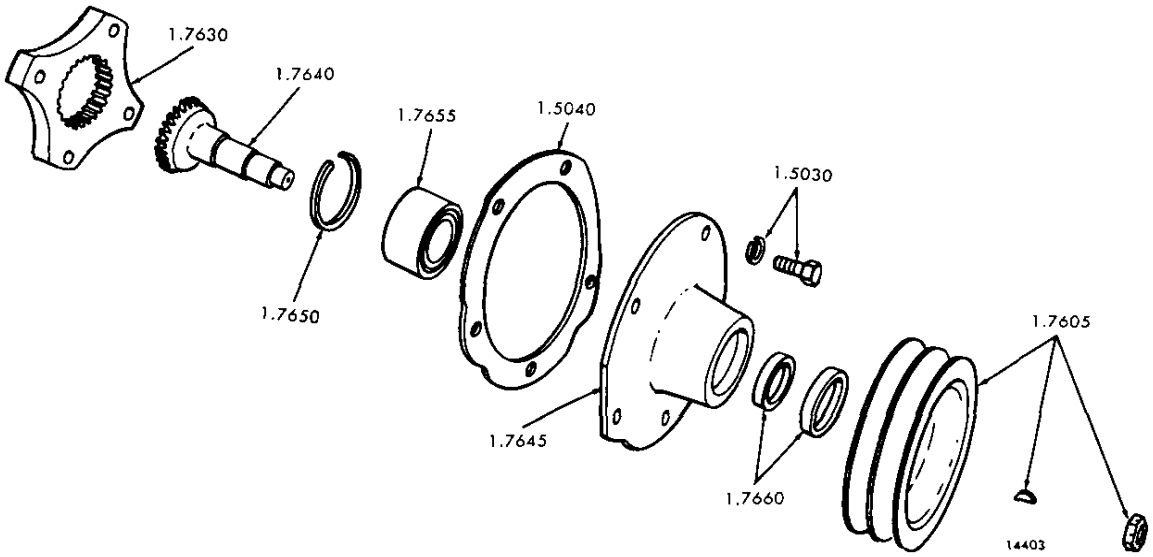


FIG. 8A - ACCESSORY DRIVE (DOUBLE BELT))

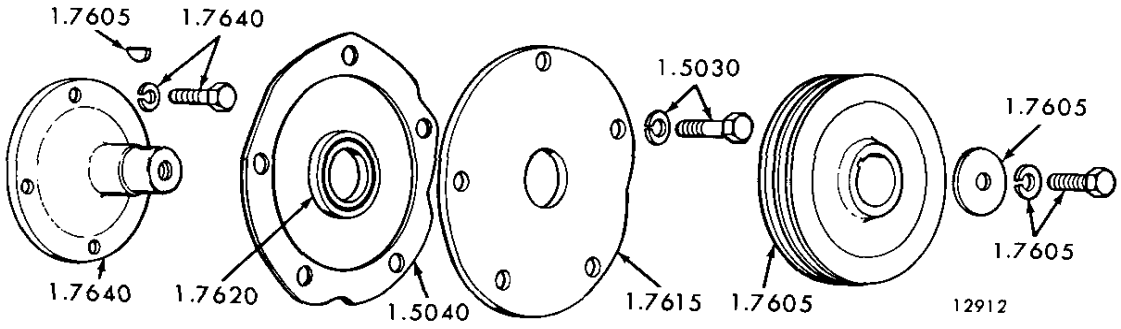


FIG. 8B - ACCESSORY DRIVE (SINGLE BELT)

Figs. 8A & 8B of 1.0000

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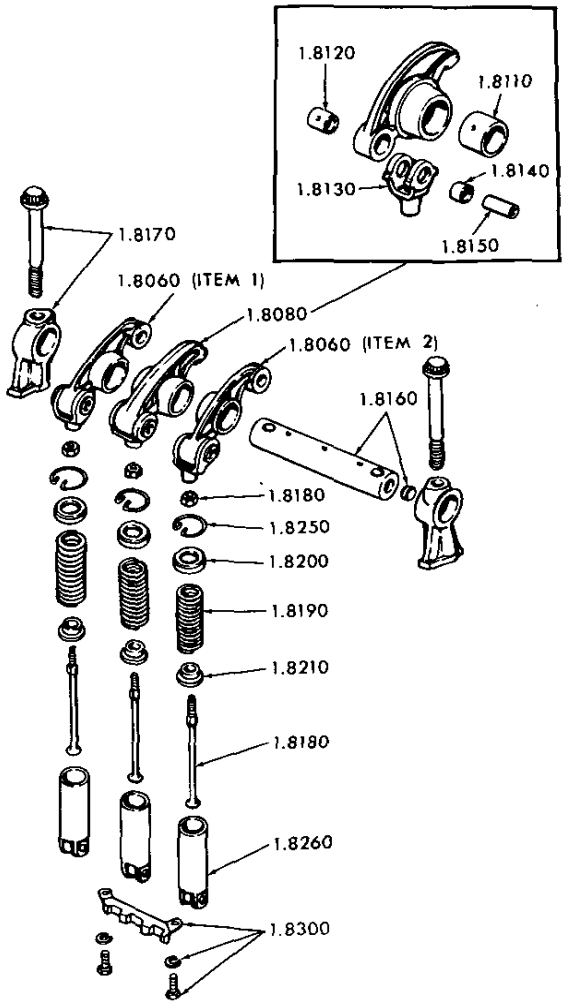


FIG. 9A
Valve and Injector
Operating Mechanism

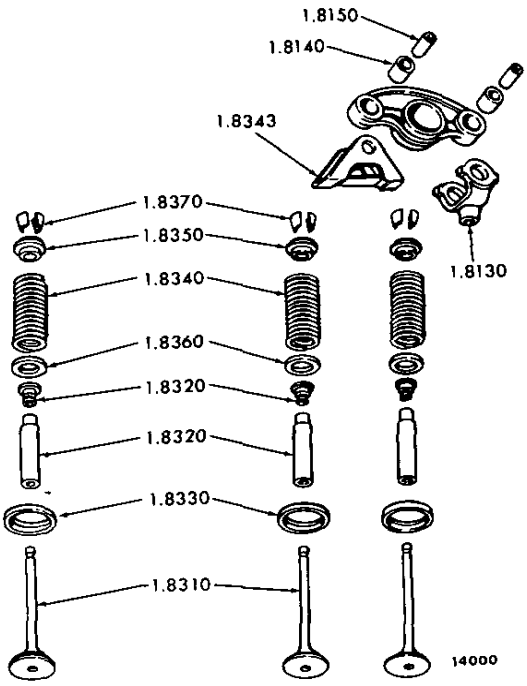


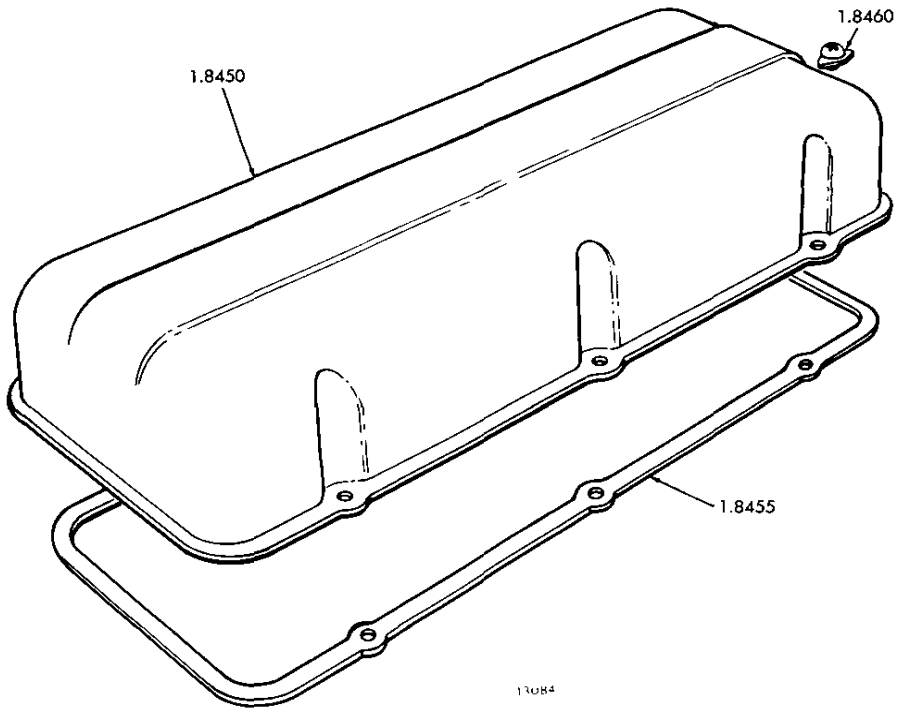
FIG. 9B
2 Valve

FIG. 9C
4 Valve
(with Bridge)

VALVE OPERATING MECHANISM

Figs. 9A, 9B & 9C of 1.0000

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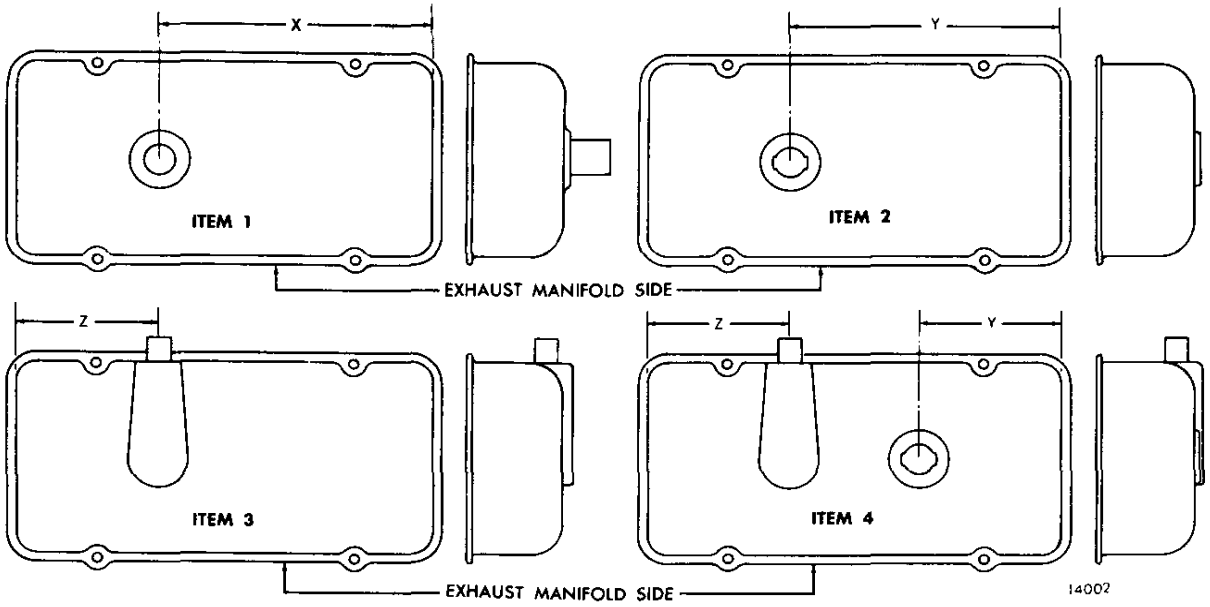


FIG. 9D - ROCKER COVER

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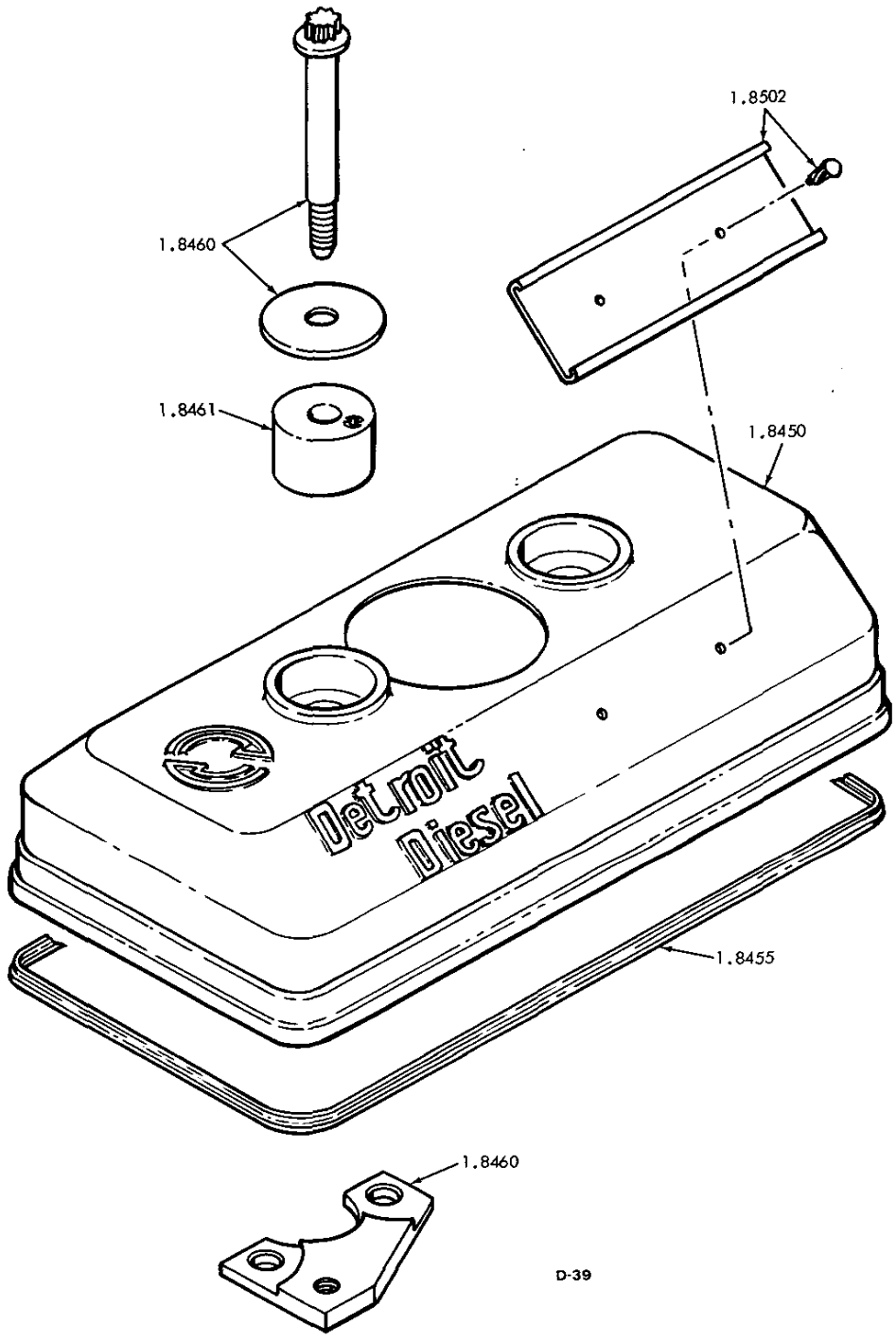


FIG. 9E ROCKER COVER (CAST)

Fig. 9E of 1.0000

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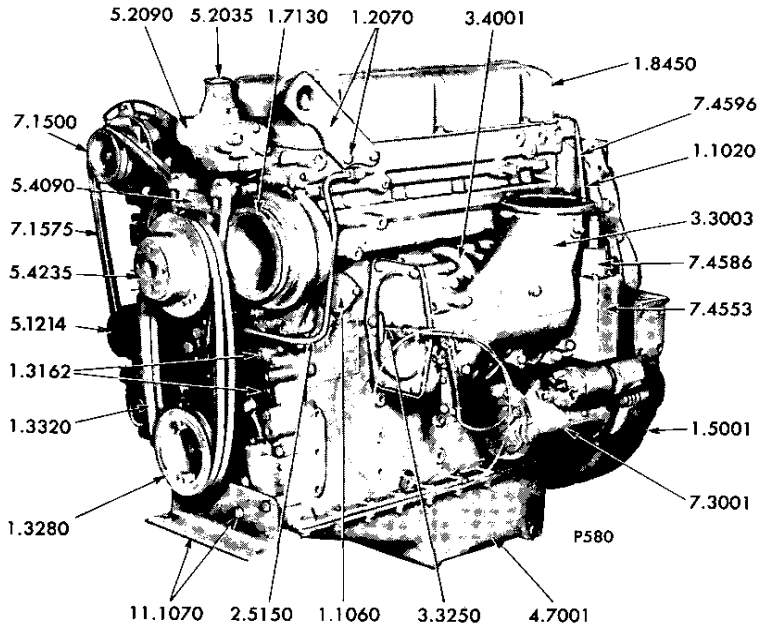


FIG. 10A TYPICAL FAN TO FLYWHEEL

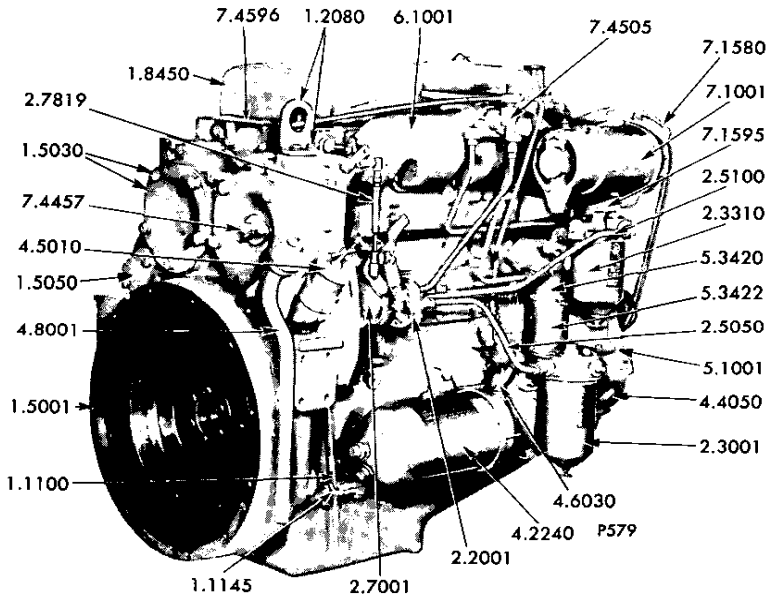


FIG. 10B TYPICAL FAN TO FLYWHEEL

Figs. 10A & 10B of 1.0000

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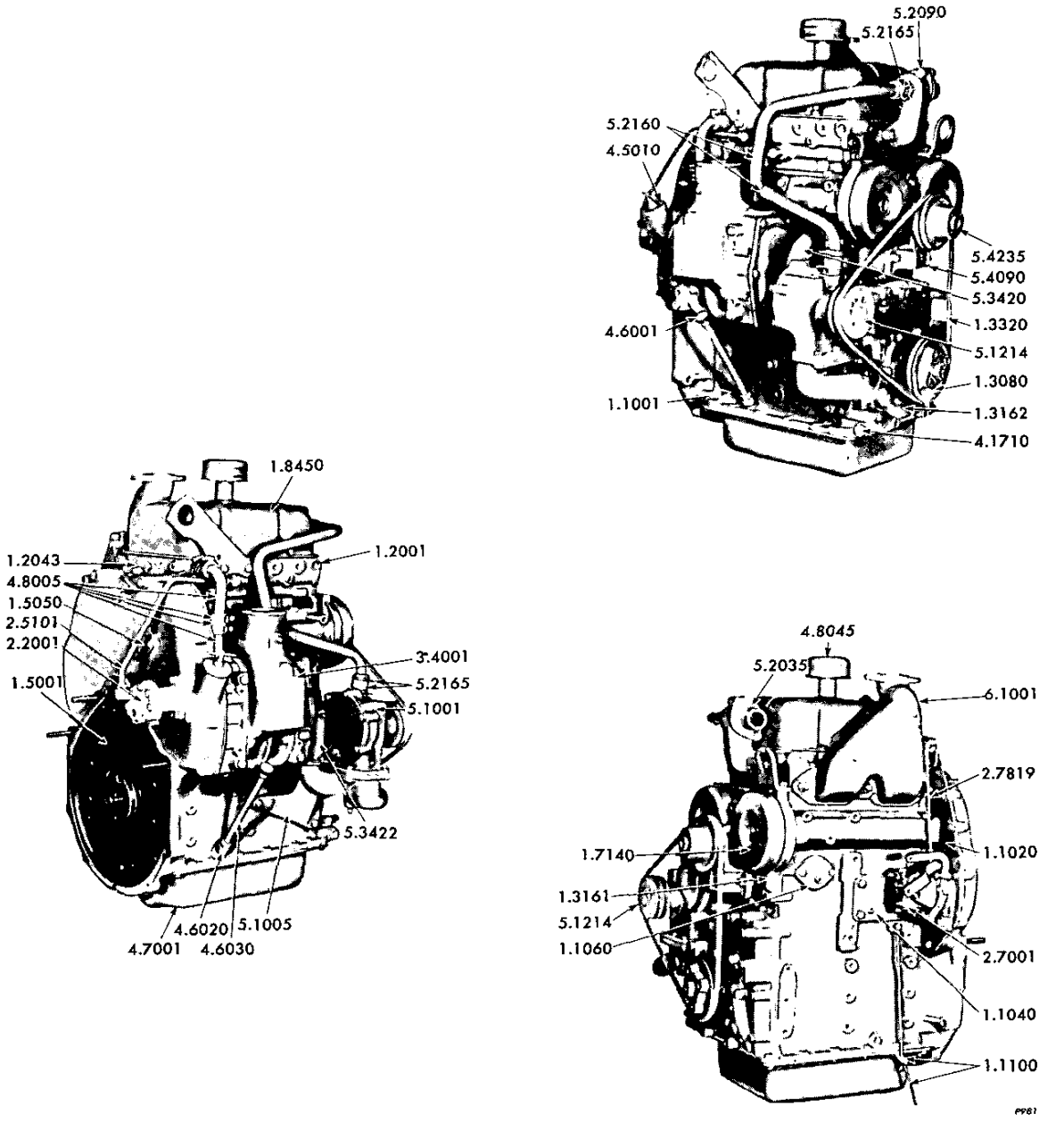


FIG. 10C MODEL 5023-7121 (J. DEERE)

OCT., 1978 © 1978 General Motors Corp.

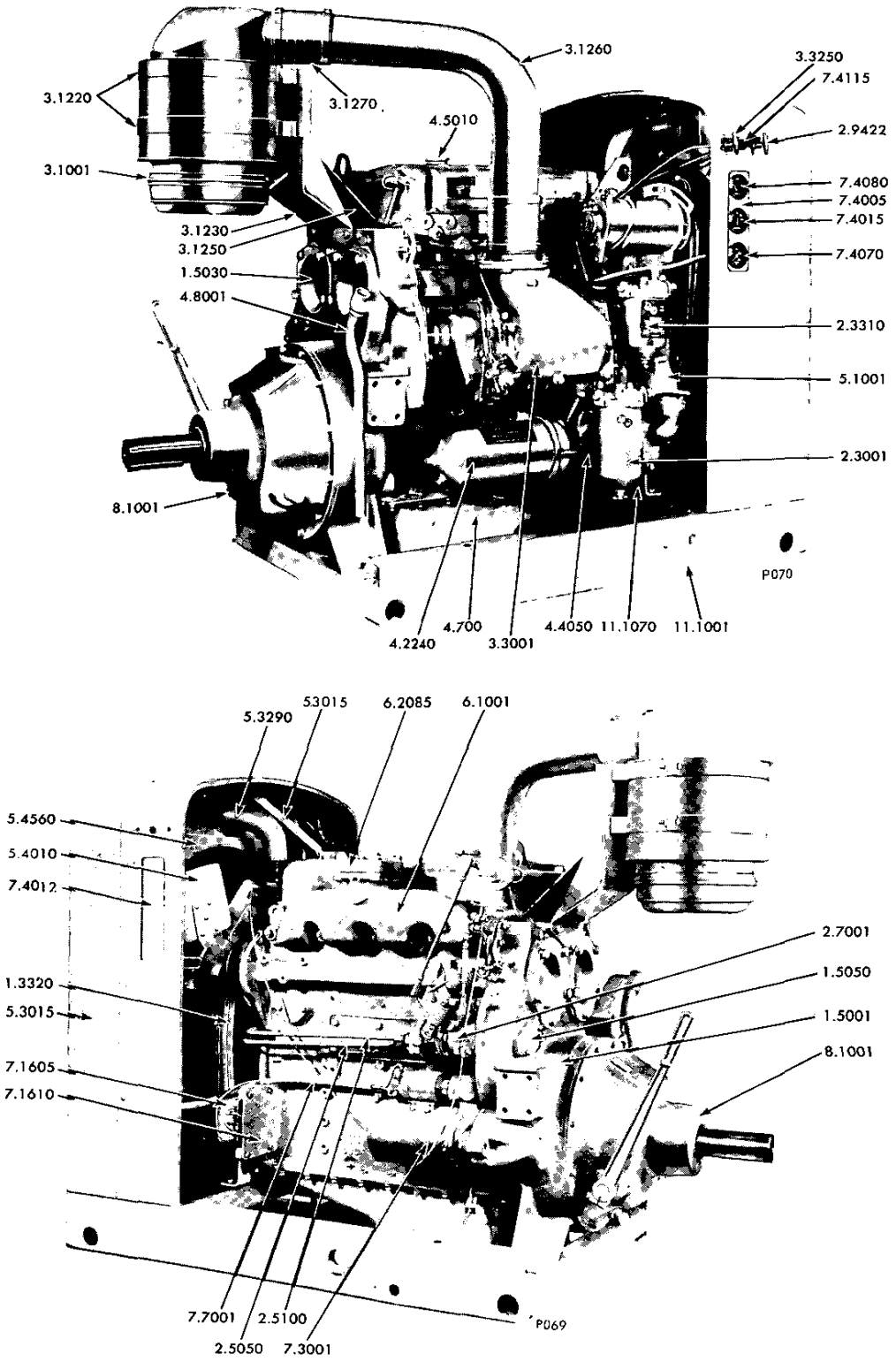
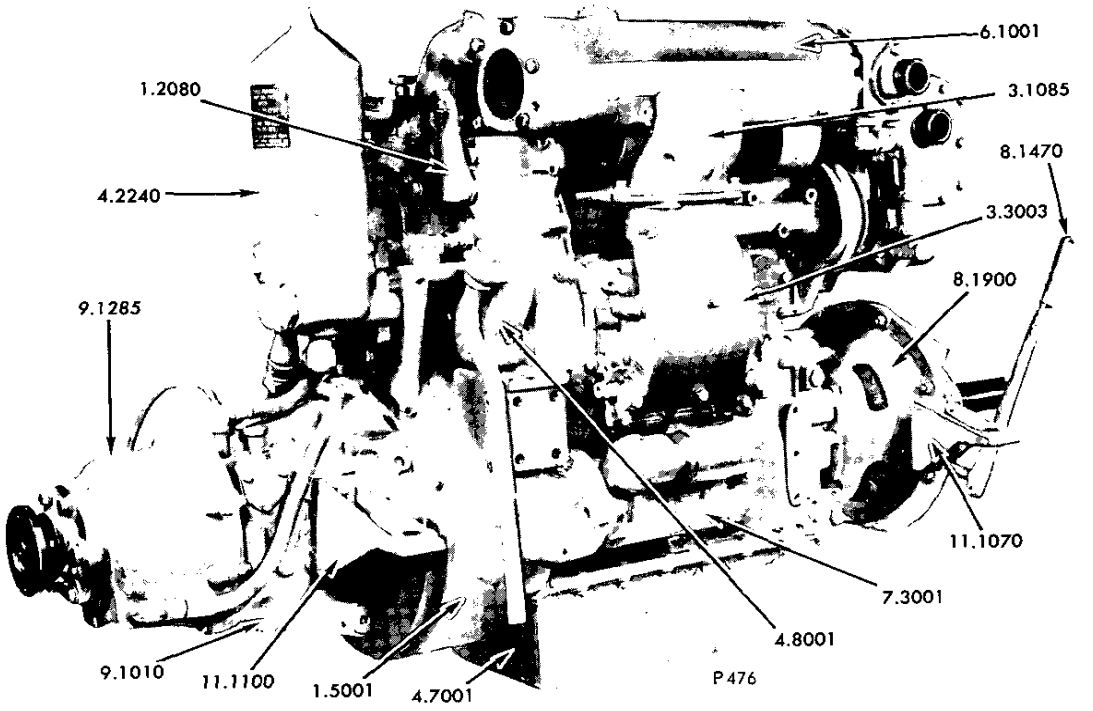


FIG. 10D TYPICAL POWER-BASE UNIT

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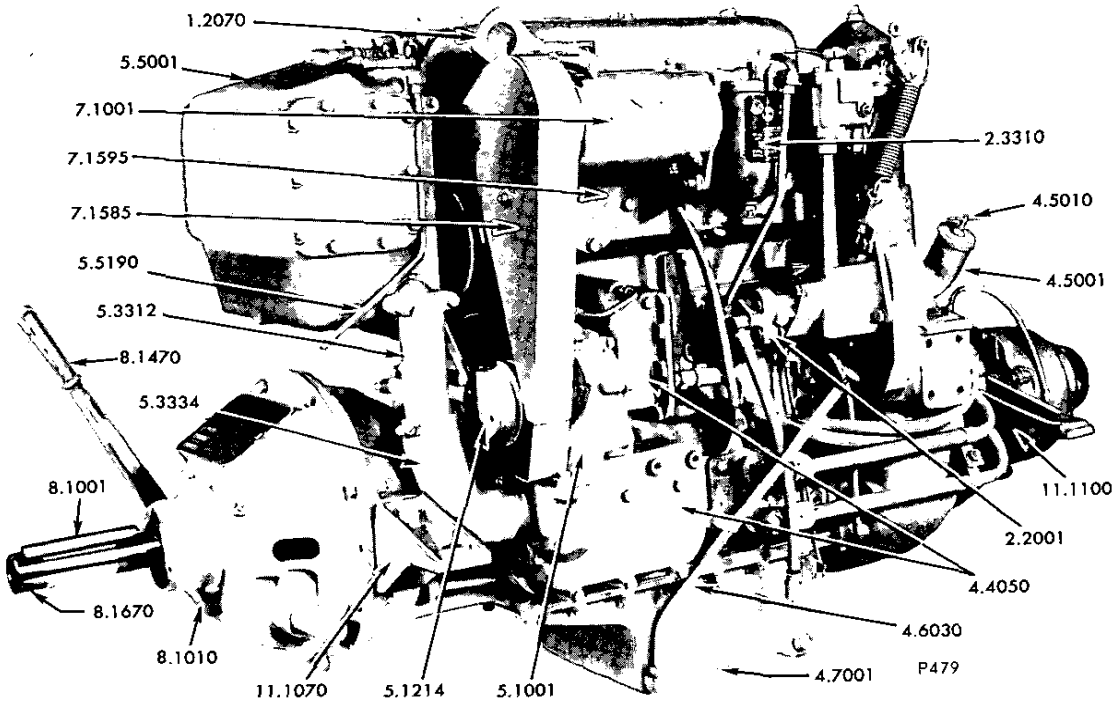
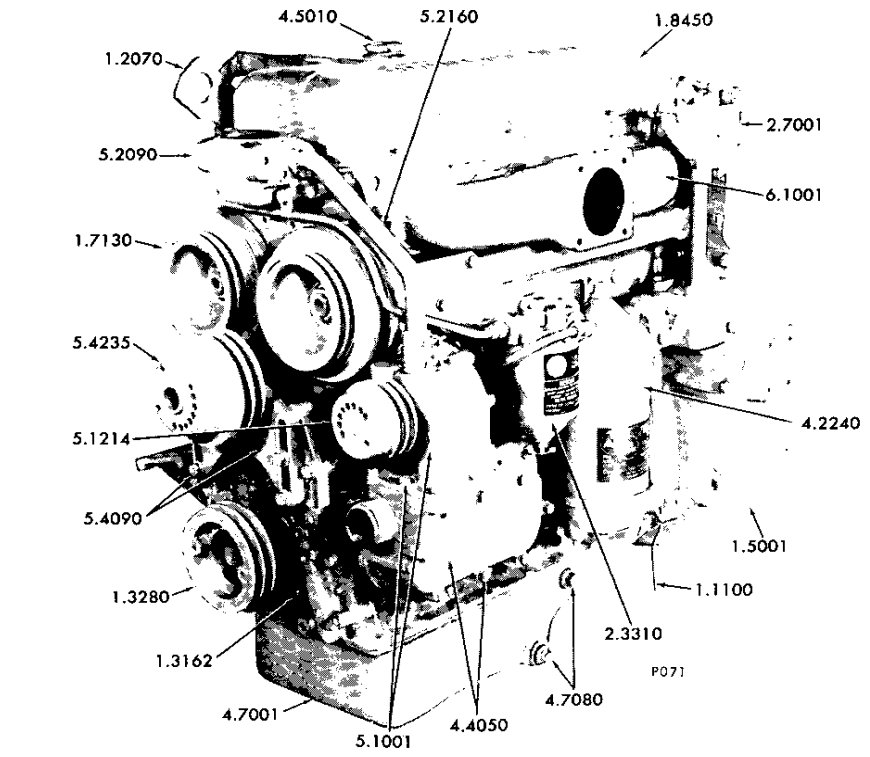


FIG. 10E TYPICAL MARINE UNIT

Fig. 10E of 1.0000

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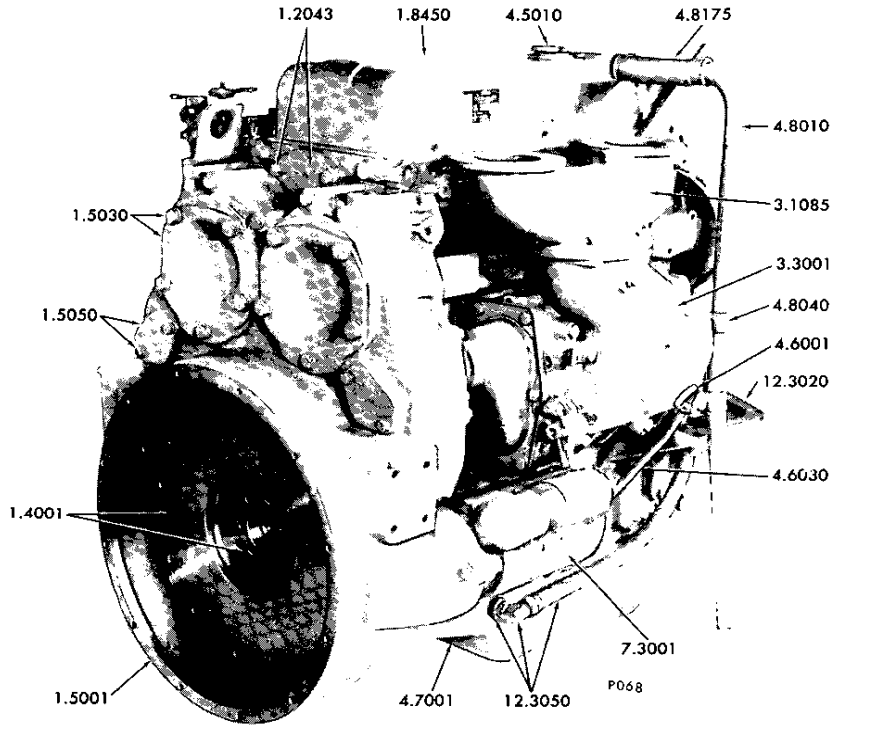


FIG. 10G TYPICAL 4 CYLINDER FAN TO FLYWHEEL INDUSTRIAL UNIT

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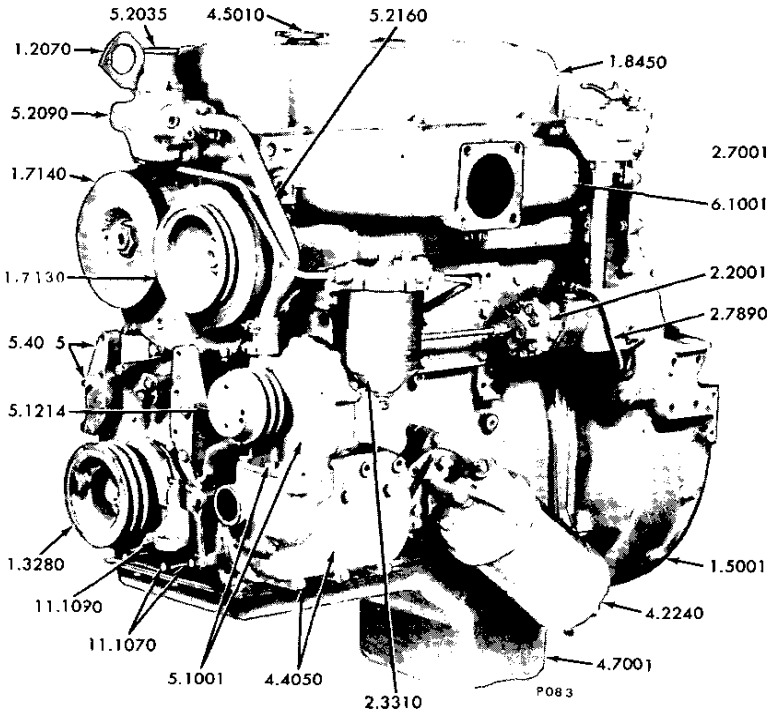
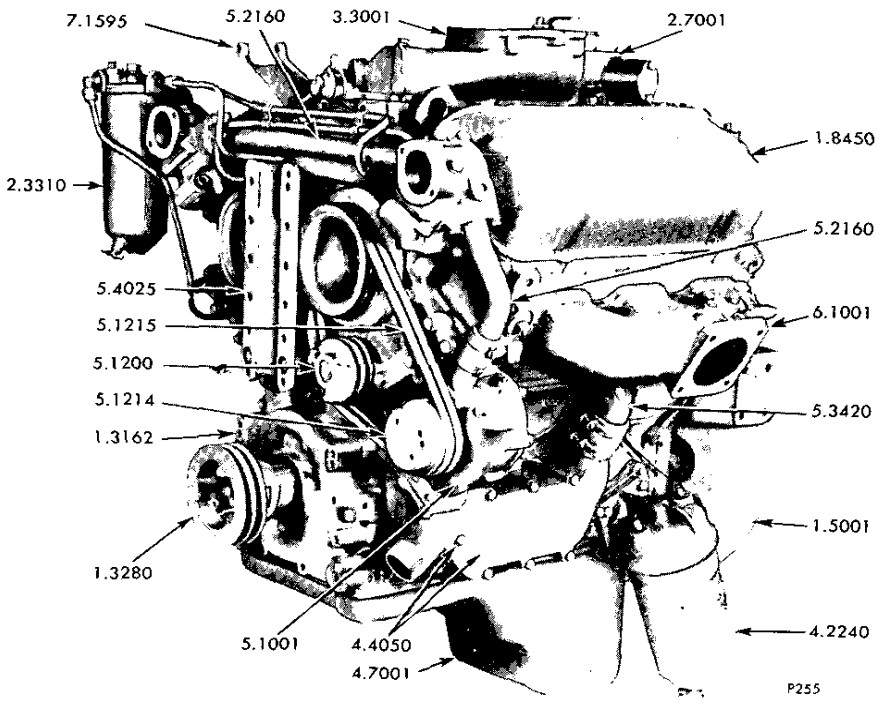


FIG. 10H - TYPICAL 4 CYLINDER FAN TO FLYWHEEL UNIT

OCT., 1978 © 1978 General Motors Corp.



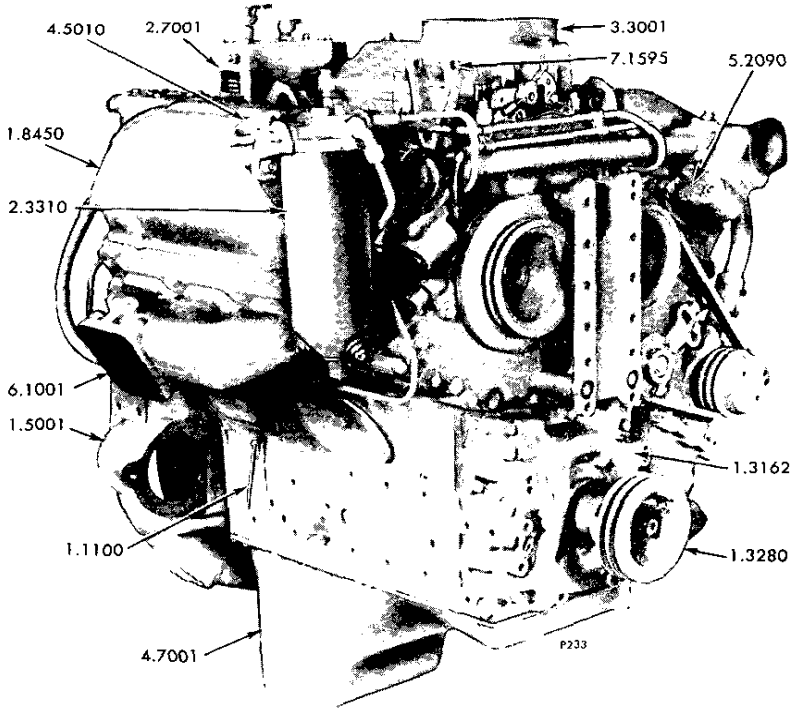
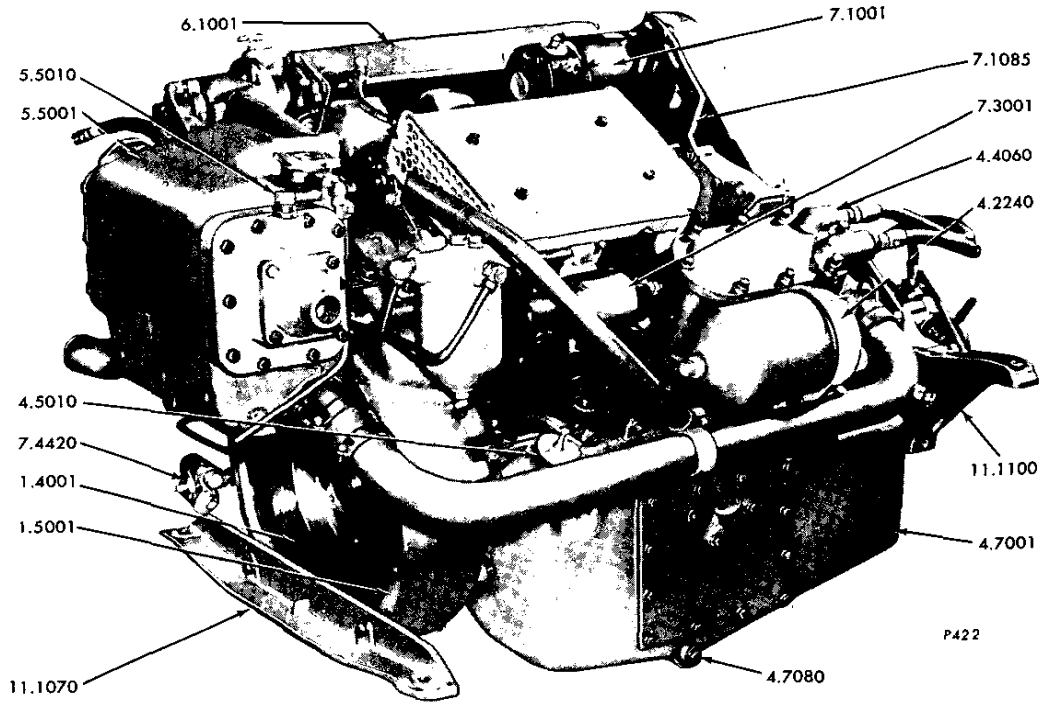


FIG. 10J TYPICAL 6 CYLINDER FAN TO FLYWHEEL INDUSTRIAL UNIT

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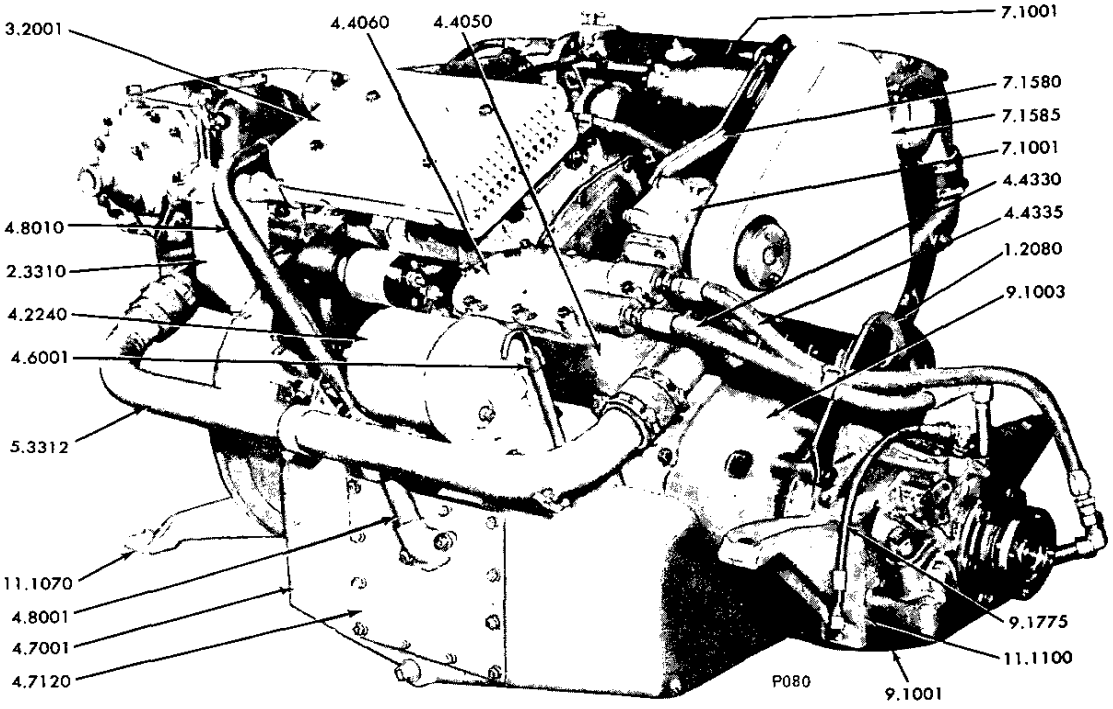


FIG. 10K TYPICAL INCLINED MARINE UNIT

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29	30	31	33	38	44	45	46	53	55	56
		1.1001 - BLOCK, CYLINDER												
		FOR COMPONENTS OF SERVICE CYLINDER BLOCK ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5196489	BLOCK ASSY., 2-53 (PAGE A1)	1				1							
	5196490	BLOCK ASSY., 3-53 (PAGE A1)		1						1			1	1
	5196491	BLOCK ASSY., 4-53 (PAGE A1)			1			1	1		1	1		
	5196821	BLOCK ASSY., 6V53 (PAGE A1)				1								
1A	**8924380**	PLUG, 1/8" PIPE W/SEAL (12.9550)		6										1
	8923847	PLUG, 1/4" PIPE (4.7001)				1		1						1
	5103045	PIN, 5/16"X7 3/8" DOWEL				3								
	8923313	PLUG, 3/4" PIPE W/SEAL (12.9550)				1								
	5132634	DECAL (DRAIN)			AR			AR	AR		AR	AR		
	443762	EXTENSION TUBE (12.9540)		1										
		1.1002 - GASKET KIT, ENGINE OVERHAUL												
		A GASKET KIT CONSISTS OF GASKETS NECESSARY FOR ONE ENGINE OVERHAUL. GASKET KITS DO NOT INCLUDE THE ADDITION AL GASKETS REQUIRED FOR TURBOCHARGED ENGINES.												
	5199790	GASKET KIT, 2-53	AR											
	5199791	GASKET KIT, 3-53		AR						AR				
	5199792	GASKET KIT, 4-53			AR			AR	AR		AR	AR	AR	AR
	5199793	GASKET KIT, 6V53				AR								
	5199789	GASKET KIT, 2-53 (JOHN DEERE)					AR							
		1.1020 - PLATE, CYLINDER BLOCK END-REAR												
		A PLATE ASSY. INCLUDES PLUG NUTS.												
1A,7C	**5121365**	PLATE ASSY., 2,3-53 RA-RB-LA-LB ENG.	1	1						1				1
1A,7C	**5121366**	PLATE ASSY., 2,3-53 RC-RD-LC-LD ENG.	1	1						1			1	1
1A,7C	**5121367**	PLATE ASSY., 4-53 (RA-RB-LA-LB ENG.)			1			1						
1A,7C	**5121368**	PLATE ASSY., 4-53 (RC-RD-LC-LD ENG.)			1			1	1			1		
1B,7D	**5126194**	PLATE ASSY., 6V53				1								
1A,7C	**5121233**	PLATE ASSY., 2-53 (RC ENG.)					1							
1A,7C	**5109795**	PLATE ASSY., 4-53 (RA-RB-LA-LB ENG.)									1			
	5131699	COVER (GOVERNOR DRIVE HOLE)										1	1	
1A,1B	**5121459**	PLUG, 3/8"-24 NUT	8	8	9	2	6	9	9	8	7	9	8	8
1A,B	**180120**	BOLT, 3/8"-16X3/4" (12.9001)					13							
1A,B	**9409079**	BOLT, 3/8"-16X7/8" (12.9001)	13	13	13			13	13	13	13	13	13	13
1A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)				10						2	2	
1A,B	**181360**	BOLT, 3/8"-24X3/4" (12.9001)										3	3	
1A,B	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)				2								
1A,B	**5188274**	WASHER, 1/2" BEVELED (6.1020)				2								
1A,B	**5152148**	WASHER, 3/8" SEAL (COPPER) (2.4050)										3	3	
1A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	13	13	13	10	13	13	13	13	13	15	15	13
		1.1030 - GASKET, CYLINDER BLOCK END PLATE-FRONT												
1A	**5116354**	GASKET, 2,3,4-53	1	1	1		1	1	1	1	1	1	1	1
1B	**5133397**	GASKET, 6V53				1								
	5116336	GASKET (GOVERNOR HOLE) (2.7010)										1	1	

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29	30	31	33	38	44	45	46	53	55	56
		1.1040 - COVER, CYLINDER BLOCK HAND HOLE												
1C	**5116372**	*COVER, 2-53 (ITEM 6)*	1				1							
1C	**5116373**	COVER, 3-53 (ITEM 5)		1						1			1	
1A,1C	**5116374**	COVER, 4-53 (ITEM 4)			1				1		1	1		
1B,1C	**8921313**	COVER, 6V53 (ITEM 3)				4								
	5127874	% COVER, 4-53 (RA-RD-LA-LD ENG.)						1						
	5127875	% COVER, 4-53 (RB-RC-LB-LC ENG.)						1						
1C	**5199509**	COVER, 3-53 (RB-RC-LB-LC ENG.) (ITEM 5)												1
	5132573	# COVER, 3-53 (RA-RD-LA-LD ENG.)												1
	5107440	CLAMP				4								
	105451	GASKET, 3/8" COPPER (12.9360)				4								
	8924380	@ PLUG, 1/8" PIPE W/SEAL (12.9550)					1							
	114672	@ SCREW, 3/8"-16X1" FLAT HEAD SLOTTED (12.9030)	2				2							
	180120	BOLT, 3/8"-16X3/4" (12.9001)		6	6			6	6		6	6		6
	179839	BOLT, 3/8"-16X1"(12.9001)								6			6	
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)				4								
	103341	WASHER, 3/8" (12.9190)				4								
	114618	@ LOCKWASHER, 3/8" (12.9200)					4							
	103321	@ LOCKWASHER, 3/8" (12.9200)		6	6			6	6	6	6	6	6	6
		# NOT SERVICED; USE 5199509 COVER PLUS (1) 5121182 PLUG.												
		@ THRU 2D-4009 ON TYPES 28 AND 33. USED ALSO WITH SERVICE BLOCK.												
		% NOT SERVICED; USE 5199508 COVER *PLUS (1) 5121182 PLUG.*												
		1.1050 - GASKET, CYLINDER BLOCK HAND HOLE COVER												
1C	**5116379**	GASKET, 2-53 (ITEM 6)	1				1							
1C	**5116380**	GASKET, 3-53 (ITEM 5)		1						1			1	1
1A,1C	**5116381**	GASKET, 4-53 (ITEM 4)			1			1	1		1	1		
1B,1C	**5107441**	GASKET, 6V53 (ITEM 3)				4								
		1.1060 - COVER, CYLINDER BLOCK WATER HOLE												
1A,B	**5123918**	COVER, 1/8" TAPPED HOLE	1			1	1							
1A,B	**5164190**	* COVER, 1/4" TAPPED HOLE	1	1	1		1	1			1	1	1	1
1A,B	**5115097**	COVER, 3/8" TAPPED HOLE	1	1	1						1	1	1	
1A,B	**5189143**	* COVER, 1/2" TAPPED HOLE		1	1						1	1	1	
1A,B	**5134342**	COVER, 1/2" NPT. MALE											1	
1A,B	**5150023**	COVER, PLAIN (3 10/32" L.)		1	1				1	1	1	1	1	
	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)					1							
1B	**114981**	DRAINCOCK, 1/8" (12.9510)	1			1		1						
1B	**8924140**	DRAINCOCK, 1/4" (12.9510)						1						1
1A,B	**186618**	BOLT, 5/16"-18X5/8" (12.9001)	2	2			2	2	2	2	2	2	2	2
1A,B	**179816**	BOLT, 5/16"-18X3/4" (12.9001)			2	2								
1A,B	**186625**	*BOLT, 5/16"-18X7/8" (12.9001)*	2	2		2					2	2	2	
1A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		* USE WITH AUTOMATIC SHUTDOWN.												
		1.1070 - GASKET, CYLINDER BLOCK WATER HOLE COVER												
1A,B	**5116357**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	63	65	69	72	82	83	86	91	99	105	144
		1.1001 - BLOCK, CYLINDER												
		FOR COMPONENTS OF SERVICE CYLINDER BLOCK ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
1C	5197164	BLOCK ASSY., 6V53 (PAGE A1)	1											
1A,B	5198692	BLOCK ASSY., 3-53 (ALUM.) (PAGE A1)		1										
1C	5198148	BLOCK ASSY., 8V53 (PAGE B1)			1									
1B	5134842	% BLOCK ASSY., 4-53 MALL CAP (PAGE A1)				1								
1C	5198292	BLOCK ASSY., 6V53 (ALUM.) (PAGE A1)					1							
1A,B	5136343	# BLOCK ASSY., 3-53 MALL CAP(PAGE A1)						1						
1A,B	5135252	# BLOCK ASSY., 3-53 (PAGE A1)							1					
	5136802	* BLOCK ASSY., 6V53 (ALUM.) (PAGE B1)										1		
1A,B	5196491	BLOCK ASSY., 4-53 (PAGE A1)								1	1			
	5149296	BLOCK ASSY., 8V53 (PAGE B1)											1	
1B	5149390	BLOCK ASSY., 3-53 (PAGE B1)												1
	5146331	ELBOW, OIL GALLERY		1										
	5146620	GASKET, OIL GALLERY		1										
	5146332	CAP, OIL GALLERY ELBOW		1										
1A	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)	4			7			6	1	1		4	6
	8923847	PLUG, 1/4" PIPE (4.7001)	1			1			1	1			1	
	5150130	PLUG, 5/16" CUP										1	2	
	5150131	PLUG, 7/16" CUP												2
	5115214	PLUG, 1/2" PIPE (12.9550)	3									1		
	5121316	PLUG, .6275"X.40" CUP		2		2			2					
	5119218	PLUG, 7/8" CUP (5.1030)	1											
	8923313	PLUG, 3/4" PIPE W/SEAL (12.9550)	1											2
	5138184	PLUG, .984"/.980" CUP										2	2	
	5138183	PLUG, 1.580"/1.576" CUP										2	2	
	141346	PIN, 3/16"X1/2" DOWEL (12.9290)	4			4			4	4	4	4	4	4
	141212	PIN, 5/16"X5/16" DOWEL (12.9290)			4							2	4	
	5103045	PIN, 5/16"X3/8" DOWEL	2		2							2	2	
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	4	4					4			2		4
	114981	DRAINCOCK, 1/8" (12.9510)	2	2		2			1			2	2	2
	139191	SCREW, 5/8"-11X1/2" HEX. SKT. SET (12.9076)											2	
	5135548	INSERT, .80" DIA.		4			8							
	5135663	INSERT, .455" DIA.		4			8							
	5135547	SLEEVE, .434" DIA.		4			8							
	5135662	SLEEVE, .299" DIA.		4			8							
		# NOT SERVICED, USE 5196490.												
		* OBSOLETE												
		% NOT SERVICED, USE 5196491.												
		1.1002 - GASKET KIT, ENGINE OVERHAUL												
		A GASKET KIT CONSISTS OF GASKETS NECESSARY FOR ONE ENGINE OVERHAUL. GASKET KITS DO NOT INCLUDE THE ADDITION AL GASKETS REQUIRED FOR TURBOCHARGED ENGINES.												
	5199791	GASKET KIT, 3-53						AR						AR
	5199792	GASKET KIT, 4-53				AR				AR	AR			
	5199793	* GASKET KIT, 6V53										AR		
	5199814	GASKET KIT, 6V53	AR											
	8927743	GASKET KIT (5063-5299)	AR											
	5199813	GASKET KIT, 3-53 (ALUM.)		AR										
	5199794	GASKET KIT, 8V53			AR									
	5198176	GASKET KIT, 8V53 MARINE SUPPLEMENTAL			AR									

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	63	65	69	72	82	83	86	91	99	105	144
		1.1002 - GASKET KIT, ENGINE OVERHAUL (CONT'D)												
	5199816	GASKET KIT, 6V53 (ALUM.)					AR							
	5149150	GASKET KIT, 8V53											AR	
		* SIX (6) ADDITIONAL PART NO. 5121256 SEALS IN 1.6190 ARE ALSO REQUIRED FOR TYPE 99.												
		1.1020 - PLATE, CYLINDER BLOCK END-REAR												
		A PLATE ASSY. INCLUDES PLUG NUTS.												
1A,7C	**5121365**	PLATE ASSY., 2,3-53 A AND B ENG.				1								1
1A,7C	**5121366**	PLATE ASSY., 2,3-53 C AND D ENG.							1					
1A,7C	**5121367**	PLATE ASSY., 4-53 A AND B ENG.								1	1			
1A,7C	**5121368**	PLATE ASSY., 4-53 C AND D ENG.				1								
1B,7D	**5126194**	PLATE ASSY., 6V53	1				1					1		
1A,7C	**5137469**	PLATE ASSY., 3-53 (ALUM.)		1										
1A,7C	**5146886**	PLATE ASSY., 8V53			1								1	
1A,B	**5121459**	PLUG, 3/8"-24 NUT	2	8	2	9	2		8	9	9	2	2	8
1A,B	**9409079**	BOLT, 3/8"-16X7/8"(12.9001)		1		13			13	13	13			13
1A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)	12		4							12	4	
1A,B	**9409028**	BOLT, 3/8"-16X1" (12.9001)		12										
1A,B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)					4							
1A,B	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)	2		2							2	2	
1A,B	**179886**	BOLT, 1/2"-13X1 5/8" (12.9001)					1							
1A,B	**5188274**	WASHER, 1/2" BEVELED (6.1020)	2		2							2	2	
1A,B	**103341**	WASHER, 3/8" (12.9190)					AR							
1A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR			AR	AR	AR	AR	AR	AR
		1.1030 - GASKET, CYLINDER BLOCK END PLATE-FRONT												
1A	**5116354**	GASKET, 2,3,4-53		1		1			1	1	1			1
1B	**5133397**	GASKET, 6V53	1		1		1			1		1		
	5147302	GASKET, 8V53 REAR			1								1	
	5132931	GASKET, 8V53 CENTER											1	
		1.1040 - COVER, CYLINDER BLOCK HAND HOLE												
1A,1C	**5116373**	COVER, 3-53 (ITEM 5)							1					1
1A,1C	**5116374**	COVER, 4-53 (ITEM 4)				1					1			
1B,1C	**8921313**	COVER, 6V53 (ITEM 3)	4											
	5127875	% COVER, 4-53 (RB-RC-LB-LC ENG.)								1				
1C	**5132458**	COVER, 6, 8V53 (ALUM.) (ITEM 2)			6		4					4	6	
1B	**5107440**	CLAMP	4											
	105451	GASKET, 3/8" COPPER (12.9360)	4											
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)			12		8					8	12	
	180120	BOLT, 3/8"-16X3/4" (12.9001)				6			6	6	6			6
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	4											
	103341	WASHER, 3/8" (12.9190)	4											
	103320	LOCKWASHER, 5/16" (12.9200)			12		8					8	12	
	103321	LOCKWASHER, 3/8" (12.9200)				6			6	6	6			6
		% NOT SERVICED; USE 5199508 COVER AND 1-5121182 PLUG.												

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	63	65	69	72	82	83	86	91	99	105	144
		1.1050 - GASKET, CYLINDER BLOCK HAND HOLE COVER												
1C	**5116380**	GASKET, 3-53 (ITEM 5)							1					1
1A	**5116381**	GASKET, 4-53 (ITEM 4)				1				1	1			
1B,1C	**5107441**	GASKET, 6V53 (ITEM 3)	4											
1C	**5106688**	GASKET, 6, 8V53 (ITEM 2)			6		4					4	6	
		1.1060 - COVER, CYLINDER BLOCK WATER HOLE												
1A,B	**5123918**	COVER, 1/8" TAPPED HOLE	1											
1A,B	**5164190**	* COVER, 1/4" TAPPED HOLE								1				
1A,B	**5150023**	COVER, PLAIN (3 10/32" L.)				1			1	1				1
1A,B	**5132473**	COVER, PLAIN (4.30" L.)										1	1	
1B	**114981**	DRAINCOCK, 1/8" (12.9510)	1											
1B	**8924140**	DRAINCOCK, 1/4" (12.9510)								1				
1A,B	**186618**	BOLT, 5/16"-18X5/8" (12.9001)				2	2			2	2			
1A,B	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	2						2				2	2
1A,B	**186629**	BOLT, 5/16"-18X1" (12.9001)										2		
1A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	2			2			2	2	2	2	2	2
		* USE WITH AUTOMATIC SHUTDOWN.												
		1.1065 - COVER, CYLINDER BLOCK OIL HOLE												
	5132470	COVER (PLAIN)											1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)											2	
	103320	LOCKWASHER, 5/16" (12.9200)											2	
		1.1066 - GASKET, CYLINDER BLOCK OIL HOLE COVER												
	5132471	GASKET											1	
		1.1070 - GASKET, CYLINDER BLOCK WATER HOLE COVER												
1A,B	**5116357**	GASKET	1			1			1	1	1			1
1A,B	**5132474**	GASKET										1	1	

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 145	146	147	163	166	168	169	189	203	214	230	236
		1.1001 - BLOCK, CYLINDER												
		FOR COMPONENTS OF SERVICE CYLINDER BLOCK ASSEMBLIES REFER TO ASSEMBLY BREAK DOWN PAGES AS INDICATED BELOW.												
	5149389	BLOCK ASSY, 4-53 (PAGE B1)	1		1	1								
	5149428	BLOCK ASSY., 6V-53 (PAGE B1) (TURBO OR NON-TURBO)		1										
	5149781	BLOCK ASSY., 6V-53 (PAGE B1) (TURBO)							1		1			
	5149390	BLOCK ASSY., 3-53 (PAGE B1)					1			1		1		
	5196490	+ BLOCK ASSY., 3-53 (PAGE A1)						1					1	
	8926997	BLOCK ASSY., 6V-53 (TURBO) (PAGE A1)												1
	8927003	BLOCK ASSY., 6V-53 (TURBO) (PAGE A1)												
1A	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)	7		7	7	7	4		6		6	4	4
	8923847	PLUG, 1/4" PIPE (4.7001)	1		1	1				1		1		
	8923313	PLUG, 3/4" PIPE W/SEAL (12.9550)		2									1	1
	5121316	PLUG, .6275"X.40" CUP			2					2				
	5101601	PLUG, .7525"X.40" CUP	2		2	2	2			2				
	5150130	PLUG, 5/16" CUP		1					1		1		1	1
	5150131	PLUG, 7/16" CUP	2		2	2	2	2		2		2		
	5103045	PIN, 5/16"X3/8" DOWEL		3									5	5
	141346	PIN, 3/16"X1/2" DOWEL (12.9290)	4	4	4	4	4			4		4		
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	4		4	4	4			4		4		
	8926979	DRAINCOCK, 1/8" (12.9510)	2		2	2	2	1		1		1		
	5135548	INSERT, .80" DIA.						4						
	5135663	INSERT, .455" DIA.						4						
	5135547	SLEEVE, .434" DIA.						4						
	5135662	SLEEVE, .299" DIA.						4						
		+ NOT SERVICED. USE 5149390.												
		1.1002 - GASKET KIT, ENGINE OVERHAUL												
		A GASKET KIT CONSISTS OF GASKETS NECESSARY FOR ONE ENGINE OVERHAUL. GASKET KITS DO NOT INCLUDE THE ADDITION AL GASKETS REQUIRED FOR TURBOCHARGED ENGINES.												
	5199792	GASKET KIT, 4-53	AR		AR	AR								
	5199793	GASKET KIT, 6V53		AR			AR			AR		AR		
	5199791	GASKET KIT, 3-53						AR						
	5199813	GASKET KIT, 3-53 (ALUM.)							AR		AR			
	5199814	GASKET KIT, 6V53 (TURBO)											AR	AR
	8928522	GASKET KIT, 6V53 (TURBO)												
		1.1020 - PLATE, CYLINDER BLOCK END-REAR												
		A PLATE ASSY. INCLUDES PLUG NUTS.												
1A,7C	5121367	PLATE ASSY. 4-53 A AND B ENG.	1											
1B,7D	5126194	PLATE ASSY. 6V53		1					1		1		1	1
1A,7C	5121368	PLATE ASSY. 4-53 C AND D ENG.			1	1								
1A,7C	5121366	PLATE ASSY. 3-53					1			1				
1A,7C	5137469	* PLATE ASSY. 3-53 (ALUM.)						1				1		
1A,7C	5121365	PLATE ASSY. 3-53												
1A,1B	5121459	PLUG, 3/8"-24 NUT	9	2	9			8	2	8		8	2	2
1A,B	454813	BOLT, 1/4"-20X7/8" (12.9001)	13		13	13								
1A,B	8927580	BOLT, 3/8"-16X1.015" (12.9001)					13	1		13		13		
1A,B	179839	BOLT, 3/8"-16X1" (12.9001)		12					10		10		10	10
1A,B	8927581	BOLT, 3/8"-16X"1 (12.9001)						12						
1A,B	186725	BOLT, 1/2"-13X1 1/2" (12.9001)		2					2		2		2	2
1A,B	5188274	WASHER, 1/2" BEVELED (6.1020)		2					2		2		2	2

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 145	146	147	163	166	168	169	189	203	214	230	236
		1.1020 - PLATE, CYLINDER BLOCK END-REAR (CONT'D)												
1A,B	103321	LOCKWASHER, 3/8" (12.9200)	13	12	13	13	13		10	13	10	13	10	10
		* NOT SERVICED. USE 5121365.												
		1.1030 - GASKET, CYLINDER BLOCK END PLATE-FRONT												
1A	5116354	GASKET, 2,3,4-53	1		1	1	1	1		1		1		
1B	5133397	GASKET, 6V-53		1					1		1		1	1
		1.1040 - COVER, CYLINDER BLOCK HAND HOLE												
1A,1C	5116374	COVER, 4-53 (ITEM 4)	1			1								
1C	5121027	COVER, 4-53 ALUM. (ITEM 1)			1									
1C	5116373	COVER, 3-53 (ITEM 5)					1					1		
	8923455	COVER, 3-53T (ITEM 5)								1				
1C	8921313	COVER, 6V-53T (ITEM 3)		4					4		4		3	4
	8921314	COVER, 6V-53T											1	
	5107028	STIFFENER, 6.54" L. (UPPER)								1				
	5107029	STIFFENER, 6.54" L. (LOWER)								1				
	5130590	@ CLAMP		4					4		4		4	4
	5107440	CLAMP												
	105451	GASKET, 3/8" COPPER (12.9360)		4					4		4		4	4
	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)			1								1	
	8923355	SCREW, 3/8"-16X7/8" (12.9027)								2				
	180120	BOLT, 3/8"-16X3/4" (12.9001)	6			6	6					6		
	179839	BOLT, 3/8"-16X1" (12.9001)			6					4				
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)		4					4		4		4	4
	103341	WASHER, 3/8" (12.9190)		4	6				4		4		4	4
	103321	LOCKWASHER, 3/8" (12.9200)	6		6	6	6			4		6		
		@ NOT SERVICED, USE 5130589 AND SD-245.												
		1.1050 - GASKET, CYLINDER BLOCK HAND HOLE COVER												
1A,1C	5116381	GASKET, 4-53 (ITEM 4)	1		1	1								
1B,1C	5107441	GASKET, 6V-53 (ITEM 3)		4					4		4		4	4
1A,1C	5116380	GASKET, 3-53 (ITEM 5)					1							
1A	5106629	GASKET, 3-53T (ITEM 5)								1				
		1.1060 - COVER, CYLINDER BLOCK WATER HOLE												
1A,B	5150023	COVER, PLAIN (3 10/32" L.)	1		1	1	1	1		1		1		
1A,B	5123918	COVER, 1/8" TAPPED HOLE		1					1		1		1	1
1B	8926979	DRAINCOCK, 1/8" (12.9510)		1					1		1		1	2
1A,B	179816	BOLT, 5/16"-18 X3/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
1A,B	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		1.1070 - GASKET, CYLINDER BLOCK WATER HOLE COVER												
1A,B	5116357	GASKET	1	1	1	1	1	1	1	1	1	1	1	1

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 237	240	269	303
		1.1001 - BLOCK, CYLINDER				
		FOR COMPONENTS OF SERVICE CYLINDER BLOCK ASSEMBLIES REFER TO ASSEMBLY BREAK DOWN PAGES AS INDICATED BELOW.				
	8926997	BLOCK ASSY., 6V-53 (PAGE A1) (TURBO)	1		1	1
	5149428	BLOCK ASSY., 6V-53 (PAGE B1) (TURBO OR NON-TURBO)		1		
	5103045	PIN, 5/16"X3/8" DOWEL	3	3	3	3
	8923313	PLUG, 3/4" PIPE W/SEAL (12.9550)	1	1	1	1
		1.1002 - GASKET KIT, ENGINE OVERHAUL				
		A GASKET KIT CONSISTS OF GASKETS NECESSARY FOR ONE ENGINE OVERHAUL. GASKET KITS DO NOT INCLUDE THE ADDITION AL GASKETS REQUIRED FOR TURBOCHARGED ENGINES.				
	NPN	GASKET KIT, 6V53 (TURBO)		AR		
	8927743	GASKET KIT, 6V53 (MILITARY)	AR		AR	AR
		1.1020 - PLATE, CYLINDER BLOCK END-REAR				
		A PLATE ASSY. INCLUDES PLUG NUTS.				
1B,7D	**5126194**	PLATE ASSY., 6V53	1	1	1	1
1A,1B	**5121459**	PLUG, 3/8"-24 NUT	2	2	2	2
1A,B	**179839**	BOLT, 3/8"-16X1" (12.9001)	10	10		
1A,B	**8927580**	BOLT, 3/8"-16X1.015" (12.9001)			10	10
1A,B	**186725**	BOLT, 1/2"-13X1 1/2" (12.9001)	2	2	2	2
1A,B	**5188274**	WASHER, 1/2" BEVELED (6.1020)	2	2	2	2
1A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	10	10	10	10
		1.1030 - GASKET, CYLINDER BLOCK END PLATE-FRONT				
1B	**5133397**	GASKET, 6V-53	1	1	1	1
		1.1040 - COVER, CYLINDER BLOCK HAND HOLE				
1C	**8921313**	COVER, 6V-53T (ITEM 3)	4	3	4	3
1B	**8921314**	COVER, 6V-53T		1		
1B	**23501681**	COVER, 6V-53T				1
	23501835	TRANSDUCER				1
	5107440	CLAMP	4	4		4
	5130589	CLAMP			4	
	105451	GASKET, 3/8" COPPER (12.9360)	4	4	4	4
	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)		1		
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	4	4	4	4
	103341	WASHER, 3/8" (12.9190)	4	4	4	4
		1.1050 - GASKET, CYLINDER BLOCK HAND HOLE COVER				
1B,C	**5107441**	GASKET, 6V-53 (ITEM 3)	4	4	4	4

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 237	240	269	303
		1.1060 - COVER, CYLINDER BLOCK WATER HOLE				
1A,B	**5123918**	COVER, 1/8" TAPPED HOLE	1	1	1	1
1B	**114981**	DRAINCOCK, 1/8" (12.9510)	1	1	1	1
1A,B	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	2	2	2	2
1A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2
		1.1070 - GASKET, CYLINDER BLOCK WATER HOLE COVER				
1A,B	**5116357**	GASKET	1	1	1	1

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		1.1001 - BLOCK, CYLINDER														
	5196489	* BLOCK ASSY., 2-53	1													
	5196490	# * BLOCK ASSY., 3-53		1												
	5198692	* BLOCK ASSY., 3-53 (ALUM.)			1											
	5136343	# * BLOCK ASSY., 3-53 (MALLEABLE CAP)				1										
	5135252	# * BLOCK ASSY., 3-53 (TURBO)					1									
	5196491	# * BLOCK ASSY., 4-53						1								
	5134842	# * BLOCK ASSY., 4-53 (MALLEABLE CAP)							1							
	5196821	# @ BLOCK ASSY., 6V53								1						
	5197164	# @ BLOCK ASSY., 6V53									1					
	5198292	+ @ BLOCK ASSY., 6V53 (ALUM.)										1				
	8926997	@ BLOCK ASSY., 6V-53 (TURBO)											1			
	8927003	@ BLOCK ASSY., 6V-53 (TURBO)												1		
3A	**5116142**	CAP, MAIN BEARING 2,3,4-53 (UNFINISHED) (1.3110)	3	4		4	4	5	5							
3A	**5133620**	CAP, MAIN BEARING 3-53 (UNFINISHED) (1.3110)			4											
3A	**5132479**	CAP (INTERMEDIATE) 6V53 (UNFINISHED) (1.3110)								4	4		4	4		
3A	**5137937**	CAP, MAIN BEARING 6V53 (UNFINISHED) (1.3110)										4				
	5196965	+ SPACER, MAIN BEARING CAP BOLT (SHIPPING)			8					8	8		8	8		
	5136277	SPACER, MAIN BEARING SUPPORT (1.3112)										8				
7A	**5198431**	BEARING SET, CAMSHAFT 2-53 (1.7010)	1													
7A	**5198209**	BEARING SET, CAMSHAFT 3-53 (1.7010)		1	1	1	1									
7A	**5198984**	BEARING SET, CAMSHAFT 4-53 (1.7010)						1	1							
7B	**5197944**	BEARING SET, CAMSHAFT 6V53 (1.7010)								1	1	1	1	1		
	5119022	% COVER, AIR BOX	1													
	5128482	+ COVER, AIR BOX (1/4" TAPPED HOLE)	1							3		2				
	141212	PIN, 5/16"X5/16" DOWEL (12.9290)								2	2	2				
	5103045	PIN, 5/16"X3/8" DOWEL										1				
	141214	PIN, 5/16"X7/16" DOWEL (12.9290)										2				
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)											1			
	8928531	BUSHING, RED 3/4"-1/2"								4		8				
	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)								1	1	1				
	5150130	PLUG, 5/16" CUP								4	1	1				
	5115214	PLUG, 1/2" PIPE (12.9550)									1					
	5119218	PLUG, 7/8" CUP (5.1030)								2	2	8	2	2		
	5109157	PLUG, 1 1/4" CUP (5.5001)										2				
	5117186	PLUG, 2" CUP (1.2001)										2				
	5138184	PLUG, .984"/.980" CUP										2				
	5138183	PLUG, 1.580"/1.576" CUP														
3A	**5116199**	BOLT, MAIN BEARING CAP (1.3140)	6	8		8	8		10	8	8		8	8		
3A	**5141701**	BOLT, MAIN BEARING CAP (1.3140)			8							16				
3A	**5135523**	BOLT, 1/2"-12X7.94" (1.3140)								8	8		8	8		
3A	**8921876**	WASHER, 14.8 MM (12.9190)			8							16				
3A	**5132715**	WASHER, .53" (1.3140)														
		THE FOLLOWING ITEMS ARE SHIPPED LOOSE WITH THE CYLINDER BLOCK.														
	5146437	ELBOW, AIR BOX DRAIN TEE	1	1	1				1							
	8925004	TEE, 1/4" INV. FL. (7.4586)	1	1	1				1							
	141346	PIN, 3/16"X1/2" DOWEL (12.9290)	4	4	4				4	4	4	4	4	4		
	141212	PIN, 5/16"X5/16" DOWEL (12.9290)								4	3		3	3		
	5103045	PIN, 5/16"X3/8" DOWEL									2		2	2		
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	4	4					4	4	4		4	4		
	8926979	DRAINCOCK, 1/8" (12.9510)		1					2	3	3	2	3	2		
	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)	4		4				7	4	4		4	4		
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1				1	1						

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		1.1001 - BLOCK, CYLINDER (CONT'D)														
	8923847	PLUG, 1/4" PIPE (4.7001)									2		2	1		
	5150130	PLUG, 5/16" CUP								1	1		1	1		
	5150131	PLUG, 7/16" CUP (OIL HOLES)	3	2	2			2								
	5115214	PLUG, 1/2" PIPE (12.9550)			1						3		4	4		
	5121316	PLUG, .6275"X.40" CUP	2	2				2								
	5142549	PLUG, 3/4"-14 PIPE (12.9550)								1						
	5101601	PLUG, .7525"X.40 CUP												2		
	5119218	PLUG, 7/8" CUP (5.1030)								1	1		1	1		
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			2											
	8927581	BOLT, 3/8"-16X1" AA LOCK (12.9001)			2											
	9414523	BOLT, 7/16"-14X1" AA LOCK (12.9001)			6											
	5133981	WASHER, 19/32"			8											
	5108435	WASHER, 3/8" (12.4010)			2											
	5125608	WASHER, 7/16" (1.3112)			6											

% THRU 2D-4009 ON TYPE 28 AND 33.
+ OBSOLETE
* PLUGGING CHART 18SP86, INLINE 53.
NOT SERVICED, SHOWN FOR REFERENCE ONLY.
@ PLUGGING CHART 18SP87, V53.

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1.1000 CYLINDER BLOCK

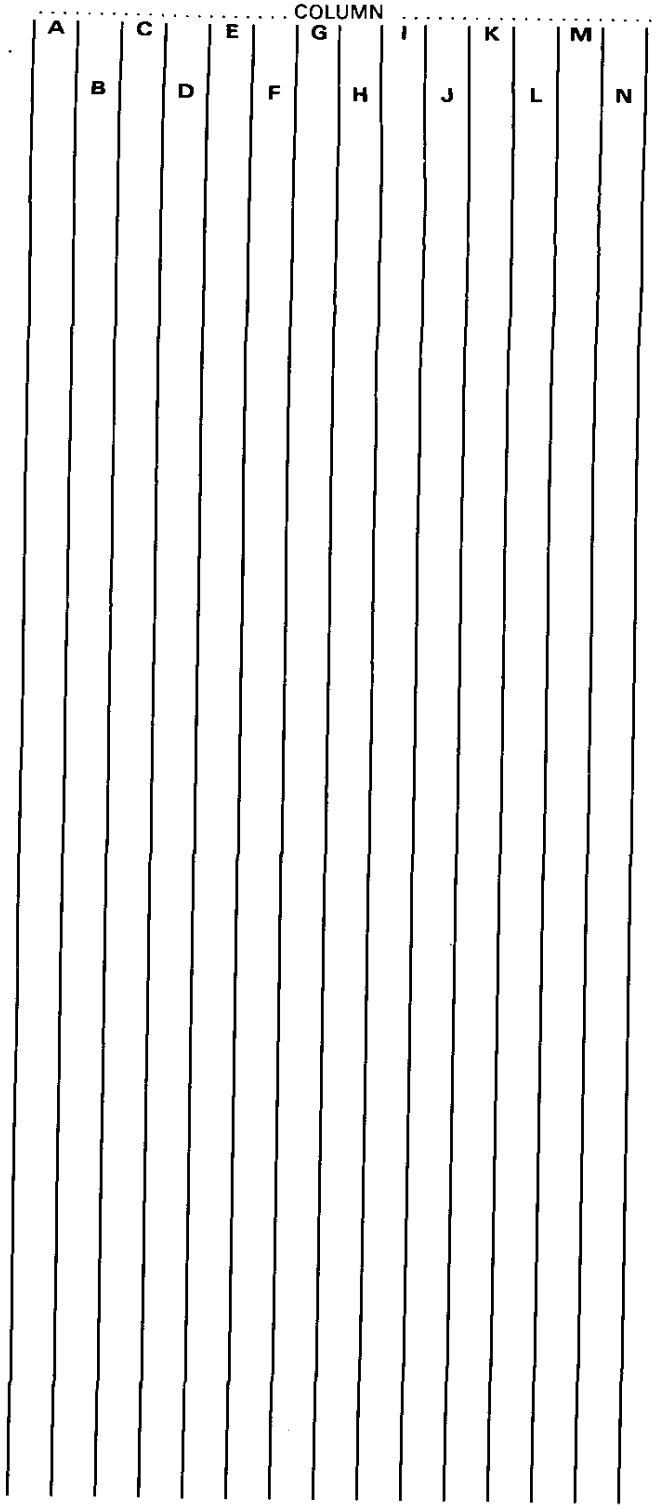
FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		1.1001 - BLOCK, CYLINDER														
	5136802	+ * BLOCK ASSY., 6V53 ALUMINUM	1													
	5198148	* BLOCK ASSY., 8V53		1												
	5149296	* BLOCK ASSY., 8V53			1											
	5149389	* BLOCK ASSY., 4-53				1										
	5149390	* BLOCK ASSY., 3-53					1									
	5149428	* BLOCK ASSY., 6V53						1								
	5106542	+ * BLOCK ASSY., 6V53							1							
	5149781	* BLOCK ASSY., 6V53								1						
3A	5137937	CAP, MAIN BEARING 6V53 (UNFINISHED) (1.3110)	4													
3A	5132479	CAP, MAIN BEARING 6V, 8V53 INTERMEDIATE (UNFINISHED) (1.3110)		5				4	4	4						
3A	5135258	CAP, MAIN BEARING 8V53 (MALLEABLE IRON) (1.3110)			5											
3A	5116142	CAP,MAIN BEARING. INLINE 53 (1.3110) (UNFINISHED)				5	4									
7B	5197944	BEARING SET, CAMSHAFT 6V53 (1.7010)	1					1	1	1						
7B	5197930	BEARING SET, CAMSHAFT 8V53 (1.7010)		1	1											
7B	5198984	BEARING SET, CAMSHAFT 4-53 (1.7010)				1										
7A	5198209	BEARING SET, CAMSHAFT 3-53 (1.7010)					1									
	452672	INSERT, 5/16"-18X5/8" HELICOIL (12.9118)	28													
	452696	INSERT, 3/8"-16X3/4" HELICOIL (12.9118)	1													
	5179611	+ INSERT, HELICOIL (12.9118)	27													
	141346	PIN, 3/16"X1/2" DOWEL (12.9290)		4												
	5103045	PIN, 5/16"X3/8" DOWEL (PLATED)		6												
	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)		4		7	6									
	5150130	PLUG, 5/16" CUP		2												
	5150131	PLUG, 7/16" CUP				2	2									
	5109157	PLUG, 1 1/4" CUP (5.5001)	8	10	6			2	2	2						
	9427118	PLUG, 1 3/4" CUP (12.9320)			2											
	5117186	PLUG, 2" CUP (1.2001)	2	3	5											
	139191	SCREW, 5/8"-11X1/2" SKT. HD. SET (12.9076)		2												
3A	5135523	BOLT, 1/2"-12 X 7.94" (1.3140)	8													
3A	5141701	BOLT, MAIN BEARING CAP (1.3140)		10	10			8	8	8						
3A	5116199	BOLT, MAIN BRG. CAP (1.3140)				10	8									
3A	5132715	WASHER, .53" (1.3140)	8													
3A	5133981	WASHER, 19/32"		10	10											
3A	8921876	WASHER, 14.8 MM (12.9190)						8	8	8						
		THE FOLLOWING ITEMS ARE SHIPPED LOOSE WITH THE CYLINDER BLOCK.														
	5146437	ELBOW, AIR BOX DRAIN				1	1									
	8925004	TEE, AIR BOX DRAIN (7.4586)				1	1									
	5103045	PIN, 5/16"X3/8" DOWEL (PLATED)		2				2	2	2						
	141212	PIN, 5/16"X5/16" DOWEL (12.9290)						3	3	3						
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)		2		4	4	4	4	4						
	141346	PIN, 3/16" X1/2" DOWEL (12.9290)				4	4	4	4	4						
	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)		2				4	4	4						
	8923847	PLUG, 1/4" PIPE (4.7001)		1		1	1	1	1	1						
	5150130	PLUG, 5/16" CUP						1	1	1						
	5119218	PLUG, 7/8" CUP (5.1030)						1	1	1						
	5115214	PLUG, 1/2" PIPE (12.9550)						4	4	4						
	5138184	PLUG, .984"/.980" CUP		2												
	5101601	PLUG, .7525"X.40" CUP (4-53T)				2	2		2	2						
	5138183	PLUG, 1.578" CUP		2												
	114981	DRAINCOCK, 1/8" (12.9510)		2		2	1	2	2	2						

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1.1000 CYLINDER BLOCK

FIG	PART NUMBER	NAME AND DESCRIPTION
1.1001		BLOCK, CYLINDER (CONT'D)

* SEE BLOCK PLUGGING CHART 18SP86 FOR INLINE 53, & 18SP87 FOR V53 ENGINES.
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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 32	44	48	49	53	62	63	66	68	70	71	77
		1.1100 - TUBE, AIR BOX DRAIN												
10B	**5126681**	% TUBE, DEV. L. 2 7/16"		1										
10B	**5132918**	TUBE, DEV. L. 3.62"			2					1	2	2		
10J	**5127651**	@ TUBE, DEV. L. 4.20"											2	
10B	**5134195**	TUBE, DEV. L. 7.08"						2						
10B	**5132287**	& TUBE, DEV. L. 9.74"						2						
10J	**5134753**	# TUBE, DEV. L. 10.18"									2	1		
10B	**5132917**	TUBE, DEV. L. 11.76"				1	1		1					
10B	**5132286**	TUBE, DEV. L. 12.00"										1		
10B	**5134832**	TUBE, DEV. L. 12.06"	1											
10B	**5154970**	TUBE, DEV. L. 14 3/8"					1						1	
	5129458	HOSE, 1/4" I.D. X 24" L.											1	
	5134905	HOSE, 1/4" I.D.X4 1/2" L.											1	
	5134906	HOSE, 1/4"I.D.X20 1/4" L.					1							
	9139801	CLAMP, 11/16" DIA. HOSE (12.9660)											2	
	5146838	CLAMP, 1/2" HOSE (12.9660)												1
	8925726	ELBOW, 1/8"-45 DEG. STREET (12.9590)												
	224425	ELBOW, 3/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1										
	8925719	ELBOW, 3/16" INV. FL. TUBE 45 DEG. (12.9480)			2									
	8925128	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)				1								
	8925032	# ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)					2	2	1	3	2	2	2	
	8925023	& ELBOW, 1/4" INV. FL. TUBE 45 DEG. (12.9480)						2						2
	2140049	VENT ASSY.									1	1		
	8926232	ADAPTOR, 1/8" P.T. BR. (12.9570)								1	2	1		
	442346	TEE, 3/8" INV. FL. TUBE, 1/8" P.T. (12.9490)										1		
	178685	TEE, 1/4" INV. FL. TUBE, 1/8" P.T. (R. ANGLE) (12.9490)						1						
	8924517	PLUG, 3/8"-18 SQ. SOC. PIPE (12.9550)		1										
	137396	NUT, 3/16" INV. FL. TUBE (12.9460)				1	1		1					
	137397	NUT, 1/4" INV. FL. TUBE (12.9500)												
		@ NOT SERVICED, CONVERT TO TYPE 62.												
		& THRU 6D-6339.												
		# EFFECTIVE WITH 6D-6340 IN TYPE 62.												
		% OBSOLETE.												
		1.1145 - CLIP, AIR BOX DRAIN TUBE												
10B	**140580**	CLIP, 3/8" DIA. (12.9630)											4	
10B	**5176668**	CLIP, 13/32"-3 HOLES (1.1100)	1		2						2	2		
		1.1150 - TANK ASSY., AIR BOX AND FUEL PUMP DRAIN												
	5134825	TANK											1	
		1.1155 - HOSE, ROCKER COVER DRAIN												
	5134824	HOSE, 36" L.											1	
	272853	CLAMP, HOSE (12.9660)											1	
	5181415	CLIP, 1 1/8" DIA. (5.5390)											2	

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 32	44	48	49	53	62	63	66	68	70	71	77
		1.1180 - ELEMENT, DRAIN TANK												
	5135721	ELEMENT											1	
		1.1240 - BRACKET, DRAIN TANK MOUNTING												
	5134826	BRACKET											1	

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	79	80	81	82	83	84	85	86	96	98	114
		1.1100 - TUBE, AIR BOX DRAIN												
10B	5132918	TUBE, DEV. L. 3.62"		2			1	1	2	1	1	2		2
10B	5134195	TUBE, DEV. L. 7.08"								1				
	5137968	TUBE, DEV. L. 9.90"			1									
10B	5137692	TUBE, DEV. L. 10.18"			1									
10B	5137728	TUBE, DEV. L. 10.18"		1			2	1	2	1	1	2		
10B	5132917	TUBE, DEV. L. 11.76"	1										1	
10B	5136320	TUBE, DEV. L. 11.84" (WITH CLIP)								1				
10B	5132286	TUBE, DEV. L. 12.00"		1				1			1			
10B	5134832	TUBE, DEV. L. 12.06"					1	1	1	1	1	1		
10B	5136173	TUBE, DEV. L. 12.74"	1		2				1	1				
10B	5137969	% TUBE, DEV. L. 14.76"												
	442328	CONNECTOR, 1/4" FL. TUBE (12.9460)							1	1				
	8924170	CONNECTOR, 1/4" FL. TUBE (12.9460)				1							1	
	8925726	ELBOW, 1/8"-45 DEG. STREET (12.9590)												
	5146437	ELBOW, 1/8" PIPE (1.1001)												
	5197259	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (2.8180)	2	2	2	1	3	3	2	3		3		2
	8925024	& ELBOW, 1/4" INV. FL. TUBE 45 DEG. (12.9390)		2										
	2140049	VENT ASSY.	1	1	1									
	8926232	ADAPTOR, 1/8" PIPE (12.9570)		1			1	1	1	1	1	1		
	8925004	TEE, 1/8" INV. FL. TUBE (7.4586)											1	
	442346	TEE, 3/8" INV. FL. TUBE, 1/8" P.T. (12.9490)		2			1	3	2		1	2		
	8924380	PLUG, 1/8" PIPE W/SEAL (12.9550)	1				2	2		2	2	1		
	137397	NUT, 1/4" INV. FL. TUBE (12.9500) & THRU 6D-6339.											1	
		% OBSOLETE.												
		1.1145 - CLIP, AIR BOX DRAIN TUBE												
10B	5163442	CLIP, 1/4" DIA., 3/4" W. (2.9428)		1				1			1			
10B	3290442	CLIP, 1/4" DIA., 5/8" W. (7.4085)							1					
10B	5176668	CLIP, 13/32"-3 HOLES (1.1100)	1			3	2	3	3	2		1		
		1.1150 - TANK ASSY., AIR BOX AND FUEL PUMP DRAIN												
	5134825	TANK												1
		1.1155 - HOSE, ROCKER COVER DRAIN												
	5145678	HOSE, 54" L. (1.1000)												1
	272853	CLAMP, HOSE												1
	5181415	CLIP (5.5390)												2
		1.1180 - ELEMENT, DRAIN TANK												
	5135721	ELEMENT												1

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 118	129	156	179	190
		1.1100 - TUBE, AIR BOX DRAIN					
	5137692	TUBE, DEV. L. 10.18"	1		1		
	5137728	TUBE, DEV. L. 10.18"	1		1		
	5103742	TUBE, 5/16"X18" L.		2			
	8926595	TUBE, DEV. L. 4.81"				1	
	8926291	TUBE, DEV. L. 7.86"				1	
	8926290	TUBE, DEV. L. 9.68"				1	
	5134195	TUBE, DEV. L. 7.08"					2
	8926596	TUBE, DEV. L. 12.36"				1	
	8996207	VALVE, AIR BOX CHECK				2	
	2140049	VENT ASSY.	2		2		
	5100136	ADAPTOR, 1/8" PIPE (12.9570)		1			
	5104370	ADAPTOR, AIR BOX DRAIN				2	
	442328	CONNECTOR, 1/4" FL. TUBE (12.9460)	2		2		
	9432266	CONNECTOR, 3/8" TUBE (12.9460)				1	
	8925048	CONNECTOR, 3/8" TUBE (12.9460)				1	
	8925726	ELBOW, 45 DEG. 1/8" (12.9590)				1	
	8925032	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	2			1	2
	8925128	ELBOW, 90 DEG. 1/4" (12.9480)				1	
	8924215	ELBOW, 90 DEG.- 5/16" INV. FL. TUBE (12.9480)		4			
	8924153	ELBOW, 90 DEG. INV. FL. TUBE (12.9480)		2			
	5196119	SPACER, 13/32" I.D.X7/8" O.D. (3.4001)				1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1		1	
	186629	BOLT, 5/16"-18X1" (12.9001)				1	
	103320	LOCKWASHER, 5/16" (12.9200)		1		2	
	5151921	WASHER, 9/16"X13/16" COPPER (3.3270)				4	
		1.1145 - CLIP, AIR BOX DRAIN TUBE					
	140579	CLIP, 5/16" DIA. (12.9630)		1			
	5176668	CLIP, 13/32"-3 HOLES	2		2		
	5124802	CLIP, 1/4" TUBE (3.3270)				1	
	5151883	CLIP, 3/8" TUBE (2.5070)				1	

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1.1000A AIR BOX DRAINS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 118	129	156	179
		1.1100 - TUBE, AIR BOX DRAIN				
	5137692	TUBE, DEV. L. 10.18"	1		1	
	5137728	TUBE, DEV. L. 10.18"	1		1	
	5103742	TUBE, 5/16"X18" L.		2		
	8926595	TUBE, DEV. L. 4.81"				1
	8926291	TUBE, DEV. L. 7.86"				1
	8926290	TUBE, DEV. L. 9.68"				1
	8926596	TUBE, DEV. L. 12.36"				1
	8996207	VALVE, AIR BOX CHECK				2
	2140049	VENT ASSY.	2		2	
	5100136	ADAPTOR, 1/8" PIPE (12.9570)		1		
	5104370	ADAPTOR, AIR BOX DRAIN				2
	442328	CONNECTOR, 1/4" FL. TUBE (12.9460)	2		2	
	9432266	CONNECTOR, 3/8" TUBE (12.9460)				1
	8925048	CONNECTOR, 3/8" TUBE (12.9460)				1
	444052	ELBOW, 45 DEG. 1/8" (12.9590)				1
	8925032	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	2			1
	8925128	ELBOW, 90 DEG. 1/4" (12.9480)				1
	8924215	ELBOW, 90 DEG.- 5/16" INV. FL. TUBE (12.9480)		4		
	8924153	ELBOW, 90 DEG. INV. FL. TUBE (12.9480)		2		
	5196119	SPACER, 13/32" I.D.X7/8" O.D. (3.4001)				1
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1		1
	186629	BOLT, 5/16"-18X1" (12.9001)				1
	103320	LOCKWASHER, 5/16" (12.9200)		1		2
	5151921	WASHER, 9/16"X13/16" COPPER (3.3270)				4
		1.1145 - CLIP, AIR BOX DRAIN TUBE				
	140579	CLIP, 5/16" DIA. (12.9630)		1		
	5176668	CLIP, 13/32"-3 HOLES	2		2	
	5124802	CLIP, 1/4" TUBE (3.3270)				1
	5151883	CLIP, 3/8" TUBE (2.5070)				1

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 21	22	23	24	25	26	30	57	61	62	68	75
		1.2001 - HEAD ASSY., CYLINDER												
		FOR COMPONENTS OF SERVICE CYLINDER HEAD ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN PAGE A1.												
2A	**5196033**	HEAD ASSY. (2 VALVE) 2-53	1						1					
2A	**5197949**	+ HEAD ASSY. (2 VALVE) 3-53		1										
2A	**5198203**	HEAD ASSY. (4 VALVE) 3,6V53			1			2				1	2	
2A	**5198204**	+ HEAD ASSY. (2 VALVE) 4-53				1								
2A	**5198202**	HEAD ASSY. (4 VALVE) 4,8V53					1			1	2			1
	5198438	HEAD ASSY. (4 VALVE) 3, 6V53											8	
	5135548	GASKET (1.1001)											8	
	5135663	GASKET (1.1001)											8	
	5135547	SLEEVE (1.1001)											8	
	5135662	SLEEVE (1.1001)											8	
	5144425	ADAPTOR, FUSE PLUG	1	1	1	1			1				2	1
	5198655	PLUG, FUSE PLUG	1	1	1	1			1	1	1		1	1
2A	**8924380**	PLUG, 1/8" PIPE (12.9550)	1	2	2	2		4	1	2	4	2	4	2
2A	**8923847**	PLUG, 1/4" HEX. SKT. PIPE (2.4015)	7	7	6	2	6	12		7	10	6	9	1
2A	**5125237**	PLUG, 1/4" PIPE	2	2		4					2			5
2A	**5154453**	PLUG, 3/8"-16 SL. HDLS.	3	3	3	3	3	8	3	3	8	4	8	4
2A	**5151449**	PLUG, 13/16" CUP (1.1001)	3	3	3	3	3	6	3	3	6	3		3
	5139997	PLUG, 7/8" DIA. CUP (STAINLESS)			3									
		+ OBSOLETE.												
		1.2002 - GASKET KIT, CYLINDER HEAD OVERHAUL												
		CONSISTS OF ALL GASKETS NECESSARY TO REPLACE ONE CYLINDER HEAD.												
	5199809	GASKET KIT, 2-53	AR						AR					
	5199811	GASKET KIT, 3,6V53		AR	AR			AR						AR
	5199812	GASKET KIT, 4-53				AR	AR			AR				
	5199815	GASKET KIT, 8V53									AR			
	5199820	GASKET KIT, 3-53										AR		
	5199817	GASKET KIT, 6V53											AR	
		1.2005 - NOZZLE, CYLINDER HEAD WATER												
	5119293	NOZZLE			4					6	12	4	8	4
		1.2010 - GASKET, CYLINDER HEAD COMPRESSION												
1B,C	**5121254**	GASKET	2	3	3	4	4	6	2	4	8	3	6	3
		1.2022 - GASKET, CYLINDER HEAD WATER AND OIL												
1A	**5116291**	RING, SEAL	1						1					
1A	**5116290**	RING, SEAL (END WATER HOLE)	4	4	4	4	4	8	4	4	8	4		4
1A,C	**5121207**	RING, SEAL (CENTER WATER HOLE)	2	4	4	6	6	8	2	6	12	4		4
1B,C	**5116122**	RING, SEAL (OIL HOLE)	1	2	2	2	2	4	1	2	4	2	4	3
1A,C	**5116292**	RING, SEAL		1	1			2				1	2	1
1A	**5116293**	RING, SEAL				1	1			1	2			

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 21	22	23	24	25	26	30	57	61	62	68	75
		1.2030 - STUD, CYLINDER HEAD												
2A	5121263	BOLT, 5/8"-11X6 1/4" (12 PT. HD.)	6	8	8	10	10	16	6	10	20		9	8
	5130926	BOLT, 5/8"-11X6 1/2" (12 PT. HD.)										8	7	
	5135954	BOLT, 5/8"-11X7.38" (12 PT. HD.)												
		1.2040 - NUT, CYLINDER HEAD STUD												
	5150013	NUT, 5/8"-18										4		
		1.2043 - COVER, CYLINDER HEAD WATER HOLE												
2A	5136610	COVER (PLAIN) (USE 3/8"-16X1" BOLT)	1	1	1		1	2			2		2	1
10C	5123168	COVER, 1/8" PIPE TAP, CENTERED	1	1	1	1	1	2				1		
10C	5127837	COVER, 1/8" PIPE TAP, OFF CENTER	1	1	1	1	1	2			2			
10C	5139226	COVER, 1/8" X 3/8" PIPE TAP (1.1060)			1									
	5129019	COVER, 1/4" PIPE TAP	1	1	1	1	1	2						
	5141136	COVER, 1/4" X 3/8" PIPE TAP						2						
10C	5123352	COVER, 3/8" PIPE TAP	1	1	1	1	1	2	1					
10C	5109707	COVER, 1/4" AND 1/2" PIPE TAPS	1	1	1	1	1	2		1				
10C	5135525	COVER, 1/2" PIPE TAP, BOSS		1										
	5109916	COVER, 1/2" PIPE TAP (.38" THICK)						2						
10C	8924380	PLUG, 1/8" PIPE SQ. HD. (12.9550)	1	1	1	1	1	2			2	1		
10C	8923847	PLUG, 1/4" PIPE (2.4015)	1	1	2	1	1	2		1				
10C	8924517	PLUG, 3/8" PIPE SQ. HD. (12.9550)	1	1	1	1	1	2						
10C	5115214	PLUG, 1/2" PIPE SQ. HD. (12.9550)	1	1	1	1	1	2						
	5146648	PLUG, 1/2" PIPE SOC. HD. (1.3162)				1								
2A	8927580	BOLT, 3/8"-16X7/8" (12.9001)	2	2		2	2			2	4			
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2	2	2	4	2		4	2	4	2
2A	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	4	2	2	4	2	4	2
		1.2044 - GASKET, CYLINDER HEAD WATER HOLE COVER												
2A	5116242	GASKET	1	1	1	1	1	2	1	1	2	1	2	1
		1.2045 - TUBE, INJECTOR HOLE												
2A	8925981	KIT, INJECTOR HOLE TUBE (INCLUDES SEAL RING 5104701) TUBE IS STAMPED "606" FOR IDENTIFICATION	2	3	3	4	4	6	2	4	8		6	
		1.2046 - RING, INJECTOR HOLE TUBE SEAL												
2A	5104701	RING (PART OF KIT IN 1.2045) (2.1300)	2	3	3	4	4	6	2	4	8		6	3

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 84	86	92	93	122	123	131	132	147	148	150	151
		1.2001 - HEAD ASSY., CYLINDER												
		FOR COMPONENTS OF SERVICE CYLINDER HEAD ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN PAGE A1.												
2A	5198203	HEAD ASSY. (4 VALVE) 3,6V53	2										1	
	5133047	* HEAD ASSY. (4 VALVE) 4, 8V53		1										
2A	5134202	+ HEAD ASSY. (2 VALVE) 3-53			1		1							
2A	5134203	+ HEAD ASSY. (2 VALVE) 4-53				1		1						
	5102500	% HEAD ASSY. (4-VALVE) 3, 6V53												2
	5149426	HEAD ASSY. (4 VALVE TURBO) 4-53							1			1		
	5149425	HEAD ASSY. (4 VALVE TURBO) 3-53; 6V-53								2	1			
	5135663	GASKET (1.1001)	8											
	5135548	GASKET (1.1001)	8											
	5135547	SLEEVE (1.1001)	8											
	5135662	SLEEVE (1.1001)	8											
	5144425	ADAPTOR, FUSE PLUG	2	1			1	1						
	5198655	PLUG, FUSE PLUG	1	1	1	1	1	1						
2A	8924380	PLUG, 1/8" PIPE (12.9550)	4	2	2	2	2	2	2	4	2	2	2	4
2A	5125237	PLUG, 1/4" PIPE	17	5	5	5	4	4				4	4	
	8923847	PLUG, 1/4" PIPE (2.4015)	4	2	1	2	2	2	6	11	6	2	2	12
2A	5154453	PLUG, 3/8"-16 SL. HDLS.	8	3	3	3	3	3	3	8	4	3	3	8
2A	5151449	PLUG, 13/16" CUP (1.1001)	6	3	3	3	5	2	3	6	3	3	3	6
	5139997	PLUG, 7/8" DIA. CUP (STAINLESS)					3	5						
	452664	INSERT, 5/16"-18X5/16" STAINLESS (12.9118)	4											
		+ OBSOLETE.												
		% NOT SERVICED; FOR SERVICE USE 5149425.												
		* NOT SERVICED. USE 5198202 (16) 8921502 INSERTS AND (4) 5131615 TUBES.												
		1.2002 - GASKET KIT, CYLINDER HEAD OVERHAUL												
		CONSISTS OF ALL GASKETS NECESSARY TO REPLACE ONE CYLINDER HEAD.												
	5199811	GASKET KIT, 3,6V53	AR		AR		AR			AR	AR		AR	AR
	5199812	GASKET KIT, 4-53		AR		AR		AR	AR			AR		
		1.2005 - NOZZLE, CYLINDER HEAD WATER												
	5119293	NOZZLE	8	6										
		1.2010 - GASKET, CYLINDER HEAD COMPRESSION												
1B,C	5121254	GASKET	6	4	3	4	3	4	4	6	3	4	3	6
		1.2022 - GASKET, CYLINDER HEAD WATER AND OIL												
1A	5116290	RING, SEAL (END WATER HOLE)		4	4	4	4	4	4	8	4	4	4	8
1A,C	5121207	RING, SEAL (CENTER WATER HOLE)		6	4	6	4	6	6	8	4	6	4	8
1B,C	5116122	RING, SEAL (OIL HOLE)	4	2	2	2	2	2	2	4	2	2	2	4
1A,C	5116292	RING, SEAL	2		1		1			2	1		1	2
1A	5116293	RING, SEAL		1		1		1	1			1		

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 84	86	92	93	122	123	131	132	147	148	150	151
		1.2030 - STUD, CYLINDER HEAD												
2A	**5121263**	BOLT, 5/8"-11X6 1/4" (12 PT. HD.)		10	8	10	8	10	10	16	8	10	8	16
	5130926	BOLT, 5/8"-11X6 1/2" (12 PT. HD.)	9											
	5135954	BOLT, 5/8"-11X7.38" (12 PT. HD.)	7											
	5137275	WASHER, .68" I.D.X1.00" O.D. X .12"	16											
		1.2043 - COVER, CYLINDER HEAD WATER HOLE												
2A	**5136610**	COVER (PLAIN) (USE 3/8"-16X1" BOLT)		1	1	1	1	1	1	2			1	
10C	**5139226**	COVER, 1/8"X3/8" PIPE TAP (1.1060)									1	1		
10C	**5123352**	COVER, 3/8" PIPE TAP	2											
10C	**5109916**	COVER, 1/2" PIPE TAP												2
10C	**5127837**	COVER, 1/8" PIPE TAP, OFF CENTER											1	
10C	**8924380**	PLUG, 1/8" PIPE SQ. HD. (12.9550)									1	1	1	
10C	**8924517**	PLUG, 3/8" PIPE SQ. HD. (12.9550)	2								2	2	2	4
	179839	BOLT, 3/8"-16X1" (12.9001)	4	2	2	2	2	2	2	4	2	2	2	4
2A	**103321**	LOCKWASHER, 3/8" (12.9200)	4	2	2	2	2	2	2	4	2	2	2	4
		1.2044 - GASKET, CYLINDER HEAD WATER HOLE COVER												
2A	**5116242**	GASKET	2	1	1	1	1	1	1	2	1	1	1	2
		1.2045 - TUBE, INJECTOR HOLE												
2A	**8925981**	KIT, INJECTOR HOLE TUBE (INCLUDES SEAL RING 5104701) TUBE IS STAMPED "606" FOR IDENTIFICATION	6	4	3	4	3	4	4	6	3	4	3	6
		1.2046 - RING, INJECTOR HOLE TUBE SEAL												
2A	**5104701**	RING (PART OF KIT IN 1.2045) (2.1300)	6	4	3	4	3	4	4	6	3	4	3	6

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 152	168	215
		1.2001 - HEAD ASSY., CYLINDER			
		FOR COMPONENTS OF SERVICE CYLINDER HEAD ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN PAGE A1.			
2A	**5198203**	HEAD ASSY. (4 VALVE) 3,6V53	2		
	5102500	% HEAD ASSY. (4-VALVE) 3, 6V53		2	1
2A	**8924380**	PLUG, 1/8" PIPE (12.9550)	4	4	2
	8923847	PLUG, 1/4" PIPE (2.4015)	12	12	6
2A	**5154453**	PLUG, 3/8"-16 SL. HDLS.	8	8	4
2A	**5151449**	PLUG, 13/16" CUP (1.1001)	6	6	3
		% NOT SERVICED; FOR SERVICE USE 5149425.			
		1.2002 - GASKET KIT, CYLINDER HEAD OVERHAUL			
		CONSISTS OF ALL GASKETS NECESSARY TO REPLACE ONE CYLINDER HEAD.			
	5199811	GASKET KIT, 3,6V53	AR	AR	AR
		1.2010 - GASKET, CYLINDER HEAD COMPRESSION			
1B,C	**5121254**	GASKET	6	6	3
		1.2022 - GASKET, CYLINDER HEAD WATER AND OIL			
1A	**5116290**	RING, SEAL (END WATER HOLE)	8	8	4
1A,C	**5121207**	RING, SEAL (CENTER WATER HOLE)	8	8	4
1B,C	**5116122**	RING, SEAL (OIL HOLE)	4	4	2
1A,C	**5116292**	RING, SEAL	2	2	1
		1.2030 - STUD, CYLINDER HEAD			
2A	**5121263**	BOLT, 5/8"-11X6 1/4" (12 PT. HD.)	16	16	8
		1.2043 - COVER, CYLINDER HEAD WATER HOLE			
2A	**5136610**	COVER (PLAIN) (USE 3/8"-16X1" BOLT)		1	1
10C	**5123352**	COVER, 3/8" PIPE TAP	1		
10C	**5109916**	COVER, 1/2" PIPE TAP	1	1	
10C	**8924380**	PLUG, 1/8" PIPE SQ. HD. (12.9550)	1	1	
10C	**8924517**	PLUG, 3/8" PIPE SQ. HD. (12.9550)	1		
10C	**5115214**	PLUG, 1/2" PIPE SQ. HD. (12.9550)	1	1	
	8927581	BOLT, 3/8"-16X1" (12.9001)	4	4	2
2A	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4	2
		1.2044 - GASKET, CYLINDER HEAD WATER HOLE COVER			
2A	**5116242**	GASKET	2	2	1

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 152	168	215
		1.2045 - *TUBE, INJECTOR HOLE*			
2A	**8925981**	KIT, INJECTOR HOLE TUBE (INCLUDES SEAL RING 5104701) TUBE IS STAMPED "606" FOR *IDENTIFICATION*	6	6	3
		1.2046 - RING, INJECTOR HOLE TUBE SEAL			
2A	**5104701**	RING (PART OF KIT IN 1.2045) (2.1300)	6	6	3

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 84	86	92	93	122	123	131	132	147	148	150	151	152	215
		1.2001 - HEAD ASSY., CYLINDER														
		FOR COMPONENTS OF SERVICE CYLINDER HEAD ASSEMBLIES REFER TO ASSEMBLY BREAKDOWN PAGE A1.														
2A	5198203	HEAD ASSY. (4 VALVE) 3,6V53	2										1		2	
	5133047	* HEAD ASSY. (4 VALVE) 4, 8V53		1												
2A	5134202	+ HEAD ASSY. (2 VALVE) 3-53			1		1									
2A	5134203	+ HEAD ASSY. (2 VALVE) 4-53				1		1								
	5102500	% HEAD ASSY. (4-VALVE) 3, 6V53												2		1
	5149426	HEAD ASSY. (4 VALVE TURBO) 4-53							1			1				
	5149425	HEAD ASSY. (4 VALVE TURBO) 3-53; 6V-53								2	1					
	5135663	GASKET (1.1001)	8													
	5135548	GASKET (1.1001)	8													
	5135547	SLEEVE (1.1001)	8													
	5135662	SLEEVE (1.1001)	8													
	5144425	ADAPTOR, FUSE PLUG	2	1			1	1								
	5198655	PLUG, FUSE PLUG	1	1	1	1	1	1								
2A	8924380	PLUG, 1/8" PIPE (12.9550)	4	2	2	2	2	2	2	4	2	2	2	4	4	2
2A	5125237	PLUG, 1/4" PIPE (1.2001)	17	5	5	5	4	4				4	4			
	8923847	PLUG, 1/4" (2.4015)	4	2	1	2	2	2	6	11	6	2	2	12	12	6
2A	5154453	PLUG, 3/8"-16 SL. HDLS.	8	3	3	3	3	3	3	8	4	3	3	8	8	4
2A	5151449	PLUG, 13/16" CUP (1.1001)	6	3	3	3	5	2	3	6	3	3	3	6	6	3
	5139997	PLUG, 7/8" DIA. CUP (STAINLESS)					3	5								
	452664	INSERT, 5/16"-18X5/16" STAINLESS (12.9118)	4													
		+ OBSOLETE.														
		% NOT SERVICED; FOR SERVICE USE 5149425.														
		* NOT SERVICED. USE 5198202 (16) 5131614 INSERTS AND (4) 5131615 TUBES.														
		1.2002 - GASKET KIT, CYLINDER HEAD OVERHAUL														
		CONSISTS OF ALL GASKETS NECESSARY TO REPLACE ONE CYLINDER HEAD.														
	5199811	GASKET KIT, 3,6V53	AR		AR		AR			AR	AR		AR	AR	AR	AR
	5199812	GASKET KIT, 4-53		AR		AR		AR	AR			AR				
		1.2005 - NOZZLE, CYLINDER HEAD WATER														
	5119293	NOZZLE	8	6												
		1.2010 - GASKET, CYLINDER HEAD COMPRESSION														
1B,C	5121254	GASKET	6	4	3	4	3	4	4	6	3	4	3	6	6	3
		1.2022 - GASKET, CYLINDER HEAD WATER AND OIL														
1A	5116290	RING, SEAL (END WATER HOLE)		4	4	4	4	4	4	8	4	4	4	8	8	4
1A,C	5121207	RING, SEAL (CENTER WATER HOLE)		6	4	6	4	6	6	8	4	6	4	8	8	4
1B,C	5116122	RING, SEAL (OIL HOLE)	4	2	2	2	2	2	2	4	2	2	2	4	4	2

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 84	86	92	93	122	123	131	132	147	148	150	151	152	215
		1.2022 - GASKET, CYLINDER HEAD WATER AND OIL (CONT'D)														
1A,C	**5116292**	RING, SEAL	2		1		1			2	1		1	2	2	1
1A	**5116293**	RING, SEAL		1		1		1	1			1				
		1.2030 - STUD, CYLINDER HEAD														
2A	**5121263**	BOLT, 5/8"-11X6 1/4" (12 PT. HD.)		10	8	10	8	10	10	16	8	10	8	16	16	8
	5130926	BOLT, 5/8"-11X6 1/2" (12 PT. HD.)	9													
	5135954	BOLT, 5/8"-11X7.38" (12 PT. HD.)	7													
	5137275	WASHER, .68" I.D. X 1.00" O.D. X .12"	16													
		1.2043 - COVER, CYLINDER HEAD WATER HOLE														
2A	**5136610**	COVER (PLAIN) (USE 3/8"-16X1" BOLT)		1	1	1	1	1	1	2						1
10C	**5139226**	COVER, 1/8"X3/8" PIPE TAP (1.1060)											1			
10C	**5123352**	COVER, 3/8" PIPE TAP	2								1	1			1	
10C	**5109916**	COVER, 1/2" PIPE TAP													1	
10C	**5127837**	COVER, 1/8" PIPE TAP, OFF CENTER												2		
10C	**8924380**	PLUG, 1/8" PIPE SQ. HD. (12.9550)											1		1	
10C	**5145014**	PLUG, 3/8" PIPE SQ. HD. (12.9550)	2								1	1	1		1	
10C	**5115214**	PLUG, 1/2" PIPE SQ. HD. (12.9550)													1	
	179839	BOLT, 3/8"-16X1" (12.9001)	4	2	2	2	2	2	2	4	2	2	2	4	4	2
2A	**103321**	LOCKWASHER, 3/8" (12.9200)	4	2	2	2	2	2	2	4	2	2	2	4	4	2
		1.2044 - GASKET, CYLINDER HEAD WATER HOLE COVER														
2A	**5116242**	GASKET	2	1	1	1	1	1	1	2	1	1	1	2	2	1
		1.2045 - TUBE, INJECTOR HOLE														
2A	**5199527**	TUBE KIT (INCLUDES SEAL RING IN 1.2046) (2.1290)	6	4	3	4	3	4	4	6	3	4	3	6	6	3
		1.2046 - RING, INJECTOR HOLE TUBE SEAL														
2A	**5104701**	RING (PART OF KIT IN 1.2045) (2.1300)	6	4	3	4	3	4	4	6	3	4	3	6	6	3

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1.2000 CYLINDER HEAD

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		1.2001 - HEAD ASSY., CYLINDER														
	5196033	HEAD ASSY. (2 VALVE) 2-53	1													
	5197949	% HEAD ASSY. (2 VALVE) 3-53		1												
	5198203	HEAD ASSY. (4 VALVE) 3,6V53			1											
	5198204	% HEAD ASSY. (2 VALVE) 4-53				1										
	5198202	HEAD ASSY. (4 VALVE) 4,8V53					1									
	5198438	HEAD ASSY. (4 VALVE) 3, 6V53						1								
	5198370	% HEAD ASSY. (4 VALVE) (ALUMINUM) 3, 6V53							1							
	5133047	% HEAD ASSY. (4 VALVE) 4, 8V53								1						
	5134202	% HEAD ASSY. (2 VALVE) 2-53									1					
	5134203	% HEAD ASSY. (2 VALVE) 4-53										1				
	5102500	% HEAD ASSY. (4 VALVE) 3.6V53											1			
	5149425	HEAD ASSY., 3-53, 6V53, 4-VALVE												1		
	5149426	HEAD ASSY., 4-53, 4-VALVE													1	
		THE FOLLOWING ITEMS ARE ASSEMBLED TO THE CYLINDER HEAD.														
	5139997	PLUG, 7/8" DIA. CUP			3					5	3	5	3	3	5	
	8926347	PLUG, FUSE		1	1	1	1	1	1	1	1	1	1	1	1	
	5154453	PLUG, 3/8"-16 SPECIAL	4	4	4	4	4	4	4					4	4	
	8924380	PLUG, 1/8" PIPE (12.9550)	1	2	2	2	2	2	2					2	2	
	5150041	TUBE, INJECTOR HOLE (1.2045)			3				3				3			
	5131615	TUBE, INJECTOR HOLE (1.2045)						3		4						
	8925981	KIT, INJECTOR HOLE TUBE (INCLUDES SEAL RING 5104701) TUBE IS STAMPED "606" FOR IDENTIFICATION	2	3	3	4	4		3		3	4	3	3	4	
	5104701	RING (1.2046)	2	3	3	4	4	3	3	4	3	4	3	3	4	
	8921502	INSERT, EXHAUST VALVE (1.8330)						12		16			12	12	16	
	5116196	INSERT, EXHAUST VALVE (1.8330)	4	6		8					6	8				
	8921501	INSERT, EXHAUST VALVE (1.8330)			12		16		12							
	5131961	GUIDE, EXHAUST VALVE (1.8320)			12		16	12	12	16			12	12	16	
	5129919	GUIDE, EXHAUST VALVE (1.8320)	4	6		8					6	8				
	5119293	NOZZLE, WATER (DOUBLE OUTLET) (1.2005)			4		6	4	4	6			4	4	6	
	5144425	ADAPTOR, CYL. HD. FUSE PLUG			1											
		THE FOLLOWING ITEMS ARE SHIPPED LOOSE WITH THE CYLINDER HEAD.														
	8923847	PLUG, 1/4" PIPE (4.7001)	5	6	6	6	6	6	6				6	6	6	
	5151449	PLUG, 13/16" CUP SPECIAL	3	3	3	3	3	3					3	3	3	
	5144425	ADAPTOR, CYLINDER HEAD FUSE PLUG (1.2001)								1	1	1	1	1	1	
	5116262	ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK (2.7830)	1	1	1	1	1	1					1	1	1	
	5121252	ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK (2.7830)	1	1	1	1	1	1					1	1	1	
	5111467	SEAT, EXHAUST VALVE SPRING (1.8360)			12		16	12	12				12	12	16	
		% NOT SERVICED; SHOWN FOR REFERENCE ONLY.														

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1.2000A ENGINE, LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	40	41	42	43	44	46	48	51	52	53	56
		1.2070 - BRACKET, ENGINE LIFTER-FRONT												
2B	**5129750**	BRACKET (ITEM 1)	1	1					1				1	1
2B	**5100428**	BRACKET (LIFTER & GENERATOR MTG.) (ITEM 3)			1									
2B	**5100429**	BRACKET (LIFTER & GENERATOR MTG.) (ITEM 3)				1	1							
2B	**5125488**	BRACKET (LEFT BANK) (ITEM 2)						1		1				
2B	**5127949**	BRACKET (RIGHT BANK) (ITEM 2)						1			1			
2B	**5128824**	BRACKET, RH (ITEM 23) (1.2080)										1		
2B	**5128823**	BRACKET, LH (ITEM 23) (1.2080)												
	5164294	SPACER, 1/8" THICK (7.1581)	2	2	2	2	2		2	2			2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)			3	2	3	4						
	179839	BOLT, 3/8"-16X1" (12.9001)				1								
	5101377	BOLT, 3/8"-16 X 1" (W/SEAL AND LOCKING PATCH) (5.2020)	2	2					2		2	2	2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	2	2	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)									2	2		
	103323	LOCKWASHER, 1/2" (12.9200)												
		1.2080 - BRACKET, ENGINE LIFTER-REAR												
		FOR ENGINES EQUIPPED WITH A THROTTLE CONTROL CROSS SHAFT, REFER TO 2.9305 FOR THE COMBINATION THROTTLE CONT ROL CROSS SHAFT AND REAR ENGINE LIFTER BRACKET.												
2B	**5119379**	BRACKET (ITEM 7) (1.2070)	1		1	1							1	1
2B	**5124985**	BRACKET (ITEM 17)		1			1						1	
2B	**5125227**	BRACKET (ITEM 5)							1					
2B	**5116474**	BRACKET (ITEM 5)								1				
2B	**5128068**	BRACKET (ITEM 7)									1	1		
2B	**5128091**	BRACKET (ITEM 15) (1.2070)												
	5123429	SPACER, 13/32 X 13/16 X 19/32 (2.3530)					1							2
	9409028	BOLT, 3/8"-16X1" LOCK (12.9001)	2		2	2	2							
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							AR					
	5170492	BOLT, 3/8"-24X2 29/32" LOCK (12.9001)							1 2		2	2		
	5170490	% BOLT, 3/8"-24X3 13/16" LOCK (12.9001)								2 2			2 2	
	186312	BOLT, 3/8"-24X4" (12.9001)		2			AR		AR		2	2		
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)								2			2	
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)												
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)												
	103321	LOCKWASHER, 3/8" (12.9200)												
	103322	LOCKWASHER, 7/16" (12.9200)												
	103323	LOCKWASHER, 1/2" (12.9200)		2						2				

% OBSOLETE.

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1.2000A ENGINE, LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 61	63	65	69	72	75	78	80	90	95	97	98
		1.2070 - BRACKET, ENGINE LIFTER-FRONT												
2B	**5129750**	BRACKET (ITEM 1)			1	1								
2B	**5100428**	BRACKET (LIFTER & GENERATOR MTG.) (ITEM 3)		1										
2B	**5125488**	BRACKET (LEFT BANK) (ITEM 3)											1	
2B	**5162868**	+ BRACKET (LIFTER & FUEL FILTER MTG.) (ITEM 3)	1											
2B	**5132119**	BRACKET (LIFTER & GENERATOR MTG.) (ITEM 18)					1							
2B	**5135180**	BRACKET (RIGHT BANK) (ITEM 10)							1					
2B	**5134161**	BRACKET (LEFT BANK) (ITEM 10)							1					
2B	**5133606**	BRACKET (ITEM 21)								2				
2B	**5137761**	BRACKET (ITEM 7)									1			
2B	**5133584**	+ BRACKET (ITEM 4)										1		
	5164294	SPACER, 1/8" THICK (7.1581)	2	2	2	2	2							
	179839	BOLT, 3/8"-16X1" (12.9001)	3	3			3		6	4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2	2								
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)										2		
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)									2	2		
	103341	WASHER, 3/8" (12.9190)					3							
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR	AR		AR		
	103322	LOCKWASHER, 7/16" (12.9200)								2		2		
		+ OBSOLETE.												
		1.2080 - BRACKET, ENGINE LIFTER-REAR												
		FOR ENGINES EQUIPPED WITH A THROTTLE CONTROL CROSS SHAFT, REFER TO 2.9305 FOR THE COMBINATION THROTTLE CONT ROL CROSS SHAFT AND REAR ENGINE LIFTER BRACKET.												
2B	**5119379**	BRACKET (ITEM 7) (1.2070)				1	1	2						
2B	**5116474**	BRACKET (ITEM 5)	1	1	1									
2B	**5127949**	BRACKET (ITEM 2) (1.2070)							1					1
2B	**5137761**	BRACKET (ITEM 7)								1	2	2	2	
	9409028	BOLT, 3/8"-16X1" LOCK (12.9001)				2	2	4						
	179844	BOLT, 3/8"-16 X1 5/8" (12.9001)												4
	5170492	BOLT, 3/8"-24X2 29/32" LOCK (12.9001)		3										
	5170493	+ BOLT, 3/8"-24X3 5/32" LOCK (12.9001)			3									
	5170490	+ BOLT, 3/8"-24X3 13/16" LOCK (12.9001)	1											
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)								2	4	4	4	
	103342	WASHER, 7/16" (12.9190)								2	4	4	4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR								AR	
	103322	LOCKWASHER, 7/16" (12.9200)								4	4	4	4	
		+ OBSOLETE.												

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1.2000A ENGINE, LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	103	108	111	114	116	117	120	122	123	133	138
		1.2070 - BRACKET, ENGINE LIFTER-FRONT												
		FOR TYPES 104 & 107 USE TYPE 103.												
2B	**5136176**	BRACKET (ITEM 13)	1						1					
2B	**5129750**	BRACKET (ITEM 1)		1	1						1	1		1
2B	**5137032**	BRACKET (ITEM 14)				1								
2B	**5125488**	BRACKET (ITEM 3)					1	1					1	
2B	**5127949**	BRACKET (ITEM 2)								1				
	5164294	SPACER, 1/8" THICK (7.1581)		2	2						2	2		2
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)					2						2	
	179839	BOLT, 3/8"-16X1" (12.9001)	2					2	2	4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2	3					2	2		2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	3	2	2	2	4	2	2	2	2
		1.2080 - BRACKET, ENGINE LIFTER-REAR												
		FOR ENGINES EQUIPPED WITH A THROTTLE CONTROL CROSS SHAFT, REFER TO 2.9305 FOR THE COMBINATION THROTTLE CONT ROL CROSS SHAFT AND REAR ENGINE LIFTER BRACKET.												
2B	**5136166**	BRACKET (ITEM 11)	1											
2B	**5119379**	BRACKET (ITEM 7)		1				1						
10A,B	**5137035**	BRACKET				1								
2B	**5116474**	BRACKET (ITEM 5)							1					
2B	**5107464**	+ BRACKET (ITEM 6)									1			
2B	**5139567**	BRACKET (ITEM 8)										1		
2B	**5109942**	BRACKET (ITEM 19)											1	
2B	**5125227**	BRACKET (ITEM 9)												1
	5175882	GASKET (4.4115)							2		1	2		
	5123429	SPACER, 13/32" X 13/16" X 19/32" (2.3530)												1
	186612	BOLT, 3/8"-16X3/8" (12.9001)											3	
	179838	BOLT, 3/8"-16X7/8" (12.9001)									3	4		
	9409028	BOLT, 3/8"-16X1" (12.9001)		2				2						
	5170492	BOLT, 3/8"-24X29/32" LOCK (12.9001)	3						3					
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				2								
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)									1	2	3	2
	103322	LOCKWASHER, 7/16" (12.9200)				2								

+ OBSOLETE.

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1.2000A ENGINE, LIFTER BRACKET

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 144	145	159	163	175	187	188	189	190	203	212	232
		1.2070 - BRACKET, ENGINE LIFTER-FRONT												
2B	**5137032**	BRACKET (ITEM 14)				1								
2B	**5135500**	BRACKET (ITEM 12)		1										
2B	**5144998**	BRACKET (ITEM 7)			3									
2B	**5129750**	BRACKET (ITEM 1)					1							
2B	**5100428**	* BRACKET (R.H.) (ITEM 3)						1	1		1			
2B	**5100429**	* BRACKET (L.H.) (ITEM 3)	1							1		1		
2B	**5127949**	BRACKET (R.H.) (ITEM 2)											1	1
2B	**5125488**	BRACKET (L.H.) (ITEM 3)											1	
2B	**5134161**	BRACKET (L.H.) (ITEM 1)												1
	5116242	GASKET (1.2044)		1										
2A	**5164294**	SPACER, 1/8" THICK (7.1581)	2				2	2	2	2	2			
	8927580	BOLT, 3/8"-16X1.015" (12.9001)			6								4	
	179839	BOLT, 3/8"-16X1" (12.9001)	2					2	2	2	2			4
	8927581	BOLT, 3/8"-16X1" LOCK (12.9001)					2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				3								
	5101377	BOLT, 3/8"-16X1" (W/SEAL PATCH) (5.2020)	1					1	1	1	1	3		
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		2										
	103341	WASHER, 3/8" (12.9190)									2			
	103321	LOCKWASHER, 3/8" (12.9200)	3		6	3		3	3	3	3	3	4	4
		* INCLUDES GENERATOR MOUNTING.												
		1.2080 - BRACKET, ENGINE LIFTER-REAR												
		FOR ENGINES EQUIPPED WITH A THROTTLE CONTROL CROSS SHAFT, REFER TO 2.9305 FOR THE COMBINATION THROTTLE CONT ROL CROSS SHAFT AND REAR ENGINE LIFTER BRACKET.												
2B	**5119379**	BRACKET (ITEM 7) (1.2070)		1		1	1				1			
2B	**5116474**	BRACKET (ITEM 5)	1					1						
2B	**5125488**	BRACKET (ITEM 3)			2									
2B	**5124985**	BRACKET (ITEM 17)							1	1				
2B	**5101634**	BRACKET (ITEM 6) (2.9305)										1		
2B	**5107174**	BRACKET (ITEM 16)											2	
2B	**5134161**	BRACKET (ITEM 1)												1
	5175882	GASKET (4.4115)										2		
2B	**179839**	BOLT, 3/8"-16X1" (12.9001)												2
	454813	BOLT, 3/8"-16X7/8" (12.9001)			4									
	8927581	BOLT, 3/8"-16X1" (12.9001)		2		2	2				2	3		
	5170492	BOLT, 3/8"-24X2 29/32" LOCK (12.9001)	3					3						
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)											2	
	186312	BOLT, 3/8"-24X4" (12.9001)											2	
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)							2	2				
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)							2	2				
	103321	LOCKWASHER, 3/8" (12.9200)			4									2

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 19	20	21	22	30	35	36	39	40	41	43	44
		1.3001 - CRANKSHAFT ASSY.												
		A CRANKSHAFT ASSY. INCLUDES PLUG AND DOWEL IN 1.3001. WHEN REPLACING A CRANKSHAFT ASSY. INCLUDE AN OIL PUMP DRIVE GEAR IN 4.1310 FOR A 2, 3, 4 & 6V.												
3A	**5116446**	CRANKSHAFT ASSY; 2-53	1											
3A	**5106709**	+ CRANKSHAFT ASSY. (8926897) 3-53		1								1		
3A	**5104549**	+ CRANKSHAFT ASSY. (8926898) 4-53			1									
3A	**5144616**	CRANKSHAFT ASSY; 6V-53				1				1			1	1
3A	**5144617**	CRANKSHAFT ASSY; 6V-53 (SPLINED)					1							
3A	**5199320**	* CRANKSHAFT ASSY; 3-53 (5106709)						1						
3B	**5198291**	# CRANKSHAFT ASSY; 8V-53 INCLS SLEEVE							1					
3B	**5136592**	CRANKSHAFT ASSY; 8V-53									1			
3B	**5198290**	BEARING, CRANKSHAFT FRONT SUPPORT							1					
	5177528	DOWEL							2		2			
3A	**8924380**	PLUG, 1/8" PIPE (12.9550)	2	3	4	9	3	3	5	3	5	9	3	3
3A	**141355**	PLUG, 1/4"X1/4" DRIVE							2					
		* NOT SERVICED; USE CRANKSHAFT SHOWN IN PARENTHESES AND INCLUDE A 5142713 OIL PUMP DRIVE GEAR.												
		# REQUIRES USE OF 5198289 SEAL AND 5136567 SPACER.												
		+ NOT SERVICED. USE PART NUMBER IN PARENTHESES.												
		1.3040 - SEAL, CRANKSHAFT OIL-FRONT												
3A,4B	**5116224**	SEAL	1	1	1	1	1			1		1		
	5115454	SEAL						1			1			
	5198289	SEAL,8V-53, USE WITH SLEEVE BRG IN GRP 1.3056							1					
	5138796	SEAL											1	1
	5198503	SEAL, SINGLE LIP O.S.- USE WITH 5198502 SLEEVE IN 1.3001.	1	1	1	1	1						1	1
	5148314	SEAL (W/EXCLUDER LIP)		1										
		1.3055 - SPACER, CRANKSHAFT FRONT OIL SEAL												
3B	**5136567**	SPACER (SLEEVE)							1					
	5138786	SPACER								1			1	1
	5180291	RETAINER (WASHER) (1.3290)								1			1	1
	271632	BOLT, 3/4"-16X1 3/4" (12.9001)								1			1	1
		1.3056 - SLEEVE, CRANKSHAFT FRONT OIL SEAL SPACER												
3B	**5198502**	SLEEVE,2,3,4,6V53 (USE WITH 5198503 SEAL IN GRP 1.3040)	1	1	1	1	1						1	1
	5138945	SLEEVE, 6V53 (1.3055)								1			1	1

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 19	20	21	22	30	35	36	39	40	41	43	44
		1.3060 - SEAL, CRANKSHAFT OIL-REAR												
3A,5A	**5116229**	SEAL (SINGLE LIP, STANDARD)	1	1	1	1	1	1				1	1	1
3A,5A	**5128917**	@ SEAL (DOUBLE LIP, STANDARD)		1	1	1								1
	8926902	SEAL AND SLEEVE KIT (SINGLE LIP, TEFLON, STANDARD) (6V53 R.H. ROTATING UNITS ONLY)				AR	AR			AR			AR	AR
	8924374	SEAL (SINGLE LIP, O.S., USE WITH 5196851 SLEEVE) (6V53 R.H. ROTATING UNITS ONLY, TEFLON)				AR	AR			AR			AR	AR
3A,5A	**5196852**	SEAL (SINGLE LIP, O.S., USE WITH 5196851 SLEEVE)	AR	AR	AR	AR		AR					AR	AR
3A,5A	**5114335**	SEAL, 8V-53 (SINGLE LIP, STANDARD)							1		1			
	5197860	SEAL (SINGLE LIP, O.S., USE WITH 5198908)							AR		AR			
3A,5A	**5199477**	SEAL (DOUBLE LIP, O.S., USE WITH 5196851 SLEEVE)		AR	AR	AR								AR
		@ USED ONLY ON UNITS WITH OIL IN FLYWHEEL HOUSING.												
		1.3065 - SPACER, CRANKSHAFT REAR OIL SEAL												
	5192496	* SPACER							AR		AR			
		* USED ONLY WITH SINGLE LIP OIL SEAL.												
		1.3066 - SLEEVE, CRANKSHAFT REAR OIL SEAL												
	5196851	SLEEVE (WITH O.S. OIL SEAL)	AR	AR	AR	AR	AR	AR		AR		AR	AR	AR
	5198908	SLEEVE (WITH O.S. OIL SEAL)							AR		AR			
		1.3090 - SHELL, CRANKSHAFT MAIN BEARING												
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.												
	8924357	SHELL SET (STD INLINE;)	AR	AR	AR			AR						
	8924358	SHELL SET (.002" U.S.)	AR	AR	AR			AR						
	8924359	SHELL SET (.010" U.S.)	AR	AR	AR			AR						
	8924360	SHELL SET (.020" U.S.)	AR	AR	AR			AR						
	5196663	SHELL SET (.030" U.S.)	AR	AR	AR			AR						
	5107802	SHELL SET (.010" O.S.O.D. W/STD. I.D.)	AR	AR	AR			AR						
	5107803	SHELL SET (.020" O.S.O.D. W/STD. I.D.)	AR	AR	AR			AR						
	5195927	* SHELL SET (STD 6,8V53)				AR	AR		AR		AR		AR	
	5196684	* SHELL SET (.002" U.S.)				AR	AR		AR		AR		AR	
	5196685	* SHELL SET (.010" U.S.)				AR	AR		AR		AR		AR	
	5196686	* SHELL SET (.020" U.S.)				AR	AR		AR		AR		AR	
	5196687	* SHELL SET (.030" U.S.)				AR	AR		AR		AR		AR	
	5107810	* SHELL SET (.010" O.S.O.D. W/STD. I.D.)				AR	AR		AR		AR		AR	
	5107811	* SHELL SET (.020" O.S.O.D. W/STD. I.D.)				AR	AR		AR		AR		AR	
	5198410	+ SHELL SET (STD 6,8V53-7 HOLE)									AR			AR
	5198411	+ SHELL SET (.002" U.S.)												AR
	5198412	+ SHELL SET (.010" U.S.)												AR
	5198413	+ SHELL SET (.020" U.S.)												AR
	5198414	+ SHELL SET (.030" U.S.)												AR
	5107812	+ SHELL SET (.010" O.S.O.D. W/STD. I.D.)												AR
	5107813	+ SHELL SET (.020" O.S.O.D. W/STD. I.D.)												AR
		* THRU 8D-4610.												
		+ EFF. WITH 8D-4611.												

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 19	20	21	22	30	35	36	39	40	41	43	44
		1.3100 - WASHER, CRANKSHAFT MAIN BEARING THRUST												
3A	5116197	WASHER, STD. INLINE 53	4	4	4			4				4		
3A	5196755	WASHER (.005" O.S.)	AR	AR	AR			AR				AR		
3A	5196756	WASHER (.010" O.S.)	AR	AR	AR			AR				AR		
3A	5159353	WASHER, STD 6,8V53				4	4		4	4	4		4	4
3A	5160542	WASHER (.005" O.S.)				AR	AR		AR		AR		AR	AR
3A	5192111	WASHER (.010" O.S.)				AR	AR		AR		AR		AR	AR
3A	141346	PIN, 3/16"X1/2" DOWEL (12.9290)	4	4	4	4	4	4	4	4	4	4	4	4
3A	5149149	PIN, 7/32"X1/2" DOWEL (1/32" O.S.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.3110 - CAP, CRANKSHAFT MAIN BEARING												
3A	5133620	CAP, GAMA GOAT (CAST IRON) (UNFINISHED)						AR						
3A	5116142	CAP, INLINE 53 (CAST IRON) (UNFINISHED)	AR	AR	AR							AR		
3A	5135258	CAP, V-53 (MALLEABLE IRON) (UNFINISHED)				AR	AR		AR		AR		AR	AR
3A	5132479	CAP, V-53 (CAST IRON) (UNFINISHED)				AR	AR		AR		AR		AR	AR
3A	5137937	CAP, 6V53 (CAST IRON) (AL BLOCK) (UNFINISHED)								AR				
3A	5197345	CAP, REAR MAIN, GAMA GOAT (CAST IRON) (FINISHED)						AR						
3A	5195935	CAP, REAR MAIN, INLINE 53 (CAST IRON) (FINISHED)	AR	AR	AR							AR		
3A	5195936	* CAP, REAR MAIN (CAST IRON) (FINISHED)				AR	AR							AR
3A	5199506	CAP, REAR MAIN, V-53 (MALLEABLE IRON) (FINISHED)				AR	AR		AR		AR		AR	AR
3A	5198147	CAP, REAR MAIN, V-53 (CAST IRON) (FINISHED)				AR	AR		AR	AR	AR		AR	AR
3A	5149930	CAP, INTERMEDIATE GAMA GOAT (CAST IRON) (FINISHED)						AR						
3A	5149929	CAP, INTERMEDIATE, INLINE 53 (CAST IRON) (FINISHED)	AR	AR	AR							AR		
3A	5149932	CAP, INTERMEDIATE, V-53 (MALLEABLE IRON) (FINISHED)				AR	AR		AR		AR		AR	AR
3A	5149931	CAP, INTERMEDIATE, V-53 (CAST IRON) (FINISHED)				AR	AR		AR	AR	AR		AR	AR
		* NOT SERVICED; USE 5198147 CAP AND INCLUDE 2-179837 BOLT, 2-5138619 WASHER AND 2-103321 LOCKWASHER IN 4.15 10.												
		1.3112 - STABILIZER, CRANKSHAFT MAIN BEARING CAP												
	5138768	% STABILIZER,4-53			1									
	5132695	+ STABILIZER, 6, 8V53 (FRONT ON 8V)				4	4		2		2			4
	5132695	@ STABILIZER, 6V53				2	2							2
	5133675	STABILIZER,3-53						1						
	5132902	STABILIZER,8V53 (LEFT REAR)							1		1			
	5132903	STABILIZER, 8V53 (RIGHT REAR)							1		1			
	5136179	STABILIZER, 6V53								4				1

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 19	20	21	22	30	35	36	39	40	41	43	44
		1.3112 - STABILIZER, CRANKSHAFT MAIN BEARING CAP (CONT'D)												
	5138578	% * SPACER, 4-53			2									
	5136277	SPACER,6V-53								8				1
	220427	% BOLT, 5/16"-18X2 1/4" LOCK (12.9001)			2									
	9409028	BOLT, 3/8"-16X1" (12.9001)						2						
	9414523	BOLT, 7/16"-14X1" (12.9001)				8	8	6	8		8			8
	5108435	WASHER, 3/8" (12.4010)						2						
	5125608	WASHER, 7/16"				8	8	6	8		4			4
		% THRU 4D-29138 FOR MODELS 5042-2302, 8302.												
		+ FOR 6V53 TURBO & MILITARY ENGINES.												
		@ FOR 6V-53 NON-TURBO & NON-MILITARY ENGINES.												
		* NOT SERVICED, USE 5111462 SPACER AND CHART 5111462.												
		1.3140 - BOLT, CRANKSHAFT MAIN BEARING CAP												
3A	**5116199**	BOLT,2,3,4-53	6	8	10							8		
	5138581	% BOLT,4-53			9									
	5141701	# BOLT, 9/16"-12 X 6.24"				8	8	8	10		10			8
1C	**5125945**	+ BOLT				8	8		10		10			8
	8920538	= BOLT, 9/16"-12 X 5.60"				4	4	4						4
	5135523	BOLT,6V-53											16	
	5133981	WASHER (1.1001)				8	8	8	10		10			8
	5132715	WASHER, .53 I.D. X 1" X .12								16				
	5138577	% SPACER (1.3112)			9									
	9420350	NUT, 9/16"-18 (12.9120)						8						
		% THRU 4D-29138 FOR MODELS 5042-2302, 8302.												
		+ NOT SERVICED; USE 5141701 BOLT AND 5133981 WASHER.												
		# FOR 6V53 TURBO & MILITARY ENGINES.												
		= FOR 6V53 NON-TURBO & NON-MILITARY ENGINES.												
		1.3145 - GEAR, CRANKSHAFT TIMING												
3A,7C	**5116195**	* GEAR, 2, 3, 4, 6V53 (R.H. HELIX; 97 TEETH)	1	1	1	1	1	1		1		1	1	1
3A,7C	**5132648**	GEAR, 8V53 (R.H. HELIX; 97 TEETH)							1		1			
	138253	BOLT, 3/8"X3/4" HEX. SOC. HD. (12.9027)							3		3			
	127559	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1		1		1	1
		* NOT SERVICED, SUPERSEDED BY 5107071 AND TO INSURE INTERCHANGEABILITY REPLACE ALL CORRESPONDING GEARS.												

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 47	48	59	68	70	73	79
		1.3001 - CRANKSHAFT ASSY.							
		A CRANKSHAFT ASSY. INCLUDES PLUGS IN 1.3001. WHEN REPLACING A CRANKSHAFT ASSY. INCLUDE AN OIL PUMP DRIVE GE AR IN 4.1310 FOR A 2, 3, 4 & 6V.							
3A	**5143305**	CRANKSHAFT ASSY., 4-53 (SPLINED)	1						
3B	**5136592**	CRANKSHAFT ASSY., 8V53		1					
3A	**5116448**	+ CRANKSHAFT ASSY., 4-53			1				
3A	**5104549**	CRANKSHAFT ASSY., 4-53				1	1		
3A	**5106709**	CRANKSHAFT ASSY., 3-53T						1	
3A	**5144617**	CRANKSHAFT ASSY., 6V53 (SPLINED)							1
3A	**8924380**	PLUG, 1/8" PIPE (12.9550)	4	5	4	4	4	3	
	8924749	PLUG, 1/8" PIPE (12.9550)							3
		+ NOT SERVICED; USE 5104549.							
		1.3040 - SEAL, CRANKSHAFT OIL-FRONT							
	5198503	SEAL (SINGLE LIP O.S., USE WITH 5198502 SLEEVE)	1			1	1	1	1
3A,4B	**5116224**	SEAL	1			1	1	1	1
	5115454	SEAL		1					
	5148314	SEAL (W/EXCLUDER LIP)			1				
		1.3055 - SPACER, CRANKSHAFT FRONT OIL SEAL							
3B	**5136567**	SPACER (SLEEVE)		1					
		1.3056 - SLEEVE, CRANKSHAFT FRONT OIL SEAL SPACER							
	5198502	SLEEVE (USE WITH 5198503 SEAL)	1		1	1	1	1	1
		1.3060 - SEAL, CRANKSHAFT OIL-REAR							
3A,5A	**5116229**	SEAL (SINGLE LIP, STANDARD)	1		1	1	1	1	1
3A,5A	**5128917**	* SEAL (DOUBLE LIP, STANDARD)	1		1				
	8926902	SEAL AND SLEEVE KIT (SINGLE LIP, TEFLON, STANDARD) (6V53 R.H. ROTATING *UNITS ONLY*)							AR
	8924374	SEAL (SINGLE LIP, O.S., USE WITH 5196851 SLEEVE) (6V53 R.H. ROTATING UNITS ONLY, TEFLON)							AR
3A,5A	**5196852**	SEAL (SINGLE LIP, O.S., USE WITH 5196851 SLEEVE)	AR	AR	AR	AR	AR	AR	AR
3A,5A	**5127821**	SEAL (DOUBLE LIP, STANDARD)		1					
3A,5A	**5199477**	SEAL (DOUBLE LIP, O.S., USE WITH 5196851 SLEEVE)	AR	AR	AR	AR	AR	AR	AR
		* USED ONLY ON UNITS WITH OIL IN FLYWHEEL HOUSING.							
		1.3066 - SLEEVE, CRANKSHAFT REAR OIL SEAL							
	5196851	SLEEVE (WITH O.S. OIL SEAL)	AR	AR	AR	AR	AR	AR	AR

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 47	48	59	68	70	73	79
		1.3090 - SHELL, CRANKSHAFT MAIN BEARING							
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.							
	8924357	SHELL SET (STD.INLINE)	AR		AR		AR		
	8924358	SHELL SET (.002" U.S.)	AR		AR		AR		
	8924359	SHELL SET (.010" U.S.)	AR		AR		AR		
	8924360	SHELL SET (.020" U.S.)	AR		AR		AR		
	5196663	SHELL SET (.030" U.S.)	AR		AR		AR		
	5107802	SHELL SET (.010" O.S.O.D. W/STD. I.D.)	AR		AR		AR		
	5107803	SHELL SET (.020" O.S.O.D. W/STD. I.D.)	AR		AR		AR		
3A	**5149447**	SHELL SET, STD-INLINE TURBO				AR		AR	
3A	**5149448**	SHELL SET (.002" U.S.) INLINE TURBO				AR		AR	
3A	**5149449**	SHELL SET (.010" U.S.) INLINE TURBO				AR		AR	
3A	**5149450**	SHELL SET (.020" U.S.) INLINE TURBO				AR		AR	
3A	**5149451**	SHELL SET (.030" U.S.) INLINE TURBO				AR		AR	
	8922081	SHELL SET, TURBO (.010" O.S.O.D. W/STD. I.D.)				AR		AR	
	8922084	SHELL SET, TURBO (.020" O.S.O.D. W/STD. I.D.)				AR		AR	
	5198410	SHELL SET (STD 6,8V53-7 HOLE)		AR					AR
	5198411	SHELL SET (.002" U.S.)		AR					AR
	5198412	SHELL SET (.010" U.S.)		AR					AR
	5198413	SHELL SET (.020" U.S.)		AR					AR
	5198414	SHELL SET (.030" U.S.)		AR					AR
	5107812	SHELL SET (.010" O.S.O.D. W/STD. I.D.)		AR					AR
	5107813	SHELL SET (.020" O.S.O.D. W/STD. I.D.)		AR					AR
		1.3100 - WASHER, CRANKSHAFT MAIN BEARING THRUST							
	5116197	WASHER (STD. INLINE 53)	4		4	4	4	4	
A	**5196755**	WASHER (.005" O.S.)	AR		AR	AR	AR	AR	
3A	**5196756**	WASHER (.010" O.S.)	AR		AR	AR	AR	AR	
3A	**5159353**	WASHER (STD.6,8V53)		4					4
3A	**5160542**	WASHER (.005" O.S.)		AR					AR
3A	**5192111**	WASHER (.010" O.S.)		AR					AR
3A	**141346**	PIN, 3/16"X1/2" DOWEL (12.9290)	4	4	4	4	4	4	4
3A	**5149149**	PIN, 7/32"X1/2" DOWEL (1/32"O.S.)	AR	AR	AR	AR	AR	AR	AR
		1.3110 - CAP, CRANKSHAFT MAIN BEARING							
3A	**5116142**	CAP, INLINE 53 (CAST IRON) (UNFINISHED)	AR		AR	AR	AR	AR	
3A	**5135258**	CAP, V-53 (MALLEABLE IRON) (UNFINISHED)		AR					AR
3A	**5132479**	CAP, V-53 (CAST IRON) (UNFINISHED)		AR					AR
3A	**5195935**	CAP, REAR MAIN, INLINE 53 (CAST IRON) (FINISHED)	AR		AR	AR	AR	AR	
3A	**5199506**	CAP, REAR MAIN, V-53 (MALLEABLE IRON) (FINISHED)		AR					AR
3A	**5198147**	CAP, REAR MAIN, V-53 (CAST IRON) (FINISHED)		AR					AR
3A	**5149929**	CAP, INTERMEDIATE, INLINE 53 (CAST IRON) (FINISHED)	AR		AR	AR	AR	AR	
3A	**5149932**	CAP, INTERMEDIATE, V-53 (MALLEABLE IRON) (FINISHED)		AR					AR
3A	**5149931**	CAP, INTERMEDIATE, V-53 (CAST IRON) (FINISHED)		AR					AR

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1.3000 CRANKSHAFT, OIL SEALS AND STABILIZERS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 47	48	59	68	70	73	79
		1.3112 - STABILIZER, CRANKSHAFT MAIN BEARING CAP							
	5138768	& STABILIZER,4-53	1		1				
	5132695	STABILIZER,6,8V53 (FRONT ON 8V)		2					4
	5132902	STABILIZER,8V53 (LEFT REAR)		1					
	5132903	STABILIZER,8V53 (RIGHT REAR)		1					
	5138578	& * SPACER	2						
	220427	& BOLT, 5/16"-18X2 1/4" LOCK (12.9001)	2						
	9414523	BOLT, 7/16"-14X1" (12.9001)		8					8
	5125608	WASHER, 7/16"		4					8
		& THRU 4D-29138 FOR MODELS 5042-2302, 8302.							
		* NOT SERVICED, USE 5111462 SPACER AND CHART 5111462.							
		1.3140 - BOLT, CRANKSHAFT MAIN BEARING CAP							
3A	**5116199**	BOLT,2,3,4-53			10	10	10	8	
	5141701	BOLT,6,8V53		10					8
	5133981	WASHER (1.1001)		10					8
	5138577	& SPACER (1.3112)	9						
		& THRU 4D-29138 FOR MODELS 5042-2302, 8302.							
		1.3145 - GEAR, CRANKSHAFT TIMING							
3A,7C	**5116195**	* GEAR, 2, 3, 4, 6V53 (R.H. HELIX; 97 TEETH)	1		1	1	1	1	
3A,7C	**8924986**	+ GEAR, 3-53 (R.H. HELIX; 111 TEETH; STAMPED 8924986)						1	
3A,7C	**5132648**	GEAR, 8V53 (R.H. HELIX; 97 TEETH)		1					1
3A,7C	**5107071**	GEAR, 6V53 (R.H. HELIX; 111 TEETH)							
	138253	BOLT, 3/8"X3/4" HEX. SOC. HD. (12.9027)		3					
	127559	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1
		* NOT SERVICED, SUPERSEDED BY 5107071 AND TO INSURE INTERCHANGEABILITY REPLACE ALL CORRESPONDING GEARS.							
		+ EFFECTIVE WITH 3D-193526 FOR TURBO APPLICATIONS ONLY.							

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 48	49	54	57	63	65	66	67	69	70	78	79
		1.3160 - COVER, CRANKSHAFT FRONT												
		A COVER ASSY. INCLUDES PLUGS, GASKETS, PINS AND STUDS IN 1.3160 AND ITEMS IN 1.3171, 1.3172, 4.1690 THRU 4. 1720.												
	5197918	+ COVER ASSY. 8V53												1
	5113657	PLUG (18 MM. X 1.5 MM.) (4.1710)												2
	5132754	PLUG (VALVE SEAT)												2
	5197146	PLUG (1.139" DIA. CUP, OIL PASSAGE)												1
	5115214	PLUG, 1/2 PIPE (12.9550)												5
	5177773	GASKET (18 MM.) (4.4170)												2
	5157933	PIN, 5/16" X 7/8" DOWEL (3.4140)												2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)												6
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)												4
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)												10
	179851	BOLT, 3/8"-16X3" (12.9001)												6
	8921935	BOLT, 7/16"-14X1 1/8" (12.9001)												6
	103341	WASHER, 3/8" (12.9190)												4
	103321	LOCKWASHER, 3/8" (12.9200)												26
	103322	LOCKWASHER, 7/16" (12.9200)												6
		+ NOT SERVICED. FOR COMPLETE REPLACEMENT USE 1-5198389 COVER ASSY., 1-5136592 CRANKSHAFT, 1-5115454 SEAL, 1 -5136454 SEAL, 1-5136546 SUPPORT, 1-5136567 SLEEVE, 1-5187760 SPACER, 6-8921935 BOLTS AND 6-103322 LOCKWASH ERS.												
		1.3161 - COVER, ENGINE FRONT-UPPER												
		AN UPPER COVER ASSY. INCLUDES PINS, PLUGS AND NIPPLE IN 1.3161.												
4A	**5119428**	COVER ASSY; INLINE 53	1			1					1	1		
4B	**5109807**	COVER ASSY; 8V-53											1	
4A	**5121373**	COVER ASSY; 2-53		1	1					1				
4B	**5126008**	COVER ASSY; 6V-53					1							
4B	**5128025**	COVER ASSY; 6V-53						1						
4B	**5128026**	COVER ASSY; 6V-53							1					
	5119477	NIPPLE (5.2160)					1	1						
	5150829	PLUG, 7/8" CUP (4.8001)					1	1	2				2	
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	2	2	2	2				2	2	2		
	5157933	PIN, 5/16" X 7/8" DOWEL (3.4140)					2	2	2				2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	9			9					9	9		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		12	12					12				
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				4					4	4		

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 48	49	54	57	63	65	66	67	69	70	78	79
		1.3161 - COVER, ENGINE FRONT-UPPER (CONT'D)												
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	4				11	11	11				14	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)					12	12	12				12	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											AR	
	103341	WASHER, 3/8" (12.9190)												
	103321	LOCKWASHER, 3/8" (12.9200)	13	12	12	13	23	23	23	12	13	13	23	
		1.3162 - COVER, ENGINE FRONT-LOWER												
		A LOWER COVER ASSY. INCLUDES ITEMS IN 4.1690 THRU 4.1720.												
4D	5197415	COVER ASSY.,2,3,4-53	1	1	1	1					1	1		
4D	5136274	COVER ASSY., 6V-53					1	1	1					
4D	5108734	* COVER ASSY., 2-53								1			1	
4D	5109946	COVER ASSY., 6V-53												
	5174085	SPACER, 15/32" I.D. X 3/8" L. (2.7960)			6						4			
	5157412	SPACER, 13/32" I.D. X 1/4" L. (7.4013)												
	8924380	PLUG, 1/8" PIPE (12.9550)	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	
	5115214	PLUG, 1/2" PIPE (12.9550)											2	
	8923916	PLUG, 1/2" PIPE (12.9550)	7	7	7	7					7	7		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					4	4	4					
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)		5										
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)					5	5	4				4	
	179851	BOLT, 3/8"-16X3" (12.9001)		6										
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	11		11	11				11	7	7		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			4		2	2	2		4		4	
	455537	BOLT, 3/8"-16X4" (12.9001)					2	2	2				2	
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)											4	
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)			2									
	103341	WASHER, 3/8" (12.9190)											AR	
	103321	LOCKWASHER, 3/8" (12.9200)	11	9	11	11	12	12	12	11	11	11	12	
		* OBSOLETE.												
		1.3170 - GASKET, CRANKSHAFT FRONT COVER												
4A	5121082	GASKET, UPPER 2,3,4-53	1	1	1	1				1	1	1		
4B	5124055	GASKET, UPPER,8V-53					1	1	1				1	
4D	5116386	GASKET, LOWER 2,3,4-53	1	1	1	1				1	1	1		
4D	5119368	GASKET, LOWER,6V-53					1	1	1				1	
	5132916	GASKET (OUTLINE)												1
	5132915	GASKET (CENTER)												1
		1.3171 - PLATE, CRANKSHAFT FRONT COVER												
	5197658	@ COVER											1	1
	179816	@ BOLT, 5/16"-18X3/4" (12.9001)											3	3
	446202	@ WASHER, 5/16" COPPER (12.9190)											3	3
		@ REQUIRED WITH FRONT COVER 5142043.												

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 48	49	54	57	63	65	66	67	69	70	78	79
	1.3172	**- GASKET, CRANKSHAFT FRONT COVER PLATE**												
	5109496	* GASKET (7.8040)											1	1
		* REQUIRED WITH FRONT COVER 5142043.												

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 80	82	85	86	89	90	92	93	95	104	110
		1.3160 - COVER, CRANKSHAFT FRONT											
		A COVER ASSY. INCLUDES PLUGS, GASKETS, PINS AND STUDS IN 1.3160 AND ITEMS IN 1.3171, 1.3172, 4.1690 THRU 4. 1720.											
	5197918	+ COVER ASSY., 8V53	1										
	5198389	COVER ASSY., 8V53				1	1	1					1
	5142043	# COVER ASSY., 8V53											
	5113657	PLUG, 18 MM. X 1.5 MM (4.1710)	2			2	2	2					
	5132754	PLUG, .627" DRIVE (VALVE SEAT)	2			2	2	2					1
	5197146	PLUG (1.139" DIA. CUP, OIL PASSAGE)	1			1	1	1					3
	5115214	PLUG, 1/2" PIPE (12.9550)	5			5	5	5					
	5177773	GASKET (18 MM.) (4.4170)	2			2	2	2					2
	5157933	PIN, 5/16" X 7/8" DOWEL (3.4140)	2			2	2	2					6
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	6			6	6	6					4
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	4			4	4	4					10
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	10			10	10	10					6
	179851	BOLT, 3/8"-16X3" (12.9001)	6			6	6	6					
	8921935	BOLT, 7/16"-14X1 1/8" (12.9001)	6										4
	103341	WASHER, 3/8" (12.9190)	4			4	4	4					
	106263	WASHER, 7/16" (12.9190)					2						
	103321	LOCKWASHER, 3/8" (12.9200)	26			26	26	26					
	103322	LOCKWASHER, 7/16" (12.9200)	6										
		+ NOT SERVICED. FOR COMPLETE REPLACEMENT USE 1-5198389 COVER ASSY., 1-5136592 CRANKSHAFT, 1-5115454 SEAL, 1 -5136454 SEAL, 1-5136546 SUPPORT, 1-5136567 SLEEVE, 1-5187760 SPACER, 6-8921935 BOLTS AND 6-103322 LOCKWASH ERS.											
		# DOES NOT INCLUDE ITEMS IN 1.3171, 1.3172.											
		1.3161 - COVER, *ENGINE FRONT-UPPER*											
		AN UPPER COVER ASSY. INCLUDES PINS, PLUGS AND NIPPLE IN 1.3161.											
4A	5119428	COVER ASSY., 2,3,4-53									1		
4A	5133674	COVER ASSY., 3,4-53		1					1	1		1	
	5136143	COVER ASSY., 6V53			1								
	5150362	STUD, 1 11/16"L.		1									
	5150021	STUD, 3 1/8"L.		1									1
	5119477	NIPPLE (5.2160)											3
	5150829	PLUG, 7/8" CUP (4.8001)											

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 80	82	85	86	89	90	92	93	95	104	110
		1.3161 - COVER, ENGINE FRONT-UPPER (CONT'D)											
	456378	PIN, 1/4"X2" SPRING (12.9270)		1					1	1			
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)		2					2	2	2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		9					9	9	9		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)							4	4	4		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			1								
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)			3							3	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		4									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			1							1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			11							11	
	103341	WASHER, 3/8" (12.9190)			AR							AR	
	103321	LOCKWASHER, 3/8" (12.9200)			22				13	13	13	13	
		1.3162 - COVER, ENGINE FRONT-LOWER											
		A LOWER COVER ASSY. INCLUDES ITEMS IN 4.1690 THRU 4.1720.											
4D	5197415	COVER ASSY., 2,3,4-53				1			1		1		
4D	5137106	COVER ASSY., 3-53								1			
4D	5138830	COVER ASSY., 6V53			1								
	5136879	* COVER ASSY., 6V53										1	
	8924380	PLUG, 1/8" PIPE (12.9550)			AR				AR	AR			
	5115214	PLUG, 1/2" PIPE (12.9550)			2								
	8923916	PLUG, 1/2" PIPE (12.9550)				7			7	7	7		
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)									5		
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			4					2		2	
	179851	BOLT, 3/8"-16X3" (12.9001)									6		
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)							11	9			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			4								
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)			4							8	
	103341	WASHER, 3/8" (12.9190)			AR							AR	
	103321	LOCKWASHER, 3/8" (12.9200)			10				11	11		10	
		* OBSOLETE											
		1.3163 - CRANKSHAFT, FRONT SUPPORT SEAL RING											
	5136454	RING, SEAL				1	1	1					1
		1.3164 - CRANKSHAFT, FRONT SUPPORT ASSY.											
		INCLUDES BEARING IN 1.3165.											
3B	5136376	+ SUPPORT ASSY., 8V53 TRUNNION MOUNT						1					
3B	5136377	SUPPORT ASSY., 8V53 STATIONARY MOUNT					1						1
3B	5136546	SUPPORT ASSY., 8V53 TRUNNION MOUNT				1							
3B	8921935	BOLT, 7/16"-14X1 1/8" (12.9001)				6	6	6					6

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 80	82	85	86	89	90	92	93	95	104	110
		1.3164 - CRANKSHAFT, FRONT SUPPORT ASSY. (CONT'D)											
	5131913	WASHER, 13/16" (3.4001)						6					6
	103322	LOCKWASHER, 7/16" (12.9200)				6	6						
		+ OBSOLETE.											
		1.3165 - CRANKSHAFT, FRONT SUPPORT BEARING											
3B	**5136097**	BEARING, 6V53			1								
3B	**5137479**	BEARING, 8V53				1	1	1					1
		1.3170 - GASKET, CRANKSHAFT FRONT COVER											
4A	**5121082**	GASKET, 2,3,4-53 (UPPER)		1					1	1	1		
4B	**5124055**	GASKET, 6V53 (UPPER)			1						1		
4D	**5116386**	GASKET, 2,3,4-53 (LOWER)							1	1	1		
4D	**5119368**	GASKET, 6V53 (LOWER)			1						1		
	5132916	GASKET, 8V53 (OUTLINE)	1			1	1	1					1
	5132915	GASKET, 8V53 (CENTER)	1			1	1	1					1
		1.3171 - PLATE, CRANKSHAFT FRONT COVER											
	5197658	@ COVER	1			1	1	1				1	1
	179816	@ BOLT, 5/16"-18X3/4" (12.9001)	3			3	3	3				3	3
	446202	@ WASHER, 5/16" COPPER (12.9190)	3			3	3	3				3	3
		@ REQUIRED WITH FRONT COVER 5142043.											
		1.3172 - GASKET, CRANKSHAFT FRONT COVER PLATE											
	5109496	@ GASKET (7.8040)	1			1	1	1				1	1
		@ REQUIRED WITH FRONT COVER 5142043.											

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 118	119	120	123	125	126	128	135	138
		1.3161 - COVER, ENGINE FRONT-UPPER									
		AN UPPER COVER ASSY. INCLUDES PINS AND PLUGS IN 1.3161.									
4B	5109807	COVER ASSY., 6V53	1					1			1
	5101347	COVER ASSY., 3,4-53		1	1	1	1				
	5119428	COVER ASSY., 3,4-53							1	1	
	5101391	PLUG	1								
	5150829	PLUG, 7/8" CUP (4.8001)	2					2			2
	5157933	PIN, 5/16"X7/8" DOWEL (3.4140)	2					2			2
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)		2	2	2	2		2	2	
	180078	BOLT, 5/16"-18X7/8" (12.9001)	3								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		9	9	9	9		9	9	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				4	4		4		
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		4	4	11		11		4	11
	179848	BOLT, 3/8"-15 X 2 1/4" (12.9001)	12								12
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						11			
	103341	WASHER, 3/8" (12.9190)	23	13	13	13	13	23			23
	5155596	WASHER, 5/16" (4.7120)	3								
	103321	LOCKWASHER, 3/8" (12.9200)	23	13	13	13	13	23	13	13	23
		1.3162 - COVER, ENGINE FRONT-LOWER									
		A LOWER COVER ASSY. INCLUDES ITEMS IN 4.1690 THRU 4.1720.									
4D	5109946	COVER ASSY., 6V53	1								
4D	5197415	COVER ASSY., 3,4-53		1	1		1		1		
	5138830	COVER ASSY.						1			1
	5103834	COVER ASSY.				1					
	5119426	FLANGE (5.2120)						1			1
	5126473	GASKET (4.1520)						1			1
	138222	SCREW, 5/16"-18X1" (12.9027)						2			2
	8924380	PLUG, 1/8 PIPE (12.9550)		1	1	1	1		1		
	5145014	PLUG, 3/8" PIPE (12.9550)			1			1	1		1
	5146648	PLUG, 1/2" PIPE	4					4			4
	8923916	PLUG, 1/2" PIPE (12.9550)		7	7	7	7		7		
	5139988	PLUG, 1" CUP (1.1001)						1			1
	5173334	PLUG, 1/2" PIPE (12.9550)	2								
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	4					4			4
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		11	11	11	11		11		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4					4			4
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)	4					4			4
	103341	WASHER, 3/8" (12.9190)	12					12			12
	103320	LOCKWASHER, 5/16" (12.9200)						2			2

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1.3000A CRANKSHAFT FRONT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 118	119	120	123	125	126	128	135	138
		1.3162 - COVER, ENGINE FRONT-LOWER (CONT'D)									
	103321	LOCKWASHER, 3/8" (12.9200)	12	11	11	11	11	12	11		12
		1.3170 - GASKET, CRANKSHAFT FRONT COVER									
	5124055	GASKET, 6V53 (UPPER)	1					1			1
	5121082	GASKET, 3,4-53 (UPPER)		1	1	1	1		1	1	
	5119368	GASKET, 6V53 (LOWER)	1					1			1
	5116386	GASKET, 3,4-53 (LOWER)		1	1	1	1		1		
		1.3171 - PLATE, CRANKSHAFT FRONT COVER									
	5109517	SEAL RING, AIR HEATER BODY (7.8040)	1					1			1
	5101391	PLUG, AIRHEATER HOLE (1.3161)	1					1			1
	180078	BOLT, 5/16"-18X7/8" (12.9001)	3					3			3
	5155596	WASHER, 5/16" (4.7120)	3					3			3
		1.3172 - GASKET, CRANKSHAFT FRONT COVER PLATE									
	5109496	GASKET (7.8040)	1					1			1

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1.3000B VIBRATION DAMPER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6 6
		1.3210 - DAMPER, VIBRATION	
	5107297	+ DAMPER (HEAVY, VISCOUS)	1
	181394	BOLT, 7/16"-20X7/8" (12.9001)	6
	103322	LOCKWASHER, 7/16" (12.9200)	6
		+ NOT SERVICED, USE 8922491.	
		1.3230 - HUB ASSY., VIBRATION DAMPER	
	5179243	HUB ASSY. (INCLUDES DOWELS)	1
	5156295	DOWEL	2
		1.3240 - CONE, VIBRATION DAMPER FRONT	
	5134917	CONE	1
		1.3250 - CONE, VIBRATION DAMPER REAR	
	5132653	* CONE (1.3240)	1
		* NOT SERVICED, USE (1) ONE EACH OF 5100232 BUSHING AND 5133608 SPACER.	

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17	111	112	117	122	124	126	127	130	131	132	133
		1.3280 - PULLEY, CRANKSHAFT												
	NPN	PULLEY (CUSTOMER FURNISHED)					1							
4F	5169905	PULLEY (9" DIA, 2 GROOVES) (ITEM 3)	1											
3A	5116484	PULLEY (5.38" DIA., 2 GROOVES)		1										
4F	5121196	* PULLEY (5" DIA., 1 GROOVE) (ITEM 1)			1									
4F	5123551	+ PULLEY (5.38" DIA., 2 GROOVES) (ITEM 2)				1								
4F	5124180	* PULLEY (5.16" DIA., 1 GROOVE) (ITEM 1)						1						
4F	5125112	# PULLEY (5.38" DIA., 2 GROOVES, 7.50" DIA., 1 GROOVE) (ITEM 13)							1					
4F	5127065	& PULLEY (5.38" DIA., 2 GROOVES) (ITEM 9) (SD-68)								1				
4F	5126500	PULLEY (6.14" DIA., 2 GROOVES) (ITEM 12)									1			
3A	5119326	PULLEY (5.38" DIA., 2 GROOVES)										1		
4F	5125247	PULLEY (5" DIA., 1 GROOVE) (ITEM 1)											1	
4F	5126687	PULLEY (5.38" DIA., 2 GROOVES) (ITEM 12)												1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	6											
	103321	LOCKWASHER, 3/8" (12.9200)	6											
		* NOT SERVICED CONVERT TO TYPE 132.												
		+ OBSOLETE.												
		# NOT SERVICED CONVERT TO TYPE 185.												
		& NOT SERVICED USE 5128078.												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
3A	5180291	RETAINER (WASHER)		1	1	1	1		1	1	1	1	1	1
3A	5124182	RETAINER						1						
	8922884	DECAL (CR/SHF TORQUE SPEC.)	1	1	1	1	1	1	1	1	1	1	1	1
3A	5180629	% BOLT, 3/8"-16X1 3/4"L.		1	1	1	1	1	1	1	1	1	1	1
3A	271632	BOLT, 3/4"-16X1 3/4" (12.9001)		1	1	1	1	1	1	1	1	1	1	1
		% OPTIONAL HAS COUNTERBORE FOR HAND TACHOMETER.												
		1.3295 - CONE, CRANKSHAFT PULLEY												
	5119189	CONE			2		2	1	2			2		2

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 137	138	140	141	143	156	158	169	171	174	177	178
		1.3280 - PULLEY, CRANKSHAFT												
4F	5127065	@ PULLEY (5.38" DIA., 2 GROOVES) (ITEM 11) (SD-68)	1											
3A	5127596	+ PULLEY (5.38" DIA., 2 GROOVES)		1										
4F	5128078	PULLEY (5.38" DIA., 3 GROOVES) (ITEM 16)			1									
4F	5127043	PULLEY (6.72" DIA., 2 GROOVES) (ITEM 10)				1						1		
4F	5127023	PULLEY ASSY. (5 1/2" DIA., 2 GROOVES, 8" DIA., 4 GROOVES)(INCLUDES INSULATOR)					1							
4F	5100008	PULLEY (5.50" DIA., 2 GROOVES) (ITEM 6)						1						
3A	5108363	+ PULLEY (5.38" DIA., 2 GROOVES)							1					
4F	5109347	+ PULLEY (5.38" DIA., 2 GROOVES) (ITEM 7)								1				
4F	5109638	PULLEY (5.38" DIA., 2 GROOVES) (ITEM 11)									1			
3A	5139346	PULLEY (7 1/2" DIA., 3 GROOVES)											1	
4F	5170453	PULLEY (5.38" DIA., 2 GROOVES) (ITEM 7)												1
4F	5172771	INSULATOR ASSY. (ITEM 23)					1							
	5109943	SPACER (1.3290)										1		
	5131724	KEY, 3/8" X 1" WOODRUFF											2	
		@ NOT SERVICED USE 5128078.												
		+ OBSOLETE.												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
3A	5180291	RETAINER (WASHER)	1	1	1	1	1	1	1	1	1	1		1
3A	5157930	RETAINER (WASHER)											1	
3A	5180629	* BOLT, 3/8"-16X1 3/4"L.	1	1	1	1	1	1	1		1			1
	8922884	DECAL (CR/SHF TORQUE SPEC.)	1	1	1	1	1	1	1	1	1	1	1	1
3A	271632	BOLT, 3/4"-16X1 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
3A	223752	BOLT, 3/4"-16X2" (12.9001)									1	1		
3A	5153623	BOLT, 1"-14X2 1/4" (12.9001)											1	
		* OPTIONAL HAS COUNTERBORE FOR HAND TACHOMETER.												
		1.3295 - CONE, CRANKSHAFT PULLEY												
	5119189	CONE					2		2	2				2

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	184	185	189	192	202	203	207	210	215	223	229
		1.3280 - PULLEY, CRANKSHAFT												
		A PULLEY ASSY. INCLUDES INSULATOR IN 1.3311.												
	NPN	PULLEY (CUSTOMER FURNISHED)		1										
4F	5170484	PULLEY (5.38" DIA., 4 GROOVES) (ITEM 18)	1											
4F	5129995	PULLEY (5.38" DIA., 2 GROOVES, 7.50" DIA., 1 GROOVE) (ITEM 13)			1									
4F	5170452	PULLEY (5.38" DIA., 2 GROOVES) (ITEM 7)				1								
4F	5128152	+ PULLEY (9" DIA., 4 GROOVES) (ITEM 17)					1							
4F	5131385	PULLEY (5.38" DIA., 2 GROOVES) (ITEM 7)						1						
3A	5135994	PULLEY (7.5" DIA., 2 GROOVES)							1					
4F	5170454	PULLEY (6.25" DIA., 2 GROOVES) (ITEM 4)								1				
4F	5131935	# PULLEY (5.38" DIA., 2 GROOVES) (ITEM 8)									1			
4F	5131326	& PULLEY (5.38" DIA., 2 GROOVES) (ITEM 12) (SD-44)										1		
3A	5147168	PULLEY ASSY. (7.5" DIA., 3 GROOVES)											1	
3A	5134386	+ PULLEY (7.5" DIA., 3 GROOVES)												1
	5170514	FLANGE (SPLINED BORE)		1										
	5131724	KEY, 3/8" X 1" WOODRUFF (12.9350)							2				2	2
		# NOT SERVICED USE 5146323 PLUS (2) 5119189 CONES.												
		& NOT SERVICED USE 5119326.												
		+ *OBSOLETE.*												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
3A	5180291	RETAINER (WASHER)	1		1	1	1	1		1	1	1		
3A	5170513	RETAINER (WASHER)		2										
3A	5157930	RETAINER (WASHER)							1				1	1
	5133608	SPACER											1	
	8922884	DECAL (CR/SHF TORQUE SPEC.)	1	1	1	1	1	1	1	1	1	1	1	1
3A	271632	BOLT, 3/4"-16X1 3/4" (12.9001)	1		1	1		1			1	1		
3A	223752	BOLT, 3/4"-16X2" (12.9001)					1			1				
3A	223761	BOLT, 3/4"-16X4 1/4" (12.9001)		1										
3A	5153623	BOLT, 1"-14X2 1/4" (12.9001)							1				1	1
		1.3295 - CONE, CRANKSHAFT PULLEY												
	5119189	*CONE*				2		2				2		

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 231	232	234	236	239	240	243	249	256	257	258	259
		1.3280 - PULLEY, CRANKSHAFT												
		A PULLEY ASSY. INCLUDES INSULATOR IN 1.3311.												
	NPN	PULLEY (CUSTOMER FURNISHED)										1		
4F	5133939	% PULLEY (5.38" DIA., 2 GROOVES) (ITEM 7)	1											
3A	5131109	* PULLEY (6.25" DIA., 2 GROOVES)		1										
4F	5136421	PULLEY (7.5" DIA., 2 GROOVES, 9" DIA., 2 GROOVES) (ITEM 20)			1		1				1			1
4F	5134223	PULLEY (8 DIA., 2 GROOVES) (ITEM 5)				1								
3A	5147168	PULLEY ASSY. (7.5" DIA., 3 GROOVES)						1						
3A	5132656	PULLEY (7.5" DIA., 3 GROOVES)							1					
	5135992	PULLEY ASSY. (7.5" DIA., 5 GROOVES)								1				
	5136438	PULLEY ASSY. (7.5" DIA., 2 GROOVES)											1	
	5131724	KEY, 3/8" X 1" WOODRUFF			2		2	2	2	2	2		2	2
		* OBSOLETE.												
		% NOT SERVICED. USE 5170452 AND SD-290.												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
3A	5180291	RETAINER (WASHER)	1	1		1						1		
3A	5157930	RETAINER (WASHER)			1		1	1	1	1	1		1	1
	5133608	SPACER			1				1	1				
	5135037	SPACER							1					
3B	5109215	SPACER (1.3055)											1	
3B	5129109	SPACER (1.3280)											1	
3B	5187760	SPACER (1.3275)												1
	8922884	DECAL (CR. SHF. TORQUE SPEC.)	1	1	1	1	1	1	1	1	1	1	1	1
3A	271632	BOLT, 3/4"-16X1 3/4" (12.9001)	1			1						1		
3A	223752	BOLT, 3/4"-16X2" (12.9001)		1										
3A	5153623	BOLT, 1"-14X2 1/4" (12.9001)			1		1	1		1	1		1	1
3A	5120016	BOLT, 1"-14 X 3 1/2"							1					
		1.3295 - CONE, CRANKSHAFT PULLEY												
	5119189	CONE	2	2										
		1.3310 - HUB, CRANKSHAFT PULLEY												
	5131107	HUB		1										
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB												
4F	5172771	INSULATOR (1.3280) (ITEM 23)						1		1				
4F	5145047	INSULATOR (1.3280) (ITEM 23)											1	

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	261	273	275	276	278	280	283	290	291	312	313
		1.3280 - PULLEY, CRANKSHAFT												
		A PULLEY ASSY. INCLUDES INSULATOR IN 1.3311.												
	NPN	PULLEY (CUSTOMER FURNISHED)				1								
	5136438	PULLEY ASSY. (7.50" DIA., 2 GROOVES)	1											
	5147168	PULLEY ASSY. (7.50" DIA., 3 GROOVES)		1										
	5135992	PULLEY ASSY. (7.50" DIA., 5 GROOVES)			1									
4F	5137477	PULLEY ASSY. (5.38" DIA., 2 GROOVES) (ITEM 7)					1							
4F	5138171	PULLEY ASSY. (5.38" DIA., 2 GROOVES) (ITEM 12)						1						
	5139346	PULLEY (7.50" DIA., 3 GROOVES)							1	1			1	
4F	5138715	+ PULLEY ASSY. (5.38" DIA., 2 GROOVES) (ITEM 12)									1			
4F	5139663	PULLEY ASSY. (6.88" DIA., 12 POLY-VEE GROOVES) (ITEM 22)										1		1
	5143288	* PULLEY ASSY. (7.50" DIA., 5 GROOVES)				1								
	5136388	* FLANGE (2.88" B.C.)												
	5131724	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)	2	2	2				2	2			2	
		* OBSOLETE.												
		+ NOT SERVICED, USE 5126687 PULLEY, 5103073 SPACER AND 4-179816 BOLTS.												
		1.3290 - RETAINER, CRANKSHAFT PULLEY												
3A	5157930	RETAINER (WASHER)	1	1	1				1	1			1	
3A	5180291	RETAINER (WASHER)				1	1	1			1	1		1
3B	5187760	SPACER (1.3275)		1	1					1				
3A	271632	BOLT, 3/4"-16X1 3/4" (12.9001)				1	1				1			
	5180629	BOLT, 3/4"-16X1 3/4" (12.9001)												1
3A	223753	BOLT, 3/4"-16X2 1/4" (12.9001)										1		
3A	5153623	BOLT, 1"-14X2 1/4" (12.9001)	1	1	1				1				1	
	5160266	BOLT, 1"-14X2 3/4" (12.9001)								1				
		1.3295 - CONE, CRANKSHAFT PULLEY												
	5119189	CONE				2	2	2			2			
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB												
4F	5145047	INSULATOR (ITEM 23) (1.3280)	1						1	1				1
4F	5172771	INSULATOR (ITEM 23) (1.3280)		1										

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1.3000C CRANKSHAFT PULLEY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 316	317	321	322	336	369	379	380	381	407
		1.3280 - PULLEY, CRANKSHAFT										
		A PULLEY ASSY. INCLUDES INSULATOR IN 1.3311.										
	NPN	PULLEY (CUSTOMER FURNISHED)		1	1							
4F	5142222	PULLEY (5.38" DIA., 2 GROOVES) (SPLINED) (ITEM 7)	1									
4F	5143901	PULLEY (5.38" DIA., 2 GROOVES; 7.75" DIA., 1 GROOVE) (ITEM 15)				1						
4F	5144806	PULLEY (7.75" DIA., 1 GROOVE; 5.38" DIA., 2 GROOVES) (ITEM 14)					1					
	5106817	PULLEY (7.86" DIA., 4 GROOVES)						1				
4F	8926787	PULLEY, DAMPER (5.50" DIA., 2 GROOVES) (ITEM 8)							1			
4F	8926388	PULLEY (5.38" DIA., 4 GROOVES) (ITEM 11)								1		
		1.3290 - RETAINER, CRANKSHAFT PULLEY										
3A	5180291	RETAINER (WASHER)				1	1	1	1	1		1
	5170513	RETAINER (FLANGE)	2									
	5130480	SPACER		1								
	5138786	SPACER (1.3055)										1
	9409231	*BOLT, 3/8"—16 X 1-1/2" (12.9001)*						10				
	9430221	BOLT, 3/8"—24 X 4-3/4" (1.2080)						2				
	9412018	BOLT, 1/2"—20 X 2-1/4" (1.4001)						4				
3A	271632	BOLT, 3/4"-16X1 3/4" (12.9001)					1		1			
	223752	BOLT, 3/4"-16X2" (12.9001)						1		1		1
3A	223753	BOLT, 3/4"-16X2 1/4" (12.9001)				1						
	223761	BOLT, 3/4"-16X4 1/4" (12.9001)	1									
	5130479	BOLT, 1"-14 X 1.840"		1								
	23014462	KIT, 6 PCS. 3/8"-24 HEX. CONE LOCKNUT (9.4002)						2				
		1.3295 - CONE, CRANKSHAFT PULLEY										
	5119189	CONE					2	2			2	2
		1.3310 - HUB, CRANKSHAFT PULLEY										
	5131107	HUB			1							
	23500432	HUB, FLANGED										1
		1.3311 - INSULATOR ASSY., CRANKSHAFT PULLEY HUB										
	5172771	INSULATOR (ITEM 23) (1.3280)			1							

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	91	92	95	101	102	110	111	112	113	114	115
10A	**5139026**	BELT SET (2 BELTS) (42.00"L., .500"W.)	1											
10A	**5137300**	BELT SET (2 BELTS) (39.00"L., .500"W.)		1										
10A	**5126763**	BELT SET (2 BELTS) (40.00"L., .500"W.)			1									
10C	**9433645**	BELT (47.50"L., .380"W.)				1								
10A	**5132591**	BELT SET (2 BELTS) (46.00"L., .380"W.) (7.1575)					1							
10C	**9433624**	BELT (37.00"L., .380"W.)						1						
10A	**5126447**	BELT SET (2 BELTS) (35.00"L., .500"W.)							1					
10A	**5136272**	BELT SET (2 BELTS) (52.00"L., .500"W.)								1				
10A	**5126764**	BELT SET (2 BELTS) (44.80"L., .500"W.)									1			1
10A	**5134212**	BELT SET (2 BELTS) (48.00"L., .500"W.)										1		
10A	**5126761**	BELT SET (2 BELTS) (43.76"L., .500"W.)											1	

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 116	117	118	121	122	123	126	127	132	134	137	139
10A	**5126768**	BELT SET (2 BELTS) (50.50"L., .500"W.)	1											
10A	**5172384**	BELT SET (2 BELTS) (47.00"L., .500"W.)		1	1				1					
10A	**5126763**	BELT SET (2 BELTS) (40.00"L., .500"W.)				1								
10A	**5126760**	BELT SET (2 BELTS) (41.50"L., .500"W.)					1							
10A	**5126764**	BELT SET (2 BELTS) (44.80"L., .500"W.)						1						
10A	**5137637**	BELT SET (2 BELTS) (53.00"L., .500"W.)								1				
10A	**5128581**	BELT SET (2 BELTS) (54.76"L., .500"W.)									1			
10C	**5133517**	BELT (39.00" L.) (7.1575)										1		
10A	**5126771**	BELT SET (2 BELTS) (49.00"L., .500"W.)											1	
10A	**5135655**	BELT SET (2 BELTS) (58.00"L., .500"W.)												1

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 140	141	142	143	144	145	146	147	151	154	155	156
10A	**5126758**	BELT SET (2 BELTS) (33.00"L., .500"W.)	1											
10A	**5140927**	BELT SET (2 BELTS) (28.00"L., .500"W.)		1										
10A	**5128580**	BELT SET (2 BELTS) (51.24"L., .500"W.)			1									
10A	**5128585**	BELT SET (2 BELTS) (61.44"L., .500"W.)				1								
10A	**5141154**	BELT SET (2 BELTS) (50.00"L., .500"W.)					1							
10A	**5126759**	BELT SET (2 BELTS) (36.50"L., .500"W.)						1						
10A	**5139212**	BELT SET (2 BELTS) (59.00"L., .500"W.)							1					
10A	**5135883**	BELT SET (2 BELTS) (62.50"L., .500"W.)								1				
10A	**5125514**	BELT SET (2 BELTS) (44.18"L., .380"W.) (5.1215)									1			
10A	**5100367**	BELT SET (2 BELTS) (40.00"L., .500"W.) (M.S.)										1		
10A	**5136270**	BELT SET (2 BELTS) (56.00"L., .500"W.)											1	
10A	**5135655**	BELT SET (2 BELTS) (57.50"L., .500"W.)												1

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 159	160	161	164	169	171	176	177	178	179	180	183	185
	3813277	* BELT SET (2 BELTS)	1												
10A	**5136269**	BELT SET (2 BELTS) (60.00"L., .500"W.)		1											
10A	**5172384**	BELT SET (2 BELTS) (47.00"L., .500"W.)			1										
10A	**5136271**	BELT SET (2 BELTS) (54.00"L., .500"W.)				1									
10A	**5135882**	BELT SET (2 BELTS) (57.00"L., .500"W.) (7.1575)					1								
10A	**5130933**	BELT SET (2 BELTS) (54.00"L., .500"W.) (M.S.)						1							
10A	**5131395**	BELT SET (2 BELTS) (41.00"L., .500"W.)							1						
10A	**5126771**	BELT SET (2 BELTS) (49.00"L., .500"W.)								1					
10A	**5136264**	BELT SET (2 BELTS) (70.00"L., .500"W.)									1				
10A	**5135884**	BELT SET (2 BELTS) (44.00"L., .500"W.)										1			
10A	**5136268**	BELT SET (2 BELTS) (61.00"L., .500"W.)											1		
10A	**5146723**	BELT SET (2 BELTS) (45.00"L., .500"W.)												1	
10A	**5136273**	BELT SET (2 BELTS) (51.00"L., .500"W.)													1

* PROCURE FROM GMPD.

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	188	189	190	191	192	193	194	195	196	197	198
10A	**5134212**	BELT SET (2 BELTS) (48.00"L., .500"W.)	1											
10A	**5130524**	BELT SET (2 BELTS) (40.50"L., .500"W.)		1										
10A	**5131363**	BELT SET (2 BELTS) (55.25"L., .500"W.)			1									
10A	**5130529**	BELT SET (2 BELTS) (45.50"L., .500"W.)				1								
10A	**5139026**	BELT SET (2 BELTS) (42.00"L., .500"W.)					1							
10A	**5136267**	BELT SET (2 BELTS) (64.00"L., .500"W.)						1						
10A	**5132386**	BELT SET (2 BELTS) (30.00"L., .500"W.)							1					
10A	**5173880**	BELT SET (2 BELTS) (32.00"L., .500"W.)								1				
10A	**5130528**	BELT SET (2 BELTS) (45.14"L., .500"W.)									1			
10A	**5130526**	BELT SET (2 BELTS) (43.00"L., .500"W.)										1		
10A	**5136265**	BELT SET (2 BELTS) (69.00"L., .500"W.)											1	
10A	**5133198**	BELT SET (2 BELTS) (29.00"L., .500"W.)												1

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1.3000D CRANKSHAFT PULLEY BELT

1.3320 - BELT, CRANKSHAFT PULLEY DRIVE

SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 199	200	201	202	220	224	225	227	229	237	240	242	244	245
10A	**5133319**	BELT SET (2 BELTS) (48.00"L., .500"W.) (M.S.)	1													
10A	**5130523**	BELT SET (2 BELTS) (39.38"L., .500"W.)		1												
10A	**5135299**	BELT SET (2 BELTS) (36.00"L., .500"W.) (7.1575)			1											
10A	**5136266**	BELT SET (2 BELTS) (68.00"L., .500"W.)				1										
10A	**5135883**	BELT SET (2 BELTS) (63.00"L., .500"W.)					1									
10A	**5135298**	BELT SET (2 BELTS) (31.00"L., .500"W.) (7.1575)						1								
10A	**5135655**	BELT SET (2 BELTS) (58.00"L., .500"W.)							1							
10A	**5134742**	BELT SET (2 BELTS) (41.00"L., .380"W.) (M.S.) (7.1575)								1						
10A	**5137457**	BELT SET (2 BELTS) (41.00"L., .500"W.) (M.S.)									1					
10A	**5135882**	BELT SET (2 BELTS) (57.00"L., .500"W.)										1				
10A	**5135942**	BELT SET (2 BELTS) (55.00"L., .500"W.)											1			
10A	**5135880**	BELT SET (2 BELTS) (37.00"L., .500"W.) (7.1575)												1		
10A	**5137300**	BELT SET (2 BELTS) (39.00"L., .500"W.) (M.S.)													1	
10A	**5139026**	BELT SET (2 BELTS) (42.00"L., .500"W.)														1

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1.3000D CRANKSHAFT PULLEY BELT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 246	247	251	254	255	256	258	260	261	271	276	278	279	366
		1.3320 - BELT, CRANKSHAFT PULLEY DRIVE														
		SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".														
10A	**5139212**	BELT SET (2 BELTS) (59.00"L., .500"W.)	1													
10A	**5140186**	BELT (50.00"L., 1.28"W.) (POLY-VEE)		1												
10A	**5135884**	BELT SET (2 BELTS) (44.00"L., .500"W.) (7.1575)			1											
10A	**5141154**	BELT SET (2 BELTS) (50.00"L., .500"W.)				1										
10A	**5135880**	BELT SET (2 BELTS) (37.00"L., .500"W.) (7.1575)					1									
10A	**5137108**	BELT SET (2 BELTS) (46.00"L., .500"W.) (M.S.)						1								
10A	**5140747**	BELT SET (3 BELTS) (67.00" L., .500" W.)							1							
10A	**5121340**	BELT SET (2 BELTS) (50.00"L., .500"W.) (M.S.) (12.4045)								1						
10A	**5142322**	BELT SET (2 BELTS) (44.00" L., .500" W.) (M.S.)									1					
10A	**5144726**	BELT SET (2 BELTS) (46.00"L., .500" W.)										1				
10A	**5146723**	BELT SET (2 BELTS) (45.00"L., .500"W.)											1			
10A	**5143240**	BELT SET (2 BELTS) (34.00"L., .500"W.)												1		
10A	**5147900**	BELT SET (2 BELTS) (45.00"L., .500"W.) (M.S.)													1	
10A	**5104790**	BELT SET (2 BELTS) (40.00" L., .500" W.)														1

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1.4000A FLYWHEEL

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 86	93	239	293	294	296	297	300	305	319	320	321
		1.4001 - FLYWHEEL ASSY.												
		FOR TYPE 306 USE TYPE 378. INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5A	5145500	FLYWHEEL ASSY. (SAE #2) (C)	1											
5A	5177025	FLYWHEEL ASSY. (SAE #2) (NC)		1										
5A	3229333	FLYWHEEL ASSY. (SAE #1) (NC)			1									
5B	5121592	FLYWHEEL ASSY. (SAE #2) (NC)				1								
5A	5121047	FLYWHEEL ASSY. (SAE #3) (NC)					1							
5A	5116304	FLYWHEEL ASSY. (SAE #4) (NC)						1			1			
5A	5119213	FLYWHEEL ASSY. (SAE #4) (NC)							1					
5A	5116305	FLYWHEEL ASSY. (SAE #3) (NC)								1				
5B	5124362	* FLYWHEEL ASSY. (SAE #2) (5138586) (NC)										1		
5A	5124263	FLYWHEEL ASSY. (SAE #4) (NC)											1	
5A	5124264	+ FLYWHEEL ASSY. (SAE #4) (NC)												1
5A,B	5120753	PLATE, SCUFF (BOLT RETAINER)	1	1	1							1		
5A,B	5126671	PLATE, SCUFF (BOLT RETAINER)					1		1	1	1	1	1	1
5A,B	5143270	PLATE, SCUFF (BOLT RETAINER)						1						
5A,B	9409129	BOLT, LOCK (1 3/4" L.) (12.9001)												6
5A,B	9410925	BOLT, LOCK (2 1/4" L.) (12.9001)			6	6								
5A,B	9412018	BOLT, LOCK (2 1/4" L.)					6	6	6	6	6			6
5A,B	9410215	BOLT, LOCK (2 1/2" L.) (12.9001)		6										
5A,B	9411631	BOLT, LOCK (2 3/4" L.) (12.9001)										6		
5A,B	9409606	BOLT, LOCK (2 7/8" L.) (12.9001)		6										
5A,B	9412020	BOLT, LOCK (3" L.)											6	
		* NOT SERVICED; USE ASSY. SHOWN IN PARENTHESES.												
		+ OBSOLETE.												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	5110894	GEAR (SAE #2-102 TEETH)	1											
5A,B	5188030	GEAR (SAE #2-102 TEETH)		1		1						1		
	5112743	GEAR (SAE #1-118 TEETH)			1									
5A,B	5116301	GEAR (SAE #3-126 TEETH)					1			1				
5A,B	5116289	GEAR (SAE #4-111 TEETH)						1	1		1		1	1
		1.4040 - BEARING, CLUTCH PILOT												
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO 8.1450.												
5A	907302	BEARING (N.D. Z99605X1978)	1											
5A	954421	% BEARING (N.D. 7605L1C)		1										
5A	906986	BEARING (N.D. Z99506PLR1C)				1		1	1					
		% NOT SERVICED, USE 907302.												

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 86	93	239	293	294	296	297	300	305	319	320	321
		1.4045 - RETAINER, CLUTCH PILOT BEARING												
	5109008	RETAINER (PRESSED IN CRANKSHAFT) (1.4001)			1									

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1.4000A FLYWHEEL

RNG	PART NUMBER	NAME AND DESCRIPTION	TYPES 324	325	326	327	328	329	330	331	332	333	334	336
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5A	**5119418**	FLYWHEEL ASSY. (SAE #4) (NC)	1											
5A,B	**5119225**	FLYWHEEL ASSY. (SAE #3) (NC)		1										
5A	**5119227**	FLYWHEEL ASSY. (SAE #3) (NC)			1									
5A,B	**5119495**	FLYWHEEL ASSY. (SAE #3) (NC)				1								
5A,B	**5119375**	FLYWHEEL ASSY. (SAE #3) (NC)					1							
5A,B	**5124929**	FLYWHEEL ASSY. (SAE #3) (NC)						1						1
5A	**5116359**	= FLYWHEEL ASSY. (SAE #3) (NC)(SD-141)							1					
5A	**5122954**	FLYWHEEL ASSY. (SAE #2) (NC)								1				
5A	**5119306**	* FLYWHEEL ASSY. (SAE #3) (NC)									1			
5A	**5119316**	* FLYWHEEL ASSY. (SAE #3) (NC)										1		
5A	**5124627**	FLYWHEEL ASSY. (SAE #3) (NC)											1	
5A,B	**5126671**	PLATE, SCUFF (BOLT RETAINER)		1	1	1	1	1		1	1	1	1	1
5A,B	**9409129**	BOLT, LOCK (1 3/4"L.) (12.9001)							6					
5A,B	**9409512**	BOLT, LOCK (2"L.)											6	
5A,B	**9412018**	BOLT, LOCK (2 1/4" L.)	6	6	6	6	6	6		6	6	6		6
		* OBSOLETE = NOT SERVICED, USE 5149152 AND 5116301.												
		1.4010 - GEAR, FLYWHEEL RING												
?A,B	**5116301**	GEAR (SAE #3-126 TEETH)		1	1	1	1	1	1		1	1	1	1
?,B	**5116289**	GEAR (SAE #4-111 TEETH)	1											
?A,B	**5116302**	GEAR (SAE #2-138 TEETH)								1				

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 340	346	347	348	349	350	356	357	360	362	363	364
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5A,B	**5124805**	* FLYWHEEL ASSY. (SAE #2) (5138224) (NC)	1											
5A	**5119184**	FLYWHEEL ASSY. (SAE #2) (NC)		1										
5A,B	**5125577**	FLYWHEEL ASSY. (SAE #2) (NC)			1									
5A	**5124473**	+ FLYWHEEL ASSY. (SAE #2) (NC)				1								
5A	**5125195**	FLYWHEEL ASSY. (SAE #3) (NC)					1							
5B	**5125346**	FLYWHEEL ASSY. (SAE #3) (NC)						1						
5A	**5126192**	+ FLYWHEEL ASSY. (SAE #4) (NC)							1					
5B	**5123831**	FLYWHEEL ASSY. (SAE #2) (NC)								1				
5A	**5103818**	+ FLYWHEEL ASSY. (SAE #3) (NC)									1			
5A	**5126527**	FLYWHEEL ASSY. (SAE #3) (NC)										1		
5A	**5126865**	# FLYWHEEL ASSY. (SAE #4) (NC)											1	
5A	**5126191**	+ FLYWHEEL ASSY. (SAE #2) (NC)												1
5A,B	**5126671**	PLATE, SCUFF (BOLT RETAINER)	1	1	1		1	1	1		1	1	1	1
5A,B	**5120753**	PLATE, SCUFF (BOLT RETAINER)								1				
5A,B	**9409129**	BOLT, LOCK (1 3/4" L.) (12.9001)						6					6	
5A,B	**9412018**	BOLT, LOCK (2 1/4" L.)	6	6	6	6	6		6		6			6
5A,B	**9412015**	BOLT, LOCK (2 1/2" L.)								6				
5A,B	**9412019**	BOLT, LOCK (2 5/8" L.)										6		
		* NOT SERVICED; USE ASSY. SHOWN IN PARENTHESES.												
		+ OBSOLETE												
		# NOT SERVICED; USE 5125756 PLUS SD-114.												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	**5116302**	GEAR (SAE #2-138 TEETH)	1	1	1	1								1
5A,B	**5116301**	GEAR (SAE #3-126 TEETH)					1	1			1	1		
5A,B	**5116289**	GEAR (SAE #4-111 TEETH)							1				1	
5A,B	**5188030**	GEAR (SAE #2-102 TEETH)								1				
		1.4040 - BEARING, CLUTCH PILOT												
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO 8.1450.												
5A	**906986**	BEARING (N.D. Z99506PLR1C)		1										
5A	**907594**	BEARING (N.D. Z99606X1C)								1				

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1.4000A FLYWHEEL

RPG	PART NUMBER	NAME AND DESCRIPTION	TYPES 365	372	374	375	376	377	378	384	385	388
		1.4001 - FLYWHEEL ASSY.										
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.										
5A	5126587	FLYWHEEL ASSY. (SAE #3) (NC)	1									
5A	5126414	% FLYWHEEL ASSY. (SAE #2) (NC) (5138224)		1								
5A	5127253	FLYWHEEL ASSY. (SAE #4) (NC)			1							
5A,B	5127040	FLYWHEEL ASSY. (SAE #2) (NC)				1						
5B	5109231	FLYWHEEL ASSY. (SAE #2) (NC)					1					
5A	5125960	FLYWHEEL ASSY. (SAE #3) (NC)						1				
5A	5125756	FLYWHEEL ASSY. (SAE #4) (NC)							1			
5A	5127468	+ FLYWHEEL ASSY. (SAE #4) (NC)								1		
5A	5127302	= FLYWHEEL ASSY. (SAE #3) (NC)									1	
5A,B	5119185	FLYWHEEL ASSY. (SAE #2) (NC)										1
5A,B	5126671	PLATE, SCUFF (BOLT RETAINER)	1	1	1	1	1		1	1	1	1
5A,B	5143270	PLATE, SCUFF (BOLT RETAINER)						1				
5A,B	9409129	BOLT, LOCK (1 3/4" L.) (12.9001)							6			
5A,B	9409512	BOLT, LOCK (2" L.)				6	6					
5A,B	9412018	BOLT, LOCK (2 1/4" L.)	6	6	6					6	6	
5A,B	9412020	BOLT, LOCK (3" L.)										
5A,B	9415174	BOLT, LOCK (3 1/2" L.)						6				
		+ OBSOLETE.										
		% NOT SERVICED; USE ASSY. SHOWN IN PARENTHESES.										
		= NOT SERVICED; EXPERIMENTAL PART ONLY.										
		1.4010 - GEAR, FLYWHEEL RING										
5A,B	5116302	GEAR (SAE #2 - 138 TEETH)		1		1	1					1
5A,B	5116301	GEAR (SAE #3 - 126 TEETH)	1					1			1	
5A,B	5116289	GEAR (SAE #4 - 111 TEETH)			1				1	1		
		1.4040 - BEARING, CLUTCH PILOT										
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO 8.1450.										
5A	907302	BEARING (N.D. 99605X1978)				1						
5A	954293	BEARING (N.D. 77502X1C)						1				

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 401	402	407	408	411	412	416	425	437	441	443	444
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5A	**5128082**	FLYWHEEL ASSY. (SAE #2) (NC)	1											
5A	**5127017**	* FLYWHEEL ASSY. (SAE #3) (NC)		1										
5A	**5125195**	FLYWHEEL ASSY. (SAE #3) (NC)			1									
5A	**5129196**	FLYWHEEL ASSY. (SAE #3) (NC)				1								
5B	**5129275**	FLYWHEEL ASSY. (SAE #2) (NC)					1							
5A	**5129521**	@ FLYWHEEL ASSY. (SAE #2) (NC) (SD-87)						1						
5A	**5129356**	FLYWHEEL ASSY. (SAE #2) (NC)							1					
	5127241	FLYWHEEL (POWER TAKE-OFF) (8.1009)								1				
5A	**5147092**	FLYWHEEL ASSY. (SAE #3) (NC)									1			
5A	**5119213**	FLYWHEEL ASSY. (SAE #4) (NC)										1		
5A	**5108557**	FLYWHEEL ASSY. (SAE #4) (NC)											1	
5A,B	**5108514**	FLYWHEEL ASSY. (SAE #3) (NC)												1
5A,B	**5126671**	PLATE, SCUFF (BOLT RETAINER)	1	1	1		1	1	1			1	1	1
5A,B	**5127252**	÷ PLATE, SCUFF (BOLT RETAINER)								1				
5A,B	**5143270**	PLATE, SCUFF (BOLT RETAINER)									1			
5A,B	**9415527**	BOLT, LOCK (1 3/8" L.) (8.1009)								4				
5A,B	**9409129**	BOLT, LOCK (1 3/4" L.) (12.9001)		6										
5A,B	**9409512**	BOLT, LOCK (2" L.)						6						
5A,B	**9412018**	BOLT, LOCK (2 1/4" L.)	6		6		6		6			6	6	6
5A,B	**9412019**	BOLT, LOCK (2 5/8" L.)				6								
5A,B	**9415174**	BOLT, LOCK (3 1/2" L.)									6			
		* ALSO INCLUDES BUSHING IN 1.4040.												
		@ NOT SERVICED; USE 5109231 PLUS 1-954410 BEARING.												
		÷ OBSOLETE												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	**5116302**	GEAR (SAE #2 - 138 TEETH)	1				1	1	1					
5A,B	**5116301**	GEAR (SAE #3 - 126 TEETH)		1	1	1					1			1
5A,B	**5116289**	GEAR (SAE #4 - 111 TEETH)										1	1	
		1.4040 - BEARING, CLUTCH PILOT												
		FOR CLUTCH PILOT BEARING NOT LISTED HERE, REFER TO 8.1450.												
5A	**907302**	BEARING (N.D. Z99605X1978)			1									
5A	**904983**	BEARING (N.D. Z99505X1C)						1			1			
	5126667	BUSHING		1										

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 445	448	449	451	453	454	458	459	460	463	466
		1.4001 - FLYWHEEL ASSY.											
		FOR TYPE 447 USE TYPE 347. INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.											
5B	**5100173**	FLYWHEEL ASSY. (SAE #1) (NC)	1										
5B	**5109023**	FLYWHEEL ASSY. (SAE #3) (C)		1									
5B	**5109042**	= FLYWHEEL ASSY. (SAE #1) (C) (SD-146)			1								
5A	**5109238**	FLYWHEEL ASSY. (SAE #3) (NC)				1							
5A	**5109299**	FLYWHEEL ASSY. (SAE #2) (NC)					1						
5A	**5109029**	+ FLYWHEEL ASSY. (SAE #3) (NC)						1					
5B	**5109429**	FLYWHEEL ASSY. (SAE #2) (NC)							1				
5A	**5109436**	+ FLYWHEEL ASSY. (SAE #2) (NC)								1			
5B	**5109231**	FLYWHEEL ASSY. (SAE #2) (NC)									1		
5B	**5109628**	* FLYWHEEL ASSY. (SAE #3) (NC)										1	
5A	**5109405**	# FLYWHEEL ASSY. (SAE #1) (NC)(SD-197)											1
5A,B	**5126671**	PLATE, SCUFF (BOLT RETAINER)	1	1	1	1	1	1	1	1	1	1	1
5A,B	**9409129**	BOLT, LOCK 1/2"-20X1 3/4" (12.9001)		6								6	
5A,B	**9409512**	BOLT, 1/2"-20X2"							6	6	6		
5A,B	**9412018**	BOLT, 1/2"-20X2 1/4"	6		6	6		6					6
		+ OBSOLETE, NO REPLACEMENT.											
		* NOT SERVICED; FOR SERVICE USE 1-5109023 FOR MODEL 5062-3000 OR 1-5130544 FOR MODEL 5062-7000.											
		= NOT SERVICED, USE (1) 5149152, (1) 5116302 AND SD-146.											
		# NOT SERVICED, USE FLYWHEEL BLANK 5149205 AND RING GEAR 5116302 AND SD-197.											
		1.4010 - GEAR, FLYWHEEL RING											
5A,B	**5116302**	GEAR (SAE #2 - 138 TEETH)	1		1		1	1	1	1	1		1
5A,B	**5116301**	GEAR (SAE #3 - 126 TEETH)				1							
5A,B	**5109022**	GEAR (SAE #3 - 93 TEETH) (L.H. BENDIX CHAMFER)		1								1	

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 471	475	476	480	481	482	483	489	493	498	499	503
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5B	**5109460**	+ FLYWHEEL ASSY. (SAE #2) (NC)(SD-196)	1											
5A	**5162720**	# FLYWHEEL ASSY. (SAE #3) (NC)		1										
5A	**5109989**	FLYWHEEL ASSY. (SAE #3) (NC)			1									
5B	**5109821**	= FLYWHEEL ASSY. (SAE #3) (NC)(SD-236)				1								
5A,B	**5170517**	FLYWHEEL ASSY. (SAE #3) (NC)					1							
5B	**5162984**	FLYWHEEL ASSY. (SAE #2) (NC)						1						
5B	**5109973**	FLYWHEEL ASSY. (SAE #2) (NC)							1					
5A	**5179194**	# FLYWHEEL ASSY. (SAE #3) (NC)								1				
5A	**5136522**	FLYWHEEL ASSY. (SAE #3) (C)									1			
5B	**5109028**	FLYWHEEL ASSY. (SAE #2) (NC)										1		
5A	**5130802**	= FLYWHEEL ASSY. (SAE #3) (NC)(SD-235)											1	
5A	**5179301**	= FLYWHEEL ASSY. (SAE #3) (NC)(SD-234)												1
5A,B	**5126671**	PLATE, SCUFF (BOLT RETAINER)	1	1	1	1	1	1	1	1	1	1	1	
	9409129	BOLT, LOCK (1 3/4" L.) (12.9001)									6			
5A,B	**9409512**	BOLT, LOCK (2" L.)						6	6					
5A,B	**9412018**	BOLT, LOCK (2 1/4" L.)	6		6	6						6	6	6
5A,B	**9412020**	BOLT, LOCK (3" L.)		6										
5A,B	**9415174**	BOLT, LOCK (3 1/2" L.)								6				
5A,B	**9409213**	BOLT, LOCK (4" L.)					6							
		# OBSOLETE.												
		= NOT SERVICED, USE 5149203 AND 5116301.												
		+ NOT SERVICED, USE 5149205 AND 5116302.												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	**5116302**	GEAR (SAE #2 - 138 TEETH)	1					1	1					
5A,B	**5116301**	GEAR (SAE #3 - 126 TEETH)		1	1	1	1			1		1	1	1
	5136556	GEAR (SAE #3 - 126 TEETH)									1			
		1.4075 - DISC, FLYWHEEL FLEXIBLE COUPLING												
	5122072	DISC					1							
	5136910	DISC									1			
	5170518	DISC					3							
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)									8			
	6836873	PACKAGE, 3/8"-24 HEX. CONE LOCK NUT (6 NUTS PER PKG.) (9.4002)					1							

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1.4000A FLYWHEEL

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	507	510	512	513	515	516	517	526	527	530	532
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5A	5130549	= FLYWHEEL ASSY. (SAE #3) (NC)(SD-149)	1											
5B	5109231	FLYWHEEL ASSY. (SAE #2) (NC)		1										
5A	5131386	FLYWHEEL ASSY. (SAE #4) (NC)			1									
5A	5131588	FLYWHEEL ASSY. (SAE #4) (NC)				1								
5B	5131635	# FLYWHEEL ASSY. (SAE #2) (NC)(SD-145)					1							
5B	5131810	+ FLYWHEEL ASSY. (SAE #2) (NC)						1						
5B	5131816	+ FLYWHEEL ASSY. (SAE #2) (NC)							1					
5B	5131382	+ FLYWHEEL ASSY. (SAE #2) (NC)								1				
5A	5197849	FLYWHEEL ASSY. (SAE #3) (INCLUDES PIN) (NC)									1			
5A	5132807	FLYWHEEL ASSY. (SAE #3) (NC)										1		
5A	5131322	+ FLYWHEEL ASSY. (SAE #3) (NC)											1	
5B	5129114	* FLYWHEEL ASSY. (SAE #3) (NC)												1
5A,B	5126671	PLATE, SCUFF (BOLT RETAINER)	1	1	1	1	1	1	1	1	1	1	1	1
	456360	PIN, 3/16"X3/8" ROLL (12.9275)									6			
	9409129	BOLT, LOCK (1 3/4" L.) (12.9001)												1
5A,B	9409512	BOLT, LOCK (2" L.)		6				6	6	6				
5A,B	9412018	BOLT, LOCK (2 1/4" L.)	6		6		6				6	6	6	
5A,B	9415174	BOLT, LOCK (3 1/2" L.)				6								
	5111467	WASHER (1.8360)									6			
	5108435	WASHER, 3/8" (12.4010)												6
		+ OBSOLETE.												
		* RING GEAR NOT AVAILABLE SEPARATELY.												
		= NOT SERVICED, USE 5149152 AND 5116301.												
		# NOT SERVICED, USE 5149152 AND 5116302.												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	5116302	GEAR (SAE #2 - 138 TEETH)		1			1	1	1	1				
5A,B	5116301	GEAR (SAE #3 - 126 TEETH)	1								1	1	1	1
5A,B	5116289	GEAR (SAE #4 - 111 TEETH)			1	1								
		1.4040 - BEARING, CLUTCH PILOT												
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO 8.1450.												
5A	904983	BEARING (N.D. Z99505X1C)		1									1	
5A	954294	BEARING (N.D. 88026X1KE4)				1								
5A	907187	BEARING (N.D. Z99604X1C)								1				

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 505	507	510	512	513	515	516	517	526	527	530	532
		1.4060 - COUPLING, ENGINE DRIVE SHAFT FLEXIBLE												
	5181675	COUPLING					1		1					
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)					8		8					

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1.4000A FLYWHEEL

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 5355	5356	5358	5400	5422	5449	5451	5453	5555	5559	5562	5564
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
	NPN	FLYWHEEL ASSY. (CUSTOMER FURNISHED)	1											
5A	5132976	= FLYWHEEL ASSY. (SAE #3) (NC)(SD-150)		1										
5A	5129058	FLYWHEEL ASSY. (SAE #3) (NC)			1									
5B	5133512	FLYWHEEL ASSY. (SAE #3) (NC)				1								
5A	5132966	% FLYWHEEL ASSY. (SAE #3) (NC)					1							
5B	5133347	FLYWHEEL ASSY. (SAE #2) (NC)						1						
5B	5133503	+ FLYWHEEL ASSY. (SAE #2) (NC)							1					
5A	5138224	FLYWHEEL ASSY. (SAE #2) (NC)								1				
5A	5133624	FLYWHEEL ASSY. (SAE #3) (NC)									1			
5A	5134085	FLYWHEEL ASSY. (SAE #2) (NC)										1		
5A	5132978	= FLYWHEEL ASSY. (SAE #2) (NC)(SD-144)											1	
5A	5134183	+ FLYWHEEL ASSY. (SAE #2) (NC)												1
5A,B	5126671	PLATE, SCUFF (BOLT RETAINER)		1	1	1	1	1	1	1	1		1	1
	9409129	BOLT, LOCK (1 3/4" L.) (12.9001)				6								
5A,B	9409512	BOLT, LOCK (2" L.)									6	6		6
5A,B	9412018	BOLT, LOCK (2 1/4" L.)		6	6		6	6	6	6			6	
		+ OBSOLETE.												
		= NOT SERVICED, USE 5149152 AND 5116301.												
		% NOT SERVICED; USE 5136139.												
		1.4008 - SEAL, FLYWHEEL OIL												
	5121748	SEAL											1	
	6525225	SEAL											1	
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	5116302	GEAR (SAE #2 - 138 TEETH)						1	1	1		1		1
5A,B	5116301	GEAR (SAE #3 - 126 TEETH)		1	1	1	1				1		1	
		1.4040 - BEARING, CLUTCH PILOT												
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO 8.1450.												
	NPN	BEARING (CUSTOMER FURNISHED)								1				
5A	907302	BEARING (N.D. Z99605X1978)										1		
5A	904983	BEARING (N.D. Z99605X1978)												1
		1.4060 - COUPLING, ENGINE DRIVE SHAFT FLEXIBLE												
	5133530	COUPLING ASSY.				1								
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)				8								

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 565	567	569	573	575	576	582	586	588	590	598	599
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5A	**5134216**	FLYWHEEL ASSY. (SAE #2) (NC)	1											
5A	**5131075**	+ FLYWHEEL ASSY. (SAE #2) (NC)		1										
5B	**5134417**	FLYWHEEL ASSY. (SAE #2) (NC)			1									
5B	**5134743**	+ FLYWHEEL ASSY. (SAE #2) (NC)				1								
5A	**5135215**	FLYWHEEL ASSY. (SAE #2) (NC)					1							
5A	**5131391**	+ FLYWHEEL ASSY. (SAE #3) (NC)						1						
5A	**5135264**	FLYWHEEL ASSY. (SAE #3) (NC)							1					
5A	**5135237**	+ FLYWHEEL ASSY. (SAE #3) (NC)								1				
5B	**5135433**	+ FLYWHEEL ASSY. (SAE #2) (C)									1			
5A	**5135744**	FLYWHEEL ASSY. (SAE #3) (NC)										1		
5A	**5181673**	FLYWHEEL ASSY. (SAE #2) (NC)											1	
5A	**5136139**	FLYWHEEL ASSY. (SAE #3) (NC)												1
	5133530	COUPLING ASSY., FLEX. DRIVE											1	
5A,B	**5126671**	PLATE, SCUFF (BOLT RETAINER)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5120753**	PLATE, SCUFF (BOLT RETAINER)												
5A,B	**5143270**	PLATE, SCUFF (BOLT RETAINER)												
	9409129	BOLT, LOCK (1 3/4" L.) (12.9001)					6							
5A,B	**9409512**	BOLT, LOCK (2" L.)	6						6	6				6
5A,B	**9412018**	BOLT, LOCK (2 1/4" L.)												
	9410925	BOLT, LOCK (2 1/4" L.) (12.9001)			6									
5A,B	**9411631**	BOLT, LOCK (2 3/4" L.) (12.9001)				6								
	9412020	BOLT, LOCK (3" L.)						6						
5A,B	**9415174**	BOLT, LOCK (3 1/2" L.)		6								6		
	9409079	BOLT, 3/8"-16X7/8" (12.9001)											8	
5A,B	**9409532**	BOLT, 9/16"-18X2" (12.9001)											6	
5A,B	**9409606**	BOLT, 9/16"-18X2 7/8" (12.9001)									6			
		+ OBSOLETE.												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	**5116302**	GEAR (SAE #2 - 138 TEETH)	1				1							
5A,B	**5116301**	GEAR (SAE #3 - 126 TEETH)		1				1	1	1		1		1
5A,B	**5188030**	GEAR (SAE #2 - 102 TEETH)			1	1							1	
5A,B	**5110894**	GEAR (SAE #2 - 102 TEETH) (R.H. BENDIX CHAMFER)									1			
		1.4040 - BEARING, CLUTCH PILOT												
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO 8.1450.												
5A	**904983**	BEARING (N.D. Z99605X1978)	1									1		

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1.4000A FLYWHEEL

MG	PART NUMBER	NAME AND DESCRIPTION	TYPES 603	604	605	606	608	609	611	612	615	620	624	626
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5A	5132053	= FLYWHEEL ASSY. (SAE #3) (NC)(SD-145)	1											
5A	5136532	= FLYWHEEL ASSY. (SAE #3) (NC)(SD-153)		1										
5B	5135977	+ FLYWHEEL ASSY. (SAE #3) (NC)			1									
5A	5133478	FLYWHEEL ASSY. (SAE #2) (NC)				1								
5A	5136721	FLYWHEEL ASSY. (SAE #3) (NC)					1							
5B	5136542	FLYWHEEL ASSY. (SAE #2) (NC)						1						
5A	5136979	+ FLYWHEEL ASSY. (SAE #2) (NC)							1					
5A	5135770	FLYWHEEL ASSY. (SAE #2) (NC)								1				
5A	5137118	FLYWHEEL ASSY. (SAE #3) (NC)									1			
5B	5137449	FLYWHEEL ASSY. (SAE #1) (NC)										1		
5A	5136046	FLYWHEEL ASSY. (SAE #3) (NC)											1	
5B	5136889	FLYWHEEL ASSY. (SAE #3) (C)												1
5A,B	5126671	PLATE, SCUFF (BOLT RETAINER)		1		1	1	1	1		1	1	1	1
5A,B	5131990	PLATE, SCUFF (BOLT RETAINER)	1			1								
5A,B	5120753	PLATE, SCUFF (BOLT RETAINER)			1					1				
5A,B	5143270	PLATE, SCUFF (BOLT RETAINER)												6
5A,B	9409129	BOLT, LOCK (1 3/4" L.) (12.9001)						6	6					
5A,B	9409512	BOLT, LOCK (2" L.)												
5A,B	9412018	BOLT, LOCK (2 1/4" L.)	6	6		6	6					6	6	
5A,B	9410925	BOLT, LOCK (2 1/4" L.) (12.9001)			6									
5A,B	9412020	BOLT, LOCK (3" L.)									6			
5A,B	9415174	BOLT, LOCK (3 1/2" L.)								6				
		= NOT SERVICED, USE 5149152 AND 5116301.												
		+ OBSOLETE.												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	5116302	GEAR (SAE #2 - 138 TEETH)				1		1	1	1		1		
5A,B	5116301	GEAR (SAE #3 - 126 TEETH)	1	1			1				1		1	
5A,B	5109022	= GEAR (SAE #3 - 93 TEETH)			1									1
5A,B	5130545	# GEAR (SAE #3 - 93 TEETH)												
		= L.H. BENDIX CHAMFER.												
		# R.H. BENDIX CHAMFER.												
		1.4040 - BEARING, CLUTCH PILOT												
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO 8.1450.												
5A	907302	BEARING (N.D. Z99605X1978)							1					
5A	904983	BEARING (N.D. Z99505X1C)								1				
5A	907084	BEARING (N.D. Z99507L1C)										1		

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 603	604	605	606	608	609	611	612	615	620	624	626
		1.4055 - CARRIER, FLYWHEEL PILOT BEARING												
	5137511	+ CARRIER										166		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												
	103321	LOCKWASHER, 3/8" (12.9200)												
		+ OBSOLETE.												
		1.4060 - COUPLING, ENGINE DRIVE SHAFT FLEXIBLE												
	5136909	COUPLING												18
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)												

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 627	633	637	638	639	641	642	644	645	647	657	660	667
		1.4001 - FLYWHEEL ASSY.													
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.													
5A	**5137409**	+ FLYWHEEL ASSY. (SAE #4) (NC)	1												
5A	**5138023**	FLYWHEEL ASSY. (SAE #3) (NC)		1											
5A	**5136497**	= FLYWHEEL ASSY. (SAE #3) (C)(SD-148)			1										
5A	**5125195**	FLYWHEEL ASSY. (SAE #3) (NC)				1									
5B	**5133916**	FLYWHEEL ASSY. (SAE #2) (NC)					1								
5A	**5138224**	FLYWHEEL ASSY. (SAE #2) (NC)						1	1						
5A,B	**5138316**	FLYWHEEL ASSY. (SAE #3) (NC)								1					
5B	**5138063**	FLYWHEEL ASSY. (SAE #4) (NC)									1				
5A	**5138047**	FLYWHEEL ASSY. (SAE #3) (NC)										1			
5A	**5138530**	FLYWHEEL ASSY. (SAE #2 W/2.4" PIL. BORE) (C)											1		
5A	**5137641**	+ FLYWHEEL ASSY. (SAE #3) (NC)													1
	5139025	FLYWHEEL ASSY. (SAE #3) (NC)												1	
5A,B	**5126671**	PLATE, SCUFF (BOLT RETAINER)	1	1	1	1	1	1	1	1	1	1	1		1
5A,B	**5120753**	PLATE, SCUFF (BOLT RETAINER)												1	
5A,B	**9409512**	BOLT, LOCK (2" L.)					6						6		
5A,B	**9412018**	BOLT, LOCK (2 1/4" L.)	6	6	6	6		6	6	6	6	6			
	9410925	BOLT, LOCK (2 1/4" L.)												6	
5A,B	**9412019**	BOLT, LOCK (2 5/8" L.)													6
		+ OBSOLETE. = NOT SERVICED, USE 5149152 AND 5136556.													
		1.4010 - GEAR, FLYWHEEL RING													
5A,B	**5116302**	GEAR (SAE #2 - 138 TEETH)					1	1	1				1		
5A,B	**5116301**	GEAR (SAE #3 - 126 TEETH)		1		1				1		1			1
5A,B	**5136556**	GEAR (SAE #3 - 126 TEETH)			1										
5A,B	**5116289**	GEAR (SAE #4 - 111 TEETH)	1								1				
5A,B	**5110841**	GEAR (SAE #3 - 94 TEETH)												1	
		1.4040 - BEARING, CLUTCH PILOT													
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO 8.1450.													
5A	**906986**	BEARING (N.D. Z99506PLR1C)				1		1							

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 669	686	690	696	703	704	705	710	714	719	723	725
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5B	**5139383**	FLYWHEEL ASSY. (SAE #3) (NC)	1											
5B	**5162984**	FLYWHEEL ASSY. (SAE #2) (NC)		1										
5A	**5140791**	* FLYWHEEL ASSY. (SAE #2) (NC)			1									
5B	**5140335**	* FLYWHEEL ASSY. (SAE #2) (NC)				1								
5A	**5140731**	* FLYWHEEL ASSY. (SAE #4) (NC)					1							
5A	**5142071**	= FLYWHEEL ASSY. (SAE #2) (NC)						1						
5A,B	**5124805**	@ FLYWHEEL ASSY. (SAE #2) (NC) (5138224)							1					
5B	**5137697**	FLYWHEEL ASSY. (SAE #1) (NC)								1				
5A	**5125960**	FLYWHEEL ASSY. (SAE #3) (NC)									1			
5A	**5132807**	FLYWHEEL ASSY. (SAE #3) (NC)										1		
5A	**5141677**	FLYWHEEL ASSY. (SAE #3) (NC)											1	
5A	**5142963**	+ FLYWHEEL ASSY. (SAE #3) (NC)												1
5A,B	**5126671**	PLATE, SCUFF (BOLT RETAINER)	1	1	1	1	1	1	1	1	1	1	1	1
5A,B	**5120753**	PLATE, SCUFF (BOLT RETAINER)												
5A,B	**9409512**	BOLT, LOCK (2" L.)		6						1				
5A,B	**9412018**	BOLT, LOCK (2 1/4" L.)	6		6	6	6	6	6			6	6	6
5A,B	**9410925**	BOLT, LOCK (2 1/4" L.)								6				
5A,B	**9415174**	BOLT, LOCK (3 1/2" L.)									6			
		* OBSOLETE												
		= NOT SERVICED, USE 5149152 AND 5116302 PLUS SD-151.												
		+ NOT SERVICED, USE 5149152 AND 5116301 PLUS SD-142.												
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	**5130545**	GEAR (SAE #3 - 93 TEETH) (R.H. BENDIX CHAMFER)	1											
5A,B	**5116302**	GEAR (SAE #2 - 138 TEETH)		1	1	1		1	1					
5A,B	**5116289**	GEAR (SAE #4 - 111 TEETH)					1							
5A,B	**5184773**	GEAR (SAE #1 - 118 TEETH)								1				
5A,B	**5116301**	GEAR (SAE #3 - 126 TEETH)									1	1	1	1
		1.4040 - BEARING, CLUTCH PILOT												
5A	**906986**	BEARING (N.D. Z99506PLR1C)		1					1					
5A	**907084**	BEARING (N.D. Z99507L1C)								1				
5A	**907302**	BEARING (N.D. Z99605X1978)										1		

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1.4000A FLYWHEEL

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 728	735	736	744	758	766	769	780	787	801	802	803
		1.4001 - FLYWHEEL ASSY.												
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.												
5B	5143417	+ FLYWHEEL ASSY. (SAE #2) (NC)	1											
5A	5130544	FLYWHEEL ASSY. (SAE #3) (C)		1										
5B	5142010	+ FLYWHEEL ASSY. (SAE #2) (NC)			1									
5A	5141139	FLYWHEEL ASSY. (SAE #2) (C)				1								
5B	5144968	* FLYWHEEL ASSY. (SAE #1) (5147899) (C)					1							
5B	5133512	FLYWHEEL ASSY. (SAE #3) (NC)						1	1					
5A	5146148	* FLYWHEEL ASSY. (SAE #3)(5147927) (NC)								1				
5A	5146398	FLYWHEEL ASSY. (SAE #3) (NC)									1			
5A	5147092	FLYWHEEL ASSY. (SAE #3) (C)										1		
5B	5137449	FLYWHEEL ASSY. (SAE #1) (NC)											1	
5A	5147702	FLYWHEEL ASSY. (SAE #3) (NC)												1
5A,B	5126671	PLATE, SCUFF (BOLT RETAINER)	1	1		1		1	1		1	1	1	1
5A,B	5120753	PLATE, SCUFF (BOLT RETAINER)			1		1							
	456390	PIN, ROLL (.750" L.)								1				
5A,B	9409512	BOLT, LOCK (2" L.)									6			
5A,B	9412018	BOLT, LOCK (2 1/4" L.)	6			6				6			6	
5A,B	9410925	BOLT, LOCK (2 1/4" L.) (12.9001)					6							
5A,B	9411631	BOLT, LOCK (2 3/4" L.) (12.9001)			6									
5A,B	9409129	BOLT, LOCK (3 1/4" L.) (12.9001)		6				6	6					
5A,B	9415174	BOLT, LOCK (3 1/2" L.)								6				
	5111467	WASHER (1.8360)										6		6
		+ OBSOLETE.												
		* NOT SERVICED; USE ASSEMBLY SHOWN IN PARENTHESES.												
		1.4010 - GEAR, FLYWHEEL RING												
5A,B	5130545	GEAR (SAE #3 - 93 TEETH) (R.H. BENDIX CHAMFER)		1										
5A,B	5116302	GEAR (SAE #2 - 138 TEETH)	1										1	
5A,B	5116301	GEAR (SAE #3 - 126 TEETH)						1	1	1	1			1
5A,B	5188030	GEAR (SAE #2 - 102 TEETH)			1									
5A,B	5110894	GEAR (SAE #2 - 102 TEETH)				1								
5A,B	5136556	GEAR (SAE #3 - 126 TEETH)										1		
5A,B	5166664	GEAR (SAE #1 - 118 TEETH)					1							
		1.4040 - BEARING, CLUTCH PILOT												
5A	904983	BEARING (N.D. Z99505X1C)										1		
		1.4060 - COUPLING, ENGINE DRIVE SHAFT FLEXIBLE												
	5133530	COUPLING ASSY.						1						
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)						8						

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 728	735	736	744	758	766	769	780	787	801	802	803
		1.4075 - DISC, FLYWHEEL FLEXIBLE COUPLING												
	5170518	DISC						3						
	5122072	DISC ASSY.						1						1
	5107769	DISC												

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 807	808	809	843	858	861	862	865	871	944	945	946	947	978
		1.4001 - FLYWHEEL ASSY.														
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.														
	NPN	FLYWHEEL ASSY. (CUSTOMER FURNISHED)					1									
5A	**5147927**	FLYWHEEL ASSY. (SAE #3) (NC)	1													
5B	**5124627**	FLYWHEEL ASSY. (SAE #3) (NC)			1											
5B	**5162984**	FLYWHEEL ASSY. (SAE #2) (NC)				1										
5A	**5102444**	FLYWHEEL ASSY. (SAE #2) (NC)						1								
5A	**5102486**	+ FLYWHEEL ASSY. (SAE #2) (NC)							1							
5A	**5102308**	FLYWHEEL ASSY. (SAE #3) (NC)								1						
5A	**5102920**	FLYWHEEL ASSY. (SAE #3) (NC)									1					
5A	**5102011**	FLYWHEEL ASSY. (SAE #4) (NC)										1				
5B	**5133512**	FLYWHEEL ASSY. (SAE #3) (NC)											1			
5A	**5103818**	FLYWHEEL ASSY. (SAE #3) (NC)												1		
5B	**5104456**	FLYWHEEL ASSY. (SAE #2) (NC)													1	
5A,B	**5148093**	FLYWHEEL ASSY. (SAE #2) (NC)		1												1
5A	**5105297**	FLYWHEEL ASSY. (SAE #3) (NC)														1
	5126671	PLATE, SCUFF (BOLT RETAINER)		1	1	1	1	1	1	1	1	1	1	1	1	1
	456390	PIN, ROLL (.75" L.)	1													
5A	**9412018**	BOLT, LOCK (2 1/4" L.)	6	6			6	6	6		6	6		6	6	6
	9409512	BOLT, 1/2"-20X2" AA LOCK			6	6				6						
	9409129	BOLT, LOCK 1/2"-20X1 3/4" (12.9001)											6			
	5111467	WASHER (1.8360)	6													
		+ OBSOLETE.														
		1.4010 - GEAR, FLYWHEEL RING														
5A	**5116301**	GEAR (SAE #3 - 126 TEETH)	1		1					1	1		1	1		1
	5116302	GEAR (SAE #2 - 138 TEETH)		1		1		1	1						1	
	5116289	GEAR (SAE #4-111 TEETH)										1				
		1.4040 - BEARING, CLUTCH PILOT														
5A	**907302**	BEARING (N.D. Z99605X1978)				1										
		1.4072 - PLATE,FLYWHEEL INPUT DRIVE														
	5148011	PLATE		1												
	5148012	ADAPTOR		1												
	9409131	BOLT, 3/8"—24 X 3/4" (12.9001)		6												
	6836873	* PACKAGE (6 PCS.) 3/8"—24 HEX. CONE LOCKNUT (9.4002)		1												
		* SHOWN IN TYPE 808 FOR REFERENCE ONLY. PART OF TRANSMISSION ASSEMBLIES IN 9.4001.														
		1.4075 - DISC, FLYWHEEL FLEXIBLE COUPLING														
	5102584	DISC ASSY.	1													
	8927580	BOLT, 3/8"-16X1.015" LOCK (12.9001)											18			

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1.4000A FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 992	1005	1008	1009	1019	1048	1049	1068	1072
		1.4001 - FLYWHEEL ASSY.									
		INCLUDES GEAR IN 1.4010. "C" INDICATES A CHAMFERED ASSY., "NC" IS NON-CHAMFERED.									
5A	8921740	FLYWHEEL ASSY. (SAE #2) (C)	1								
5A	8922607	FLYWHEEL ASSY. (SAE #3) (NC)		1							
5A	8923208	FLYWHEEL ASSY. (SAE #3) (NC)			1						
5B	5137449	FLYWHEEL ASSY. (SAE #1) (NC)				1					
5A	8924053	FLYWHEEL ASSY. (SAE #3) (NC)					1				
	8922974	FLYWHEEL ASSY. (SAE #3) (NC)						1			
	8925278	FLYWHEEL ASSY. (SAE #3) (NC)							1		
	23502311	FLYWHEEL ASSY. (SAE #3) (NC)								1	
	5126671	PLATE, SCUFF (BOLT RETAINER)	1	1	1	1	1	1	1	1	
	9409129	BOLT, 1/2"-20X1 3/4" AA LOCK (12.9001)						6		6	
5A	9409512	BOLT, 1/2"-20X2" AA LOCK		6			6				
5A	9412018	BOLT, 1/2"-20X2 1/4" AA LOCK	6		6	6			6		
		1.4010 - GEAR, FLYWHEEL RING									
	5116301	GEAR (SAE #3-126 TEETH)		1	1		1	1	1	1	
	5116302	GEAR (SAE #1-138 TEETH)	1			1					
		1.4040 - BEARING, CLUTCH PILOT									
	907084	BEARING (N.D. Z99507L1C) (8.1450)				1					
		1.4055 - CARRIER, FLYWHEEL PILOT BEARING									
	8923091	CARRIER				1					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				6					
	103321	LOCKWASHER, 3/8" (12.9200)				6					
		1.4080 - HUB, FLYWHEEL FLEXIBLE COUPLING									
	23046150	HUB, ADAPTOR									1
	6882685	ADAPTOR (1.5130)									1
	190149	BOLT, 3/8"-24X7/8" HEX SOC. HD. (12.9027)									12
	9423490	BOLT, 3/8"-16X2" (12.9001)									12
	9419871	LOCKWASHER, 3/8" (12.9200)									12
		1.4085 - PLATE, FLYWHEEL FLEXIBLE COUPLING									
	23046149	FLEXPLATE ASSY.									1
	23046151	PLATE, SCUFF									1
	23046427	BOLT, 1/2"-20X1 5/8" 12 PT. HD. (12.9005)									6
	9409056	BOLT, 1/2"-20X3/4" (12.9001)									6

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 175	177	178	181	183	185	186	193	195	196	198	199
		1.5001 - HOUSING ASSY., FLYWHEEL												
5A	5119355	@ HOUSING, (SAE #2) 2,3,4-53 (TYPE 357)		1										
5A	5119356	@ HOUSING (SAE #2) 2,3,4-53 (TYPE 360)									1		1	
5A	5119353	@ HOUSING, (SAE #3) 2,3,4-53 (TYPE 345)	1											
5A	5119354	@ HOUSING, (SAE #3) 2,3,4-53 (TYPE 344)					1							1
5A	5119351	# HOUSING, (SAE #4) 4-53			1			1						
5A	5119352	# HOUSING, (SAE #4) 3,4-53								1				
5A	5116060	@ HOUSING, (SAE #4) 2,3,4-53 (TYPE 330)										1		
5A	5124207	@ HOUSING, (SAE #4) 2,3,4-53 (TYPE 333)												
5A	5119430	@ HOUSING, (SAE #4) 2,3,4-53 (TYPE 342)							1					
10C	5121179	* HOUSING, 2-53				1								
	5124266	STUD (1/2"-13-20X2.8")				4								
5A,B	5145014	PLUG, 3/8" PIPE (12.9550)	1											1
5A,B	5115214	PLUG, 1/2 PIPE (12.9550)		1				1	1	1	1	1		
	9409126	& BOLT, 5/16 -18X2 1/2 (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	9409079	BOLT, 3/8 -16X7/8 (12.9001)	1	1	1	1	1		1	1	1	1	1	1
	5101779	BOLT, 3/8"-16X7/8" (12.9001)						1						
	179838	+ BOLT, 3/8 -16X7/8 (12.9001)	7	AR	5	5	5	5	5	5	AR	AR	5	5
	9414215	% BOLT, 3/8 -16X2 1/2 (12.9001)	4	4	4	4	4	4	4	4	4	4		4
5A,B	427588	BOLT, 3/8 -16X2 1/2 (12.9001)	6	6	6		6	6	6	6	6	6	6	6
5A,B	179850	BOLT, 3/8 -16X2 3/4 (12.9001)				6								
	5170491	BOLT, 3/8 -24X2 21/32 LOCK (12.9001)				3								
5A,B	5170489	BOLT, 3/8 -24X3 9/16 LOCK (12.9001)	3	3	3		3	3	3	3	3	3	3	3
5A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		@ NOT SERVICED, CONVERT TO TYPE SHOWN IN PARENTHESES.												
		# REQUIRES SPACER AND BOLT IN 1.7260.												
		& QUANTITY OF 6 REQUIRED WITH 2D-902, 3D-010, 4D-102. QUANTITY OF 2 REQUIRED EFFECTIVE WITH 2D-903, 3D-011, 4D-103.												
		+ USE A QUANTITY OF "5" FOR A TWO, "5" FOR A THREE AND "7" FOR A FOUR.												
		% EFFECTIVE WITH 2D-903, 3D-011, 4D-103.												
		* OBSOLETE												
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	= SHIM				1		1						
		= EFFECTIVE WITH UNIT 2D-465 FOR TYPE 181.												

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 175	177	178	181	183	185	186	193	195	196	198	199
		1.5010 - GASKET, FLYWHEEL HOUSING												
5A,B	**5121334**	GASKET, 2,3,4-53	1	1	1		1	1	1	1	1	1	1	1
	5121234	GASKET, 2-53				1								
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	**5122281**	COVER (PLAIN)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5150568**	WASHER, 7/16" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	**5104506**	GASKET	2	2	2		2	2	2	2	2	2	2	2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
5A,B	**5116411**	COVER	2	2	2		2	2	2	2	2	2	2	2
5A,B	**5155815**	COVER (TACHOMETER HOLE) (1.7490)				1								
5A,B	**9419648**	SCREW, 5/16"-18X3/4" SELF-TAP (12.9066)				2								
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	4	4	4		4	4	4	4	4	4	4	4
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	4	4	4	2	4	4	4	4	4	4	4	4
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
5A,B	**5116391**	GASKET	2	2	2		2	2	2	2	2	2	2	2
5A,B	**5135935**	GASKET (7.4455)				1								
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
5A,B	**5130995**	GASKET (7.3004)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
		1.5096 - HOSE, FLYWHEEL HOUSING DRAIN												
	5124238	* HOSE, 3/8" I.D. X 14" L. (1.1060)					1							
	5113689	* HOSE, 3/8" I.D. X 12" L.								1			1	
	5120998	ELBOW, HOSE CONNECTOR 90 DEG. (1.1100)					1			1			1	
	8924158	BUSHING, RED. (1/2"X3/8") (12.9570)								1			1	

* STD. LENGTH HOSE. CUT TO LENGTH SHOWN.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	204	205	207	208	209	211	212	213	216
		1.5001 - HOUSING ASSY., FLYWHEEL												
5A	**5125268**	* HOUSING, (SAE #2)4-53 (USE TYPE 359)	1											
5A	**5125269**	* HOUSING, (SAE #2) 2,3,4-53 (USE TYPE 312)					1							
5B	**5123717**	* HOUSING, (SAE #2)6V53(USE TYPE 361)									1			
5B	**5123718**	* HOUSING, (SAE #2)6V53(USE TYPE 340)										1		
5A	**5119431**	* HOUSING, (SAE #3)4-53(USE TYPE 349)		1										
5A	**5124965**	@ HOUSING, (SAE #3) 3-53				1								
5A	**5116062**	* HOUSING, (SAE #3) 2,3,4-53 (USE TYPE 328)						1						
5B	**5123719**	# HOUSING, (SAE #3) 6V53							1					
5A	**5126541**	* HOUSING, (SAE #3)4-53(USE TYPE 388)											1	
5A	**5116060**	* HOUSING, (SAE #4) 2,3,4-53 (USE TYPE 330)			1					1				
	5125652	HOUSING, (AUTOMOTIVE) 3,4-53												1
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)							1		1	1		
5A,B	**5145014**	PLUG, 3/8" PIPE (12.9550)		1		1							1	
5A,B	**5115214**	PLUG, 1/2" PIPE (12.9550)			1		1	1	1	1	1	1		
	9409126	& BOLT, 5/16"-18X2 1/2" (12.9001)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	9409079	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1	1	1	1		1			1	
	179838	% BOLT, 3/8"-16X7/8" (12.9001)	AR	AR	AR	AR	AR	AR		AR			AR	AR
	9414215	+ BOLT, 3/8"-16X2 1/2" (12.9001)	4	4		4	4	4	4	4	4	4	4	4
5A,B	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)	6	6	6	6	6	6	8	6	8	8	6	
5A,B	**179850**	BOLT, 3/8"-16X2 3/4" (12.9001)									2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)							6		6	6		
	5170491	BOLT, 3/8"-24X2 21/32" LOCK (12.9001)												3
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)							2		2	2		
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)							2		2	2		
A,B	**5170489**	BOLT, 3/8"-24X3 9/16" LOCK (12.9001)	3	3	3	3	3	3		3			3	
5A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)							2		2	2		

* NOT SERVICED, CONVERT TO TYPE SHOWN IN PARENTHESES.
@ NOT SERVICED, REPLACE WITH 5132259 AND INCLUDE 1-5123803 SHIM.
REQUIRES SPACER AND BOLT IN 1.7260.
& QUANTITY OF "6" REQUIRED WITH 2D-902, 3D-010, 4D-102. QUANTITY OF "2" REQUIRED EFFECTIVE WITH 2D-903, 3D- 011, 4D-103.
% USE "5" FOR A TWO, "5" FOR A THREE, AND "7" FOR A FOUR.
+ EFFECTIVE WITH 2D-903, 3D-011, 4D-103.

		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	SHIM							1					1

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	204	205	207	208	209	211	212	213	216
		1.5010 - GASKET, FLYWHEEL HOUSING												
5A,B	**5121334**	GASKET, 2,3,4-53	1	1	1	1	1	1		1			1	1
5A,B	**5137470**	GASKET, 6V53							1		1	1		
	5175882	GASKET, (7/8" DIA.) 6,8V53(4.4115)							1		1	1		
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	**5122281**	COVER (PLAIN)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5150568**	WASHER, 7/16" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	**5104506**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
5A,B	**5116411**	COVER	2	2	2	2	2	2	1	2			2	
5A,B	**5155815**	COVER (TACHOMETER HOLE) (1.7490)												1
5A,B	**5152716**	* COVER (3.4223)							2 AR		2 AR	2 AR		
	5130992	@ PLUG, CUP (3.4223)												
5A,B	**9419648**	SCREW, 5/16"-18X3/4" SELF-TAP (12.9066)												2
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	4	4	4	4	4	4	6	4	6	6	4	2
	446202	WASHER, 5/16" COPPER (12.9190)												
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	6	4	6	6	4	
		* QUANTITY OF ONE FOR MARINE UNITS.												
		@ NOT SERVICED, REPLACE WITH COVER, GASKETS AND BOLTS.												
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
5A,B	**5116391**	GASKET	2	2	2	2	2	2	1	2			2	
5A,B	**5135935**	GASKET (7.4455)												1
5A,B	**5150193**	* GASKET (5.1010)							2		2	2		
		* QUANTITY OF ONE FOR MARINE UNITS.												
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
5A,B	**5130995**	GASKET (7.3004)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 201	202	203	204	205	207	208	209	211	212	213	216
	1.5080	**- COVER, FLYWHEEL HOUSING INSPECTION HOLE**												
	5125233	COVER												
	181309	BOLT, 1/4"-28X1/2" (12.9001)				244								
	103319	LOCKWASHER, 1/4" (12.9200)												

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 227	237	238	241	245	246	252	253	254	263	264	267
		1.5001 - HOUSING ASSY., FLYWHEEL												
5B	5123720	* HOUSING, (SAE #3) 6V53 (TYPE 350)	1											
5A	5108391	* HOUSING, (SAE #3) 3,4-53 (TYPE 375)		1										
5A	5121460	@ HOUSING, (SAE #1) 6V53 (5132249)			1									
5B	5108946	* HOUSING, (SAE #1) 6V53 (TYPE 363)				1								
5A	5111760	# HOUSING, (SAE #2) 3,4-53					1							
5B	5108802	* HOUSING, (SAE #2) 6V53 (TYPE 393)						1						
5B	5109102	* HOUSING, (SAE #2) 6V53 (TYPE 358)							1					
5A	5111706	# HOUSING, (AUTOMOTIVE) 4-53								1				
5B	5173777	* HOUSING, (SAE #3) 6V53 (TYPE 337)									1			
5A	5130646	* HOUSING, (SAE #3) 3,4-53 (TYPE 348)										1		
5A	5130727	* HOUSING, (SAE #3) 3,4-53 (TYPE 343)											1	
5A	5173789	* HOUSING (SAE #3) 4-53 (TYPE 351)												1
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)	1		1	1		1	1		1			
5A,B	5145014	PLUG, 3/8" PIPE (12.9550)		1								1	1	1
5A,B	5115214	PLUG, 1/2" PIPE (12.9550)	1		1	1			1		1			
5A,B	5111798	PLUG, 1" SQ. SKT. (12.9550)											1	
5A,B	5146646	PLUG, 1 1/4" PIPE (12.9550)							1					
5A,B	9409126	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2	2		2	2	2	2	2	2	2
	179838	& BOLT, 3/8"-16X7/8" (12.9001)		AR			AR			AR		AR	AR	AR
	9409079	BOLT, 3/8"-16X7/8" (12.9001)		1								1	1	1
5A,B	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	8	6	8	8	6	8	8		8	6	6	6
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2		2	2		2	2	6	2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	6		6	6		6	6		6		6	
	5170491	BOLT, 3/8"-24X2 21/32" LOCK (12.9001)								3				
	5170492	BOLT, 3/8"-24X2 29/32" LOCK (12.9001)					3							
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)	2		2	2		2	2		2			
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)	2		2	2		2	2		2			
	5170489	BOLT, 3/8"-24X3 9/16" LOCK (12.9001)		3								3	3	3
5A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)	2		2	2		2	2		2			
		* NOT SERVICED; CONVERT TO TYPE SHOWN IN PARENTHESES.												
		@ NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 5123802 SHIM.												
		# OBSOLETE.												
		& USE "5" FOR A THREE AND "7" FOR A FOUR.												
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	SHIM					1			1				
		1.5010 - GASKET, FLYWHEEL HOUSING												
5A,B	5137470	GASKET, 6V53	1		1	1		1	1		1			
	5175882	GASKET (7/8" DIA.) 6,8V53 (4.4115)	1		1	1		1	1		1			
5A,B	5121334	GASKET, 2,3,4-53		1			1					1	1	1

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 227	237	238	241	245	246	252	253	254	263	264	267
		1.5010 - GASKET, FLYWHEEL HOUSING (CONT'D)												
5A,B	**5109650**	GASKET, 4-53								1				
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	**5122281**	COVER	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5150568**	WASHER, 7/16" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	**5104506**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
5A,B	**5152716**	COVER (3.4223)	2					2	2		2			
5A,B	**5116411**	COVER		2								2	2	2
5A,B	**5155815**	COVER (TACHOMETER HOLE) (1.7490)								1				
	5130992	* PLUG, CUP (3.4223)	AR						AR		AR			
5A,B	**9419648**	SCREW, 5/16"-18X3/4" (12.9066)								2				
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	6	4				6	6		6	4	4	4
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	6	AR				6	6	1	6	AR	4	AR
		* NOT SERVICED, REPLACE WITH COVER, GASKET AND BOLTS.												
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
5A,B	**5150193**	GASKET (5.1010)	2					2	2		2			
5A,B	**5116391**	GASKET		2								2	2	2
5A,B	**5135935**	GASKET (7.4455)								1				
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
5A,B	**5130995**	GASKET (7.3004)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5080 - COVER, FLYWHEEL HOUSING INSPECTION HOLE												
	5125233	COVER		2										
	5108939	COVER				2					2	2		2
	181309	BOLT, 1/4"-28X1/2" (12.9001)		4		4					4	4		4

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 227	237	238	241	245	246	252	253	254	263	264	267
	1.5080	**- COVER, FLYWHEEL HOUSING INSPECTION HOLE (CONT'D)**												
	103319	LOCKWASHER, 1/4" (12.9200)		4		4					4	4		4

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 280	281	288	290	301	303	306	310	311	312	314
		1.5001 - HOUSING ASSY., FLYWHEEL											
5A	5132014	* HOUSING, (SAE #3) 4-53 TYPE 380	1										
5A	5119353	* HOUSING, (SAE #3) 4-53 TYPE 345		1									
5A	5132554	@ HOUSING, (SAE #3) 4-53 (5132579)			1								
5A	5121460	@ HOUSING, (SAE #1) 6V53 (5132249)				1							
5A	5132965	HOUSING, (SAE #3) 3,4-53					1						
5A	5133141	* HOUSING, (SAE #2) 4-53 TYPE 357						1					
5A	5133471	HOUSING, (SAE #3) 4-53							1				
5B	5123720	* HOUSING, (SAE #3) 6V53 TYPE 350								1			
5A	5119352	# HOUSING, (SAE #4) 3-53									1		
5A	5132256	HOUSING, (SAE #2) 2,3,4-53										1	
5B	5132252	HOUSING, (SAE #3) 6V53											1
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)				1				1			1
5A,B	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1		1		1				
5A,B	5115214	PLUG, 1/2" PIPE (12.9550)				1		1		1	1	1	1
5A,B	9409126	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)	AR	AR	AR		AR	AR	AR		AR	AR	
	5101779	BOLT, 3/8"-16X7/8" (12.9001)										1	
	9409079	BOLT, 3/8"-16X7/8" (12.9001)	1	1	1		1	1	1		1		
5A,B	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)	4	4	4	4	4	4	4	4	4	4	4
5A,B	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	6	6	6	8	6	6	6	8	6	6	8
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				2				2			2
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)				6				6			6
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)				2				2			2
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)				2				2			2
	5170489	BOLT, 3/8"-24X3 9/16" LOCK (12.9001)	3	3	3	3	3	3	3		3	3	
5A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)				2				2			2
		* NOT SERVICED; CONVERT TO TYPE SHOWN IN PARENTHESES.											
		@ NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS 1-5123802 SHIM.											
		# REQUIRES SPACER AND BOLT IN 1.7260.											
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE											
	5123802	SHIM							1		1	1	
		1.5010 - GASKET, FLYWHEEL HOUSING											
5A,B	5137470	GASKET, 6V53				1				1			1
	5175882	GASKET (7/8" DIA.) 6,8V53 (4.4115)				1				1			1
5A,B	5121334	GASKET, 2,3,4-53	1	1	1		1	1	1		1	1	
		1.5020 - GASKET, FLYWHEEL HOUSING BELL											
	5127184	GASKET, 4,6V53		1						1			1
	5108426	GASKET, 6V53 (1.5135)				1							
	5133899	GASKET, 3-53									1		

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 280	281	288	290	301	303	306	310	311	312	314
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE											
5A,B	**5122281**	COVER	2	2	2	2	2	2	2	2	2	2	2
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5150568**	WASHER, 7/16" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	2
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER											
5A,B	**5104506**	GASKET	2	2	2	2	2	2	2	2	2	2	2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE											
5A,B	**5116411**	COVER	2	2	2	AR	2	2	2	AR	2	2	AR
	5130992	* PLUG, CUP (3.4223)											
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	4	4	4		4	4	4		4	4	
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR		AR	AR	AR		4	AR	
		* NOT SERVICED, REPLACE WITH COVER, GASKET AND BOLTS.											
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER											
5A,B	**5116391**	GASKET	2	2	2		2	2	2		2	2	
		1.5075 - GASKET, STARTING MOTOR HOLE COVER											
5A,B	**5130995**	GASKET (7.3004)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5080 - COVER, FLYWHEEL HOUSING INSPECTION HOLE											
	5125233	COVER	2										
	181309	BOLT, 1/4"-28X1/2" (12.9001)	4										
	103319	LOCKWASHER, 1/4" (12.9200)	4										

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1.5000A FLYWHEEL, HOUSING

1.5001 - HOUSING ASSY., FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	317	321	322	325	326	327	328	330	331	333	334
5B	5135608	HOUSING, (SAE #2) 8V53	1											
5A	5135024	* HOUSING, (SAE #2) 6V53 (TYPE 327)		1										
5A	5119355	* HOUSING, (SAE #2) 4-53 (TYPE 357)			1									
5B	5132282	HOUSING, (SAE #2) 6V53				1								
5B	5101505	HOUSING, (SAE #3) 6V53 (ALUM.)					1	1						
5B	5134099	HOUSING, (SAE #2) 6V53							1					
5A	5132258	HOUSING, (SAE #3) 2,3,4-53								1				
5A	5132263	HOUSING, (SAE #4) 2,3,4-53									1			
5B	5132249	HOUSING, (SAE #1) 6V53										1		
5A	5132265	HOUSING, (SAE #4) 2,3,4-53											1	
5B	5135787	HOUSING, (SAE #2) 8V53												1
	444044	ELBOW, 1/2"-90 DEG. STREET (12.9590)										1		
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9590)										1		
	452696	INSERT, HELICOIL 3/8"-16X3/4" (12.9118)					10	10						
	452736	INSERT, HELICOIL 1/2"-14X3/4" (12.9118)					4	4						
	5123802	SHIM, IDLER PAD (1.5002)					1	1						
	5164294	SPACER, 1/8" (7.1581)					2							
5A,B	5145014	PLUG, 3/8" PIPE (12.9550)								1				
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1	1		1		1	1
	141195	PIN, 1/4"X5/8" DOWEL (12.9280)		1		1	1	1	1			1		
5A,B	9409126	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)			5					5	5		5	
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)			1					1				
	5101779	BOLT, 3/8"-16X7/8" (12.9001)									1		1	
5A,B	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)	4	4	4	4	4		4	4	4	4	4	4
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		8	6	8	8		8	6	6	8	6	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	8	2		2		8	2			2		8
	9409071	BOLT, 3/8"-16X2 3/4" (12.9001)						4						
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	3	3										3
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	6	6		6	8		6			6		6
	272473	BOLT, 3/8"-16X3 7/8" (12.9001)						1						
	455537	BOLT, 3/8"-16X4" (12.9001)	2	1			1	7						2
	192884	BOLT, 3/8"-16X6 3/4" (12.9001)	2											2
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)	2	2		2	2	2	2			2		2
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)	2	2		2	2	2	2			2		2
	5170489	BOLT, 3/8"-24X3 9/16" LOCK (12.9001)			3					3	3		3	
	9425364	BOLT, 3/8"-24X4 1/2" (12.9001)						1						
	103341	WASHER, 3/8" (12.9490)	1	25			25	25						1
	120393	WASHER, 5/16" PLAIN CAD. (12.9190)					2	2						
5A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 (12.9120)					1							
	117049	NUT, 3/8"-24 (12.9120)	2	2		2	2	2	2			2		2

* NOT SERVICED; CONVERT TO TYPE SHOWN IN PARENTHESES.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	317	321	322	325	326	327	328	330	331	333	334
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	SHIM	1			1			1	1	1		1	
		1.5004 - SEAL, CRANKSHAFT OIL SEAL - REAR												
	5116229	SEAL (1.3060)					1							
		1.5010 - GASKET, FLYWHEEL HOUSING												
5A,B	**5132947**	GASKET, 8V53	1											1
	5175882	GASKET, (7/8" DIA.) 6,8V53 (4.4115)			1	1	1	1	1			1		1
5A,B	**5137470**	GASKET, 6V53		1		1	1	1	1			1		
5A,B	**5121334**	GASKET, 2,3,4-53			1					1	1		1	
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5134188	GASKET, 6,8V53			1	1								
	5108426	GASKET, 6V53 (1.5135)										1		
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	**5122281**	COVER	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5150568**	WASHER, 7/16" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	2	2
	5125108	WASHER, 7/16"X3/4" (2.4030)					2							
	106264	WASHER, 1/2" BRASS (12.9190)	8											
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)		8	8	8	8	8	8	8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	**5104506**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
	5133210	COVER (BLOWER DRIVE HOLE)	1											1
5A,B	**5152716**	COVER (3.4223)	AR	AR		AR	AR	AR	AR		AR	AR		AR
5A,B	**5116411**	* COVER			AR					AR	AR		AR	
	5130992	@ PLUG, CUP (3.4223)	AR	AR		AR			AR			AR		AR
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	AR	AR	2	AR	AR	AR	6	AR	AR	AR	2	AR
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	4											4
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	1											1
	103341	WASHER, 3/8" (12.9190)	1											1
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

* USE "2" FOR A TWO, "2" FOR A THREE, AND "1" FOR A FOUR.

@ NOT SERVICED; REPLACE WITH (1) 5152716 COVER, (3) 186625 BOLTS, (3) 103320 LOCK WASHERS, (1) 5150193 GASK ET.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	317	321	322	325	326	327	328	330	331	333	334
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
	5133082	GASKET (BLOWER DRIVE HOLE COVER)	1											1
5A,B	**5150193**	GASKET (5.1010)	AR	AR		AR	AR	AR	AR			AR		AR
5A,B	**5116391**	GASKET			2					2	2		2	
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
5A,B	**5130995**	GASKET (7.3004)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 337	338	339	340	342	343	344	345	346	347	348	349
		1.5001 - HOUSING ASSY., FLYWHEEL												
5B	**5132267**	HOUSING, (SAE #3) 6V53	1											
5B	**5135310**	HOUSING, (SAE #1) 6V53		1										
5A	**5132965**	HOUSING, (SAE #3) 2,3,4-53			1					1		1		
5B	**5132282**	HOUSING, (SAE #2) 6V53				1								
5A	**5132264**	HOUSING, (SAE #4) 3-53					1							
5A	**5132246**	* HOUSING, (SAE #3) 2,3-53						1	1		1			
5A	**5132269**	HOUSING, (SAE #3) 6V53											1	
5A	**8924582**	HOUSING, (SAE #3) 2,3,4-53												1
5A,B	**5145014**	PLUG, 3/8" PIPE (12.9550)			1			1	1	1	1	1		1
	5115214	PLUG, 1/2" PIPE (12.9550)	1			1	1							1
	5142549	PLUG, 3/4" PIPE (12.9550)		1										
5A,B	**5111798**	PLUG, 1" SQ. SKT. (12.9550)						1						
5A,B	**5146646**	PLUG, 1 1/4" PIPE (12.9550)			1			1						
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)	1	1		1								
5A,B	**9409126**	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)	1			1					1	1		
	5101779	BOLT, 3/8"-16X7/8" LOCK (12.9001)			1		1			2			1	1
	179838	BOLT, 3/8"-16X7/8" (12.9001)								7				
5A,B	**9414215**	BOLT, 3/8"-16X2 1/2" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	8	8	6	8	6	6	6	6	6	6	6	6
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2	2		2								
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	6	6		6							6	
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)	2	2		2								
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)	2	2		2								
	5170489	BOLT, 3/8"-24X3 9/16" LOCK (12.9001)			3		3	3	3	3	3	3	3	3
5A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)	2	2		2								
		* NOT SERVICED; USE 5146903 PLUS (1) 5145014, (1) 5142549, (1) 5146646 PLUGS.												
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	SHIM	1	1	1	1	1	1	1	1	1	1	1	1
		1.5010 - GASKET, FLYWHEEL HOUSING												
	5175882	GASKET, 7/8" DIA. 6, 8V53 (4.4115)	1	1		1							1	
5A,B	**5137470**	GASKET, 6V53	1	1		1								
5A,B	**5121334**	GASKET, 2,3,4-53			1		1	1	1	1	1	1	1	1
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5108426	GASKET, 6V53 (1.5135)		1										
	5127184	GASKET, 4-53									1	1		

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 337	338	339	340	342	343	344	345	346	347	348	349
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	**5122281**	COVER	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5150568**	WASHER, 7/16" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	**5104506**	GASKET	2	2	2	2	2	2	2	2	2	2	2	1
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
5A,B	**5152716**	COVER (3.4223)	AR	AR		AR								
5A,B	**5116411**	* COVER			1		2	2	1	1	1	1	1	AR
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	AR	AR	2	AR	4	4	2	2	2	2	2	AR
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	4	AR	4	4	4	4	4	4	4	4
		* USE "2" FOR A TWO, "2" FOR A THREE, AND "1" FOR A FOUR.												
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
5A,B	**5150193**	GASKET (5.1010)	AR	AR		AR								
5A,B	**5116391**	GASKET			2		2	2	2	2	2	2	2	2
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
5A,B	**5130995**	GASKET (7.3004)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR
		1.5080 - COVER, FLYWHEEL HOUSING INSPECTION HOLE												
	5108939	COVER	2										2	
	181309	BOLT, 1/4"-28X1/2" (12.9001)	4										4	
	120392	WASHER, 9/32"X5/8" ZINC (12.9190)	4										4	
	120380	LOCKWASHER, 1/4" (12.9200)	4										4	

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	351	354	356	357	358	359	360	361	363	365	371
		1.5001 - HOUSING ASSY., FLYWHEEL												
		FOR TYPE 368 AND 369 USE TYPE 208.												
5B	**5132252**	HOUSING, (SAE #3) 6V53	1											
5A	**5132268**	HOUSING, (SAE #3) 4-53		1										
5B	**5135961**	* HOUSING, (SAE #2) 8V53			1									
5A	**5136248**	HOUSING, (SAE #3) 3-53				1								
5A	**5132247**	HOUSING, (SAE #2) 2,3,4-53					1							
5B	**5132282**	HOUSING, (SAE #2) 6V53						1						
5A	**5132255**	HOUSING, (SAE #2) 2,3,4-53							1					
5A	**5132248**	HOUSING, (SAE #2) 2,3,4-53								1				
5B	**5132251**	HOUSING, (SAE #2) 6V53									1			
5B	**5132266**	HOUSING, (SAE #1) 6V53										1		
5B	**5133931**	HOUSING, (SAE #3) 8V53											1	
5B	**5140107**	HOUSING, (SAE #1) 8V53												1
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)	1					1			1	1		
5A,B	**5145014**	PLUG, 3/8" PIPE (12.9550)				1								
5A,B	**5115214**	PLUG, 1/2" PIPE (12.9550)	1		1		1	1	1	1	1	1	1	1
5A,B	**5146646**	PLUG, 1 1/4" PIPE (12.9550)						1						
5A,B	**9409126**	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	9409079	BOLT, 3/8"-16X7/8" (LOCK) (12.9001)				1								
	5101779	BOLT, 3/8"-16X7/8" (LOCK) (12.9001)		1			1		1	1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)				5	5		5	5				
5A,B	**9414215**	BOLT, 3/8"-16X2 1/2" (LOCK) (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)	8	6		6	6	8	6	6	8	8		
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2		8			2			2	2	8	10
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			3								3	3
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	6		6			6			6	6	6	6
	455537	BOLT, 3/8"-16X4" (12.9001)			2								2	2
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)			2								2	
5A,B	**192884**	BOLT, 3/8"-16X6 3/4" (12.9001)			2									
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)	2		2			2			2	2	2	2
	186310	BOLT, 3/8"-24X3 1/4" (12.9001)	2		2			2			2	2	2	2
	5170489	BOLT, 3/8"-24X3 9/16" (12.9001)		3		3	3		3	3				
5A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103341	WASHER, 3/8" (12.9190)			AR								AR	AR
	117049	NUT, 3/8"-24 (12.9120)	2		2			2			2	2	2	2
		* OBSOLETE												
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	SHIM	1	1	1	1	1	1	1	1	1	1	1	1
		1.5010 - GASKET, FLYWHEEL HOUSING												
5A,B	**5132947**	GASKET, 8V53			1								1	1
5A,B	**5137470**	GASKET, 6V53	1				1			1	1			
5A,B	**5121334**	GASKET, 2,3,4-53		1		1	1		1	1				

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	351	354	356	357	358	359	360	361	363	365	371
		1.5010 - GASKET, FLYWHEEL HOUSING (CONT'D)												
	5175882	GASKET, 7/8" DIA. 6, 8V53 (4.4115)	1		1			1			1	1	1	1
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	**5122281**	COVER (PLAIN)	2	2	2	2	2	2	2	2	2	2	2	2
	5135572	COVER												2
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	10
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5125108**	WASHER, 7/16" COPPER (2.4050)	2	2	2	2	2	2	2	2	2	2	2	10
	103343	WASHER, 1/2" (12.9190)	1		8								8	8
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8		8	8	8	8	8	8	8		
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	**5104506**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
	5135600	GASKET												2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
5A,B	**5116411**	COVER		2		2	2			2				
	5133210	COVER (BLOWER DRIVE HOLE)			1								1	1
5A,B	**5152716**	COVER (3.4223)	2		2			2			2	2		
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	6	4	6	4	4	6	4	4	6	6		
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)			4								4	4
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)			1								1	1
	103341	WASHER, 3/8" (12.9190)			1								1	1
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	6	4	10	4	4	6	4	4	6	6	10	10
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
5A,B	**5150193**	GASKET (5.1010)	2		2			2			2	2		
5A,B	**5116391**	GASKET (5.1010)		2		2	2		2	2				
	5133082	GASKET (BLOWER DRIVE HOLE COVER)			1								1	1
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
5A,B	**5130995**	GASKET (7.3004)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5080 - COVER, FLYWHEEL HOUSING INSPECTION HOLE												
	5108939	COVER		2								2		
	181309	BOLT, 1/4"-28X1/2" (12.9001)		4								4		
	120380	LOCKWASHER, 1/4" (12.9200)		4								4		
	120392	WASHER, 9/32"X5/8" ZINC (12.9190)		4								4		

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	376	378	379	380	381	384	386	387	388	389
		1.5001 - HOUSING ASSY., FLYWHEEL												
5B	**5137293**	HOUSING, (SAE #3) 6V53	1											
5A	**8924580**	HOUSING, (SAE #3) 3-53		1										
5A	**5136997**	HOUSING, (SAE #3) 3-53			1									
5A	**5132247**	HOUSING, (SAE #2) 3-53				1				1				
5A	**5132246**	* HOUSING, (SAE #3) 2-53					1							
5A	**5132261**	HOUSING, (SAE #3) 3,4-53						1						
5B	**5135608**	HOUSING, (SAE #2) 8V53							1					
5A	**5136769**	+ HOUSING, (SAE #3) 3-53									1			
5B	**5132249**	@ HOUSING, (SAE #1) 6V53										1		
5A	**5132773**	HOUSING, (SAE #3) 3-53											1	1
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)	1									1		
5A,B	**5145014**	PLUG, 3/8" PIPE (12.9550)		1	1			1					1	1
5A,B	**5115214**	PLUG, 1/2" PIPE (12.9550)	1						1			1		
5A,B	**5146646**	PLUG, 1 1/4" PIPE (12.9550)	1											
5A,B	**9409126**	BOLT, 5/16"-18X2 1/2" (12.9001)	2	1	2	2	2	2	2	2	2	2	2	2
	9409079	BOLT, 3/8"-16X7/8" (LOCK) (12.9001)		2			1			1	1			1
	5101779	BOLT, 3/8"-16X7/8" (LOCK) (12.9001)			1			1					1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)		5	5	5	5	5		5	5		5	5
5A,B	**9414215**	BOLT, 3/8"-16X2 1/2" (LOCK) (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
5A,B	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)	8	6	6	6	6			6	6	8	6	6
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2						8			2		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							3					
5A,B	**191249**	BOLT, 3/8"-16X3 3/4" (12.9001)	6						4			6		
5A,B	**455537**	BOLT, 3/8"-16X4" (12.9001)							4					
5A,B	**192884**	BOLT, 3/8"-16X6 3/4" (12.9001)							2					
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)	2			2			2					
	186310	BOLT, 3/8"-24X3 1/4" (12.9001)	2			2			2					
	5170489	BOLT, 3/8"-24X3 9/16" (12.9001)		3	3	3	3	3		3			3	3
5A,B	**5135321**	BOLT, 3/8"-24X3 11/16"									3			
5A,B	**120393**	WASHER, 5/16" (12.9190)									2		2	
	103341	WASHER, 3/8" (12.9190)							13		13		13	
5A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)	2						2			2		
		* NOT SERVICED, REPLACE WITH 5146903 HOUSING, PLUS 1-5145014, 1-5142549 AND 1-5146646 PLUGS.												
		@ INCLUDES INTEGRAL IDLER GEAR HOLE SPACER IN 1.7260 EFFECTIVE WITH 3D-54115.												
		+ OBSOLETE.												
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	SHIM	1	1				1	1			1	1	
		1.5010 - GASKET, FLYWHEEL HOUSING												
5A,B	**5132947**	GASKET, 8V53							1					
5A,B	**5137470**	GASKET, 6V53	1									1		
5A,B	**5121334**	GASKET, 2,3,4-53	1	1	1	1	1	1		1	1		1	1

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	376	378	379	380	381	384	386	387	388	389
		1.5010 - GASKET, FLYWHEEL HOUSING (CONT'D)												
	5175882	GASKET, (7/8" DIA.) 6,8V53 (4.4115)	1						1			1		
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5108426	GASKET, 6V53										1		
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	**5122281**	COVER (PLAIN)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**5132184**	COVER	1									1		
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5150568**	WASHER, 7/16" COPPER (2.4050)	2	2	2	2	2	2		2	2	2	2	2
5A,B	**5125108**	WASHER, 7/16" STEEL (2.4030)							2					
	103343	WASHER, 1/2" (12.9190)							8					
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8		8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	**5104506**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
5A,B	**5116411**	COVER		2	2	2	2	2		2			2	
5A,B	**5152716**	COVER (3.4223)	2									2		
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	6	4	4	4	4	4		4		6	4	4
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)							4					
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)							1					
	103341	WASHER, 3/8" (12.9190)							1					
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	6	4	4	4	4	4	10	4		6	4	4
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
5A,B	**5150193**	GASKET (5.1010)	2									2		
5A,B	**5116391**	GASKET (5.1010)		2	2	2	2	2		2			2	2
		1.5075 - GASKET, STARTING MOTOR HOLE COVER												
5A,B	**5130995**	GASKET (7.3004)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 374	375	376	378	379	380	381	384	386	387	388	389
	1.5080	**- COVER, FLYWHEEL HOUSING INSPECTION HOLE**												
	5125233	COVER		2				2						
	181309	BOLT, 1/4"-28X1/2" (12.9001)		4				4						
	120380	LOCKWASHER, 1/4" (12.9200)		4				4						
	1.5096	**- HOSE, FLYWHEEL HOUSING DRAIN**												
	5124238	HOSE, 3/8"I.D.X50"L. (1.1060)					1							
	5120998	CONNECTOR, 3/8"-90 DEG. HOSE (1.1100)				1	1			1				
	8924158	BUSHING, 1/2" X 3/8" (12.9570)				1				1				

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1.5000A FLYWHEEL, HOUSING

1.5001 - HOUSING ASSY., FLYWHEEL

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	396	397	399	404	405	406	407	410	412	415
5A	5198474	# HOUSING, (SAE #3) 4-53	1											
5B	5132270	HOUSING, (SAE #2) 6V53		1										
5A	5138568	= HOUSING, (SAE #3) 6V53 (SD-113)			1									
5B	5138882	HOUSING, (SAE #2) 6V53				1								
5A	5132247	HOUSING, (SAE #2) 4-53					1							
5A	5139315	HOUSING, (SAE #3) 4-53						1						
5B	5139154	HOUSING, (SAE #2) 6V53							1					
5A	5119351	HOUSING, (SAE #4) 2-53								1				
5A	5139568	HOUSING, (SAE #3) 3-53									1			
5A	5132259	HOUSING, (SAE #3) 3-53										1		
5B	5140393	HOUSING, (SAE #3) 6V53											1	
5A	5139908	* HOUSING, (SAE #3) 3-53												1
	5116220	SPACER (1.7260)								1				
	452664	INSERT, 5/16"-18X5/16" (12.9118)									6			
	452692	INSERT, 3/8"-16X9/16" (12.9118)									3			
	452696	INSERT, 3/8"-16X3/4" (12.9118)									10			
	452788	INSERT, 5/8"-11X15/16" (12.9118)									3			
	5145014	PLUG, 3/8" PIPE (12.9550)	1					1				1		1
	5115214	PLUG, 1/2" PIPE (12.9550)			1	1	1		1	1			1	
	5103187	PLUG, 3/4" PIPE (12.9550)	1											
	5146646	PLUG, 1 1/4" PIPE (12.9550)	1					1						
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)		1	1	1			1			1		
5A,B	9409126	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)	5				7	7		4	6	5		5
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)	1					1		1				1
	5101779	BOLT, 3/8"-16X7/8" LOCK (12.9001)					1					1		
	179839	BOLT, 3/8"-16X1" (12.9001)									6			
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)								1				
5A,B	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	6	8	8	8	6		6	6	6	6	8	6
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		2	2	2			2				2	
	179851	BOLT, 3/8"-16X3" (12.9001)									6			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)		6	6	6			6				6	
	5170491	BOLT, 3/8"-24X2 21/32" LOCK (12.9001)									3			
	5170489	BOLT, 3/8"-24X3 9/16" (12.9001)	3				3	3		3				3
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)		2	2	2			2				2	
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)		2	2	2			2				2	
	120393	WASHER, 5/16" (12.9190)									2			
	103341	WASHER, 3/8" (12.9190)									AR			
5A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)		2	2	2			2				2	

NOT SERVICED; SUPERSEDED BY 5146903 PLUS (1) 5145014, (1) 5142549 AND (1) 5146646 PLUGS.
* OBSOLETE
= NOT SERVICED, USE 5123719, 5116220 AND 5157244.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	396	397	399	404	405	406	407	410	412	415
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	*SHIM*	1	1	1	1	1	1	1	1	1	1	1	1
		1.5004 - SEAL, CRANKSHAFT OIL SEAL - REAR												
	5116229	SEAL (1.3060)									1			
		1.5010 - GASKET, FLYWHEEL HOUSING												
	5175882	GASKET, (7/8" DIA.) 6,8V53 (4.4115)		1	1	1			1				1	
5A,B	**5137470**	GASKET, 6V53		1	1	1			1				1	
	5121334	GASKET, 2,3,4-53	1				1	1		1	1	1		1
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5134188	GASKET, 4-53					1							
	5133899	GASKET, 2-53								1				
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	**5122281**	COVER	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	**122408**	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
5A,B	**5150568**	WASHER, 7/16" COPPER (2.4050)	2		2	2	2	2	2	2	2	2	2	2
5A,B	**103323**	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	**5104506**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
	5116411	COVER	2							2				
5A,B	**5152716**	COVER (3.4223)		2							1			
	5155815	COVER (TACHOMETER HOLE) (1.7490)									1			
	5130992	# PLUG, CUP (3.4223)			2	2								
	9419648	SCREW, 5/16"-18X3/4" SELF-TAP (12.9066)									2			
	179816	BOLT, 5/16"-18X1 5/16" (12.9001)									2			
5A,B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	4	6						4	3			
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR						AR	AR			
		# *NOT SERVICED; REPLACE WITH* 2-5152716 COVERS, 2-5150193 GASKETS, 6-186625 BOLTS AND 6-103320 LOCKWASHERS.												
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
5A,B	**5150193**	GASKET (5.1010)		2							1			
	5116391	GASKET	2							2				
	5135935	GASKET (TACHOMETER COVER) (1.4455)									1			

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	396	397	399	404	405	406	407	410	412	415
	1.5075	**- GASKET, STARTING MOTOR HOLE COVER**												
	5130995	GASKET (7.3004)	AR											
	1.5080	**- COVER, FLYWHEEL HOUSING INSPECTION HOLE**												
	5108939	COVER			2								2	
	5125233	COVER										2		
	181309	BOLT, 1/4"-28X1/2" (12.9001)			4							4	4	
	103319	LOCKWASHER, 1/4" (12.9200)			4							4	4	

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 416	424	426	431	433	446	447	451	454	467	470	489
		1.5001 - HOUSING ASSY., FLYWHEEL												
5A	5140558	HOUSING, (AUTOMOTIVE) 3,4-53	1											
5A	5137813	# HOUSING (SAE #3) 4-53		1										
5B	5136838	+ HOUSING, (SAE #3) 8V53			1									
5B	5140370	HOUSING (SAE #2) 6V53				1								
5A	5132247	HOUSING (SAE #2) 4-53					1							
5A	5142479	+ HOUSING, (SAE #3) 4-53						1						
5B	5141887	HOUSING, (SAE #2) 8V53							1					
5B	5143807	HOUSING, (SAE #3) 8V53								1				
5A	5142630	HOUSING, (SAE #2) 4-53									1			
5A	5145038	HOUSING, (SAE #2) 4-53										1		
5A	5144952	HOUSING, (SAE #3) 3-53											1	
5A	8924510	HOUSING, (SAE #3) 2-53												1
	452664	INSERT, 5/16"-18X5/16" (12.9118)			4									
	452692	INSERT, 3/8"-16X9/16" (12.9118)			12									
	452720	INSERT, 7/16"-14X7/8" (12.9118)			2									
	452736	INSERT, 1/2"-13X3/4" (12.9118)			16									
	452788	INSERT, 5/8"-11X15/16" (12.9118)			3									
	5145014	PLUG, 3/8" PIPE (12.9550)						1					1	
	5115214	PLUG, 1/2" PIPE (12.9550)			1	1	1		1	1		1		1
	5142549	PLUG, 3/4" PIPE (12.9550)									1			
	5111798	PLUG, 1" PIPE (2.7001)											1	1
	5146646	PLUG, 1 1/4" PIPE (12.9550)												
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)			1	1								
5A,B	9409126	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)		1			1	1			1	1	1	1
	5101779	BOLT, 3/8"-16X7/8" (12.9001)										1		
	179838	* BOLT, 3/8"-16 X 7/8" (12.9001)	AR	7			5	5			7	5	5	5
5A,B	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		8	6	8	6	6			6	6	6	6
	186278	BOLT, 3/8"-16X2 5/8" (12.9001)			2									
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				2			8	8				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							3	3				
	214265	+ BOLT, 3/8"-16X3 3/4" (12.9001)			6									
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)				6			4	6				
	455537	BOLT, 3/8"-16X4" (12.9001)								2				
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)								2				
	192884	BOLT, 3/8"-16X6 3/4" (12.9001)							2					
	5170491	BOLT, 3/8"-24X2 21/32" LOCK (12.9001)	3											
	5170489	BOLT, 3/8"-24X3 9/16" (12.9001)		3			3	3			2	3	3	3
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)			2	2			2	2	1			
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)			2	2			2	2				
	8920763	SPACER, .385" I.D.X1.00" O.D.X.013" THK. (3.4137)							1					
	103341	WASHER, 3/8" (12.9190)			AR				AR	1				
5A,B	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)			2	2			2	2				

* USE 6 FOR A THREE CYLINDER AND 5 FOR A FOUR CYLINDER FOR TYPE 416.
\+ OBSOLETE.
\# NOT SERVICED, USE 5146903 AND ONE EACH OF 5145014 AND 5146046 PLUGS.

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 416	424	426	431	433	446	447	451	454	467	470	489
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	SHIM	1	1	1	1		1	1	1	1	1	1	
		1.5004 - SEAL, CRANKSHAFT OIL-REAR												
	5116229	SEAL (1.3060)				1								
		1.5010 - GASKET, FLYWHEEL HOUSING												
	5175882	GASKET, 7/8" DIA. 6, 8V53 (4.4115)			1	1				1				
5A,B	5137470	GASKET, 6V53			1	1								
	5121334	GASKET, 2,3,4-53	1	1			1	1				1	1	1
	5132947	GASKET, 8V53							1	1	1			
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5127184	GASKET, 4-53		1										
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
5A,B	5122281	COVER	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	179857	BOLT, 7/16"-14X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A,B	122408	BOLT, 1/2"-13X1" (12.9001)	8	8	8	8	8	8	8		8	8	8	8
	179882	*BOLT, 1/2"-13X1 1/8" (12.9001)*								8				
5A,B	5150568	WASHER, 7/16" COPPER (2.4050)	2	2	2		2	2	2	2	2	2	2	2
5A,B	5125108	WASHER, 7/16" STEEL (2.4030)		2		2				2				
	103343	WASHER, 1/2" (12.9190)							8					
	106264	WASHER, 1/2" (12.9190)								8				
5A,B	103323	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8			8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
5A,B	5104506	GASKET		2	2	2	2	2	2	2	2	2	1	2
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
	5116411	COVER		2			2	2			2	2		2
	5155815	COVER (TACHOMETER HOLE) (1.7490)	1											
	5133210	COVER							1	1				
	5152716	COVER (3.4223)				2								
	5130992	# PLUG, CUP (3.4223)			2				2	2				
	9419648	SCREW, 5/16"-18X3/4" SELF-TAP (12.9066)	2											
5A,B	186625	BOLT, 5/16"-18X7/8" (12.9001)		4		6	4	4			4	4		4
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)							4	4				
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)							1	1				
	446202	WASHER, 5/16" (12.9120)								1				
	103341	WASHER, 3/8" (12.9120)							1	1				
	120392	WASHER, 1/4" (12.9120)				4								

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 416	424	426	431	433	446	447	451	454	467	470	489
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE (CONT'D)												
5A,B	**103320**	LOCKWASHER, 5/16" (12.9200) ..... # NOT SERVICED; REPLACE WITH 2-5152716 COVERS, 2-5150193 GASKETS, 6-186625 BOLTS AND 6-103320 LOCKWASHERS.	AR	AR		AR	AR	AR	AR		AR	AR		AR
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
	5116391	GASKET		2			2	2	2		2	2		2
	5150193	GASKET				2								
	5135935	GASKET (TACHOMETER COVER) (7.4455)	1											
	5133082	GASKET							1	1				
		1.5080 - COVER, FLYWHEEL HOUSING INSPECTION HOLE												
	5108939	COVER				2								
	181309	BOLT, 1/4"-28X1/2" (12.9001)				4								
	120393	WASHER, 9/32"X5/8" ZINC (12.9190)				4								
	103319	LOCKWASHER, 1/4" (12.9200)				4								
		1.5096 - HOSE, FLYWHEEL HOUSING DRAIN												
	5124238	@ HOSE, 3/8" I.D. X 14 L. (1.1060)												1
	5120998	CONNECTOR, 3/8"-90 DEG. HOSE (1.1100)												1
		@ BULK HOSE. CUT TO LENGTH SHOWN.												

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 490	491	507	534	583	603	610	613	614	647	653	654
		1.5001 - HOUSING ASSY., FLYWHEEL												
5A	5148954	HOUSING (SAE #2) 4-53			1									
	5105035	HOUSING (NO BELL) 3, 4-53				1								
5B	5106585	HOUSING (SAE #2) 6V53					1							
	5119353	+ HOUSING (SAE #4) 2, 3, 4-53						1						
5A	8922480	HOUSING (SAE #2) 4-53							1					
	8924575	HOUSING (SAE #3) 2, 3, 4-53								1				
5B	8923364	HOUSING (SAE #3) 6V53									1			
5A	8924510	HOUSING (SAE #3) 2, 3, 4-53	1	1								1		
5A	8924580	HOUSING (SAE #3) 2, 3, 4-53											1	
	8924578	HOUSING (SAE #3) 3, 4-53												1
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)					1				1			
	8924517	PLUG, 3/8" PIPE (12.9550)	1	1						1		1		
	5142549	PLUG, 3/4" PIPE (12.9550)	1	1								1		
	8924751	PLUG, 1 1/4" PIPE (12.9550)	1	1						1		1		
	8924750	PLUG, 1" PIPE (12.9550)			1				1					
	5115214	PLUG, 1/2" PIPE (12.9550)			1		1	1			1			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	6	6	6		8	6	6	6	8	6	6	6
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)					2				2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)					6				6			
	8927580	BOLT, 3/8"-16X7/8" (12.9001)	5	5	7	6		5	5	5		5	5	5
	9409126	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	5101779	BOLT, 3/8"-16X7/8" LOCK (12.9001)	1	1				1	1	1		1	1	1
	8927580	BOLT, 3/8"-16X7/8" AA LOCK (12.9001)			1									
	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
	5170491	BOLT, 3/8"-24X2 21/32 LOCK(12.9001)				3								
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)			1		2				2			
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)					2				2			
	5170489	BOLT, 3/8"-24X3 9/16" (12.9001)	3	3	8			3	3	3		3	3	3
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103026	NUT, 3/8"-24 (12.9120)					2				2			
		+ NOT SERVICED, USE 8924575 AND 1-5123802 SHIM.												
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE												
	5123802	SHIM	1	1	1	1	1	1	1	1	1	1	1	1
		1.5004 - SEAL, CRANKSHAFT OIL-REAR												
	5116229	SEAL (1.3060)				1					1			
	5128917	SEAL (1.3060)							1	1				
	8926902	SEAL (1.3060)					1					1	1	
		1.5010 - GASKET, FLYWHEEL HOUSING												
	5121334	GASKET, 2,3,4-53	1	1	1	1		1	1	1		1	1	1
	5137470	GASKET, 6V53					1				1			
	5175882	GASKET, 6V53					1				1			

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 490	491	507	534	583	603	610	613	614	647	653	654
		1.5020 - GASKET, FLYWHEEL HOUSING BELL												
	5127184	GASKET, 2,3,4-53	1	1								1		
	5134188	GASKET, 4-53							1					
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE												
	5122281	COVER	1	1	2		2		2	2	2	2	2	2
	5152716	COVER (3.4223)					2				2			
	5150193	GASKET (5.1010)					2				2			
	186625	BOLT, 5/16"-18X7/8" (12.9001)									6			
	179857	BOLT, 7/16"-14X1" (12.9001)	2	2	2		2		2	2	2	2	2	2
	122408	BOLT, 1/2"-13X1" (12.9001)	8	8	8		8		8	8	8	8	8	8
	5150568	WASHER, 7/16" (COPPER) UPPER (2.4050)	2	2	2									
	5125108	WASHER, 7/16" (2.4030)					2		2	2	2	2	2	2
	103343	WASHER, 1/2" (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)									6			
	103323	LOCKWASHER, 1/2" (12.9200)	8	8	8		8		8	8	8	8	8	8
		1.5040 - GASKET, FLYWHEEL HOUSING LARGE HOLE COVER												
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.5050 - COVER, FLYWHEEL HOUSING SMALL HOLE												
	5116411	COVER	2	2	1				2	2		2	2	2
	5155815	COVER (TACHOMETER HOLE)(1.7490)				1								
	186625	BOLT, 5/16"-18X7/8" (12.9001)	4	4	4		6		4	4		4	4	4
	179816	BOLT, 5/16"-18X3/4" (12.9001)				2								
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	2	6		4	4		4	4	4
		1.5060 - GASKET, FLYWHEEL HOUSING SMALL HOLE COVER												
	5116391	GASKET	2	2	2				2	2		2	2	2
	5135935	GASKET (TACHOMETER COVER) (7.4455)				1								
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR	AR			AR	AR		AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR	AR			AR	AR		AR	AR	AR
		1.5080 - COVER, FLYWHEEL HOUSING INSPECTION HOLE												
	5108939	COVER			2									2
	5125233	COVER											2	
	181309	BOLT, 1/4"-28X1/2" (12.9001)			4								4	4
	120393	WASHER, 9/32"X5/8" ZINC (12.9190)			4								4	4
	103319	LOCKWASHER, 1/4" (12.9200)			4								4	4

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6969	705	710
		1.5001 - HOUSING ASSY., FLYWHEEL			
	8928647	HOUSING, 6V53 (SAE #3) (ALUMINUM)	1		
	5106585	HOUSING, 6V53 (SAE #2)		1	
	23502128	HOUSING, 6V53 (SAE #3)			1
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1
	8924751	PLUG, 1" SQ. SOC. (12.9550)	1		1
	141195	PIN, 1/4"X5/8" DOWEL (12.9290)	1	1	1
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)	2		
	452736	INSERT, HELI-COIL 1/2"-13X1/2" (12.9119)	4		
	452696	HELI-COIL, 3/8"-16X3/4" (12.9118)	10		
	9409126	BOLT, 5/16"-18X2 1/2" (12.9001)	2	2	2
	5101779	BOLT, 3/8"-16X7/8" (12.9001)	1		
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	5		
	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)	4	4	4
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	8	8	8
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		2	2
	5170489	BOLT, 3/8"-24X3 9/16" (12.9001)	3		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	8	6	6
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	1		
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)	2	2	2
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)	2	2	2
	120393	WASHER, 5/16" (12.9190)	2		
	103341	WASHER, 3/8" (12.9190)	23		
	103321	LOCKWASHER, 3/8" (12.9200)	21	20	20
	102635	NUT, 3/8"-16 (12.9120)	1		
	103026	NUT, 3/8"-24 (12.9120)	2	2	2
		1.5002 - SHIM, FLYWHEEL HOUSING TO END PLATE			
	5123802	SHIM, 2.38" DIA. X .015" THK.	1	1	1
		1.5004 - SEAL, CRANKSHAFT OIL-REAR			
	8926902	SEAL (1.3060)	1		1
	5128417	SEAL (1.3060)		1	
		1.5010 - GASKET, FLYWHEEL HOUSING			
	5137470	GASKET, 6V53	1	1	1
	5175882	GASKET, 6V53	1	1	1
		1.5030 - COVER, FLYWHEEL HOUSING LARGE HOLE			
	5122281	COVER	2	2	2
	5152716	COVER	2	2	2
	5150193	GASKET	2	2	2
	5188224	BOLT, 7/16"-14X.88" (12.9001)	2	2	2
	122408	BOLT, 1/2"-13X1" (12.9001)	8	8	8
	5125108	WASHER, 7/16" (2.4030)	2	2	2
	103343	WASHER, 1/2" (12.9190)	1	1	1
	103323	LOCKWASHER, 1/2" (12.9200)	8	8	8

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1.5000A FLYWHEEL, HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 696	705	710
	1.5040	**- GASKET, FLYWHEEL HOUSING LARGE HOLE COVER**			
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR
	1.5050	**- COVER, FLYWHEEL HOUSING SMALL COVER**			
	5152716	COVER (3.4233)	2	2	2
	186625	BOLT, 5/16"-18X7/8" (12.9001)	6	6	6
	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6
	1.5060	**- GASKET, FLYWHEEL HOUSING SMALL HOLE COVER**			
	5150193	GASKET	2	2	2
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)	AR	AR	AR
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)	AR	AR	AR

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1.5000B FLYWHEEL HOUSING ADAPTOR

1.5130 - ADAPTOR, FLYWHEEL HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5	27	28	30	33	34
	5175471	ADAPTOR (SAE #2 TO SAE #4)	1					1
	5116113	ADAPTOR (SAE #4 TO WARNER GEAR)		1				1
	5125207	ADAPTOR (SAE #3 TO WARNER GEAR)			1			
	5131388	+ ADAPTOR (SAE #3)				1		
	5131324	+ ADAPTOR (SAE #3)					1	
	179839	BOLT, 3/8"-16X1" (12.9001)						12
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	12	12	12			12
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12			24

+ OBSOLETE.

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 25	26	27	29	35	53	56	58	59	60	61	62
		1.6001 - CONNECTING ROD ASSY.												
		QUANTITIES SHOWN ARE PER CYLINDER. A ROD ASSY. INCLUDES CAP AND ORIFICE WHICH ARE NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.6010 AND 1.6040. VAPOR BLASTED BUSHING (TYPE 58 AND 59) NOT SERVICED SEPARATELY.												
6A	5121262	ROD ASSY., 2,3,4-53	1	1	1			1					1	
6A	5121381	ROD ASSY., 2-53				1								
6A	5128517	# ROD ASSY., 6V53					1		1					
6A	5133109	ROD ASSY., 6,8V53								1	1	1		1
6A	5121210	& BOLT, 5/16"-24X2.90"L.					2							
6A	5128339	% BOLT, 5/16"-24X2.81"L.					2		2					
6A	5197852	BOLT, 3/8"-24X2.76"L.	2	2	2	2		2		2	2	2	2	2
6A	5121211	NUT, 5/16"-24					2		2					
6A	839103	NUT, 3/8"-24	2	2	2	2		2		2	2	2	2	2
		# NOT SERVICED, REPLACE WITH 5133109. & THRU 6D-306. % EFFECTIVE WITH 6D-307.												
		1.6010 - NOZZLE, CONNECTING ROD SPRAY												
6A	5150140	NOZZLE	1	1	1	1	1	1	1	1	1	1	1	1
		1.6020 - ORIFICE, CONNECTING ROD												
	5198179	ORIFICE, 5/16"X7/16"	1	1	1			1		1	1	1	1	1
		1.6040 - BUSHING, CONNECTING ROD PISTON PIN												
6A	5116181	BUSHING	2	2	2	2	2	2	2			2	2	2
		1.6100 - SHELL, CONNECTING ROD BEARING												
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.												
	5149452	SHELL SET (STANDARD)	AR	AR	AR	AR		AR					AR	
	5149453	SHELL SET (.002"U.S.)	AR	AR	AR	AR		AR					AR	
	5149454	SHELL SET (.010"U.S.)	AR	AR	AR	AR		AR					AR	
	5149455	SHELL SET (.020"U.S.)	AR	AR	AR	AR		AR					AR	
	5149456	SHELL SET (.030"U.S.)	AR	AR	AR	AR		AR					AR	
	5197975	SHELL SET (STANDARD)					AR		AR	AR	AR	AR		AR
	5197976	SHELL SET (.002"U.S.)					AR		AR	AR	AR	AR		AR
	5197977	SHELL SET (.010"U.S.)					AR		AR	AR	AR	AR		AR
	5197978	SHELL SET (.020"U.S.)					AR		AR	AR	AR	AR		AR
	5197979	SHELL SET (.030"U.S.)					AR		AR	AR	AR	AR		AR
		1.6110 - PISTON KIT												
		A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150. VAPOR BLASTED BUSHINGS (TYPE 58, 59) NOT SERVICED SEPARATELY.												
6A	5195931	PISTON KIT (STANDARD) 2, 3, 4, 6V53	1	1	1	1	1					1		

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 25	26	27	29	35	53	56	58	59	60	61	62
		1.6110 - PISTON KIT (CONT'D)												
6A	5198877	PISTON KIT ("N" ENGINE) 3, 4, 6, 8V53						1	1				1	1
6A	5198572	PISTON KIT (TURBO, VAP BLAST) 4, 6V53								1	1			
		1.6115 - RING SET, PISTON												
		A PISTON RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.												
	5198822	RING SET	AR	AR	AR	AR	AR					AR		
	5198902	RING SET						AR	AR					
	5198901	RING SET (STANDARD TURBO)								AR	AR			
	5149942	RING SET											AR	AR
		1.6120 - RING, PISTON COMPRESSION												
6A	5103382	RING (FIRE RING)	1	1	1	1	1	1	1	1	1	1		
6A	8923328	RING (FIRE RING)											1	1
6A	5116184	RING (CHROMED) (2ND, 3RD AND 4TH)	3	3	3	3	3	3	3	3	3	3	3	3
6A	5127147	* RING (CAST IRON) (3RD AND 4TH)	AR	AR	AR	AR	AR							
		* OPTIONAL FOR SERVICE-USE FOR LOWER TWO COMPRESSION GROOVES ONLY.												
		1.6130 - RING, PISTON OIL CONTROL												
		AN OIL CONTROL RING SET CONSISTS OF RINGS FOR ONE (1) CYLINDER. AN OIL CONTROL RING CONSISTS OF TWO (2) SCR APERS AND ONE (1) EXPANDER.												
6A	5195933	RING (UPPER AND LOWER GROOVE)	2	2	2	2	2	2	2			2	2	2
6A	5198092	RING SET								1	1			
		1.6140 - PIN, PISTON												
6A	5116189	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		1.6145 - BUSHING, PISTON PIN												
6A	5116181	BUSHING (1.6040)	2	2	2	2	2	2	2			2	2	2
		1.6150 - RETAINER, PISTON PIN												
6A	5108131	RETAINER	2	2	2	2	2	2	2	2	2	2	2	2
		1.6180 - LINER, CYLINDER												
6A	5132803	LINER (STANDARD)	1	1	1	1	1	1	1	1	1	1	1	1
6A	5101016	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	5149944	+ LINER (.020" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ USE WITH 5149945 SEAL.												

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 25	26	27	29	35	53	56	58	59	60	61	62
		1.6182 - CYLINDER KIT												
		A CYLINDER KIT CONSISTS OF ITEMS IN 1.6110, 1.6120, 1.6140, 1.6150, 1.6180 AND 1.6190 FOR ONE (1) CYLINDER.												
	5198903	CYLINDER KIT (STD., 17:1 RATIO) 2,3,4,6V53	AR	AR	AR	AR	AR					AR		
	5198899	CYLINDER KIT ("N" ENGINES) 3,4,6,8V53 (21:1 RATIO)								AR	AR		AR	AR
	5197341	# CYLINDER KIT (17.5:1 RATIO) 4,6V53												
	5198904	CYLINDER KIT (21:1, DEEP BOWL) 3,4,6V53						AR	AR					
		# NOT SERVICED, REPLACED BY 5149315 CYLINDER KIT.												
		1.6190 - SEAL, CYLINDER LINER												
6A	**5121256**	SEAL	2	2	2	2	2	2	2	2	2	2	2	2
6A	**5149945**	SEAL, .020" O.S., O.D.	2	2	2	2	2	2	2	2	2	2	2	2

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 63	64	65	66	67	68	77	80	83	94	96	97
		1.6001 - CONNECTING ROD ASSY.												
		FOR TYPE 70 USE TYPE 80. QUANTITIES SHOWN ARE PER CYLINDER. A ROD ASSY. INCLUDES CAP AND ORIFICE WHICH ARE NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.6010 AND 1.6040.												
6A	**5121262**	ROD ASSY., 2,3,4-53			1	1	1		1	1		1		
6A	**5121381**	ROD ASSY., 2-53									1			
6A	**5133109**	ROD ASSY., 6,8V53	1	1				1					1	1
6A	**5197852**	BOLT, 3/8 -24X2.76 L.	2	2	2	2	2	2	2	2	2	2	2	2
6A	**839103**	NUT, 3/8"-24	2	2	2	2	2	2	2	2	2	2	2	2
		1.6010 - NOZZLE, CONNECTING ROD SPRAY												
6A	**5150140**	NOZZLE	1	1	1	1	1	1	1	1	1	1	1	1
		1.6020 - ORIFICE, CONNECTING ROD												
	5198179	ORIFICE, 5/16"X7/16"										1		
		1.6040 - BUSHING, CONNECTING ROD PISTON PIN												
6A	**5116181**	BUSHING	2	2	2	2	2	2	2	2	2	2	2	2
		1.6100 - SHELL, CONNECTING ROD BEARING												
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.												
	5149452	SHELL SET (STANDARD)			AR	AR	AR		AR	AR	AR	AR		
	5149453	SHELL SET (.002"U.S.)			AR	AR	AR		AR	AR	AR	AR		
	5149454	SHELL SET (.010"U.S.)			AR	AR	AR		AR	AR	AR	AR		
	5149455	SHELL SET (.020"U.S.)			AR	AR	AR		AR	AR	AR	AR		
	5149456	SHELL SET (.030"U.S.)			AR	AR	AR		AR	AR	AR	AR		
	5197975	SHELL SET (STANDARD)	AR	AR				AR					AR	AR
	5197976	SHELL SET (.002"U.S.)	AR	AR				AR					AR	AR
	5197977	SHELL SET (.010" U.S.)	AR	AR				AR					AR	AR
	5197978	SHELL SET (.020" U.S.)	AR	AR				AR					AR	AR
	5197979	SHELL SET (.030" U.S.)	AR	AR				AR					AR	AR
		1.6110 - PISTON KIT												
		A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150.												
6A	**5195931**	PISTON KIT, 2, 3, 4, 6V53 (STANDARD)									1			
6A	**5198877**	PISTON KIT, 3, 4, 6, 8V53 ("N" ENGINE)	1	1	1	1	1	1	1				1	1
6A	**5198572**	PISTON KIT, 4, 6V53 (TURBO)										1		
	5198427	PISTON KIT, 4-53								1				
		1.6115 - RING SET, PISTON												
		A PISTON RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.												
	5198822	RING SET								AR	AR			

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 63	64	65	66	67	68	77	80	83	94	96	97
		1.6115 - RING SET, PISTON (CONT'D)												
	5149942	RING SET		AR				AR					AR	AR
	5198902	RING SET			AR	AR			AR					
	5198901	RING SET (STANDARD TURBO)	AR				AR					AR		
		1.6120 - RING, PISTON COMPRESSION												
6A	5103382	RING (FIRE RING)			1	1			1	1	1	1		
6A	8923328	RING (FIRE RING)	1	1			1	1					1	1
6A	5116184	RING (CHROMED) (2ND, 3RD AND 4TH)	3	3	1	1	3	3	1	3	1	3	3	3
6A	5127147	* RING (CAST IRON) (3RD AND 4TH)			2	2		AR	2		2			
		* OPTIONAL FOR SERVICE-USE FOR LOWER TWO COMPRESSION GROOVES ONLY FOR TYPE 68.												
		1.6130 - RING, PISTON OIL CONTROL												
		AN OIL CONTROL RING SET CONSISTS OF RINGS FOR ONE (1) CYLINDER. AN OIL CONTROL RING CONSISTS OF TWO (2) SCR APERS AND ONE (1) EXPANDER.												
6A	5195933	RING (UPPER AND LOWER GROOVE)		2	2	2		2	2	2	2		2	2
6A	5198092	RING SET	1				1					1		
		1.6140 - PIN, PISTON												
6A	5116189	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		1.6145 - BUSHING, PISTON PIN												
6A	5116181	BUSHING (1.6040)	2	2	2	2	2	2	2	2	2	2	2	2
		1.6150 - RETAINER, PISTON PIN												
6A	5108131	RETAINER	2	2	2	2	2	2	2	2	2	2	2	2
		1.6180 - LINER, CYLINDER												
6A	5132803	LINER (STANDARD)	1	1	1	1	1	1	1	1	1	1	1	1
6A	5101016	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	5149944	+ LINER (.020" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ USED WITH 5149945 SEAL.												
		1.6182 - CYLINDER KIT												
		A CYLINDER KIT CONSISTS OF ITEMS IN 1.6110, 1.6120, 1.6140, 1.6150, 1.6180 AND 1.6190 FOR ONE (1) CYLINDER.												
	5198903	CYLINDER KIT, 2,3,4,6V53 (STD., 17:1 RATIO)									AR			
	5198899	CYLINDER KIT, 3,4,6,8V53 ("N" ENGINES)		AR				AR					AR	AR
	5197341	# CYLINDER KIT, 4,6V53 (17.5:1 RATIO)										AR		
	5199116	CYLINDER KIT, 6V53 (21:1 RATIO)	AR				AR							

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 63	64	65	66	67	68	77	80	83	94	96	97
		1.6182 - CYLINDER KIT (CONT'D)												
	5198904	CYLINDER KIT, 3,4,6V53 (21:1, DEEP BOWL)			AR	AR			AR					
	5198905	CYLINDER KIT, 3,4-53 (23:1, DEEP BOWL)								AR				
		# NOT SERVICED, REPLACED BY 5149315 CYLINDER KIT.												
		1.6190 - SEAL, CYLINDER LINER												
6A	**5121256**	SEAL	2	2	2	2	2	2	2	2	2	2	2	2
6A	**5149945**	SEAL, .020" O.S., O.D.	2	2	2	2	2	2	2	2	2	2	2	2

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	110	118	172	176	180	181	182	183	194	204	205	206	207
		1.6001 - CONNECTING ROD ASSY.														
		QUANTITIES SHOWN ARE PER CYLINDER. A ROD ASSY. INCLUDES CAP AND ORIFICE WHICH ARE NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.6010 AND 1.6040. VAPOR BLASTED BUSHINGS (TYPES 110, 172, 176, 180, 181, 182, 194, 204, 205, 206 AND 207) ARE NOT SERVICED SE PARATELY.														
6A	**5121262**	ROD ASSY., 3,4-53	1		1						1					
6A	**5140949**	ROD ASSY., 6V53, 8V53 (TURBO)		1			1		1	1						
6A	**5103817**	# ROD ASSY., 3,4-53 (TURBO)				1		1				1		1		
6A	**5108178**	ROD ASSY., 4-53 (TURBO)													1	1
6A	**5106977**	ROD ASSY., 6V53 (TURBO)											1			
6A	**5197852**	BOLT, 3/8"-24X2.76"L.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6A	**839103**	NUT, 3/8"-24	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		# NOT SERVICED, USE 5108178 ROD ASSY. AND TO INSURE INTERCHANGEABILITY USE (1) 8920717 (18.7:1) PISTON ASSY . (1) 5106902 PIN AND (2) 5108175 RETAINERS.														
		1.6010 - NOZZLE, CONNECTING ROD SPRAY														
6A	**5150140**	NOZZLE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.6020 - ORIFICE, CONNECTING ROD														
	5198179	ORIFICE, 5/16"X7/16"	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.6040 - BUSHING, CONNECTING ROD PISTON PIN														
6A	**5116181**	BUSHING	2		2						2					
		1.6100 - SHELL, CONNECTING ROD BEARING														
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.														
	5149452	SHELL SET (STANDARD)	AR		AR	AR		AR			AR	AR		AR	AR	AR
	5149453	SHELL SET (.002"U.S.)	AR		AR	AR		AR			AR	AR		AR	AR	AR
	5149454	SHELL SET (.010"U.S.)	AR		AR	AR		AR			AR	AR		AR	AR	AR
	5149455	SHELL SET (.020"U.S.)	AR		AR	AR		AR			AR	AR		AR	AR	AR
	5149456	SHELL SET (.030" U.S.)				AR						AR		AR	AR	AR
	5197975	SHELL SET (STANDARD)		AR			AR		AR	AR			AR			
	5197976	SHELL SET (.002" U.S.)		AR			AR		AR	AR			AR			
	5197977	SHELL SET (.010"U.S.)		AR			AR		AR	AR			AR			
	5197978	SHELL SET (.020"U.S.)		AR			AR		AR	AR			AR			
	5197979	SHELL SET (.030"U.S.)		AR			AR		AR	AR			AR			

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	110	118	172	176	180	181	182	183	194	204	205	206	207
		1.6110 - PISTON KIT														
		A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150. VAPOR BLASTED BUSHINGS (TYPES 110, 172, 176, 180, 181, 182, 194, 204, 205, 206 AND 207) ARE NOT SERVICED SE PARATELY.														
6A	**5198877**	PISTON KIT, 3, 4-53 ("N" ENGINE)	1		1											
6A	**5198572**	PISTON KIT, 6V, 8V53 (TURBO, VAP BLAST)		1					1	1				1		
6A	**8920717**	PISTON KIT, 4, 6V53 (TURBO, VAP BLAST)											1		1	1
6A	**5104673**	PISTON KIT, 4-53, 6V53 (TURBO, VAP BLAST)					1	1				1				
6A	**5195931**	PISTON KIT, 3-53 (STANDARD)									1					
6A	**5103921**	# PISTON KIT, 4-53 (TURBO, VAP BLAST)				1										
		# OBSOLETE.														
		1.6115 - RING SET, PISTON														
		A PISTON RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.														
	5149942	RING SET	AR		AR											
	5149359	RING SET				AR	AR	AR				AR	AR		AR	AR
	5149314	RING SET		AR					AR					AR		
	5198901	RING SET								AR						
	5198902	RING SET									AR					
		1.6120 - RING, PISTON COMPRESSION														
6A	**8923328**	RING, FIRE RING	1		1											
6A	**5103382**	RING, FIRE RING		1		1	1	1	1	1	1	1	1	1	1	1
6A	**5116184**	RING (CHROMED)(2ND, 3RD AND 4TH)	3	3	3	3	3	3	3	3	1	3	3	3	3	3
	5127147	RING (CAST IRON) 3RD AND 4TH									2					
		1.6130 - RING, PISTON OIL CONTROL														
		AN OIL CONTROL RING SET CONSISTS OF RINGS FOR ONE (1) CYLINDER. AN OIL CONTROL RING CONSISTS OF TWO (2) SCR APERS AND ONE (1) EXPANDER.														
	5149313	RING SET		1					1					1		
	5198092	RING SET								1						
	5149378	RING SET				1	1	1				1	1		1	1
	5149610	RING SET (LOWER GROOVE)				1	1	1				1	1		1	1
	5195933	RING SET	2		2						2					
		1.6140 - PIN, PISTON														
	5104651	PIN (DRILLED)		1		1	1	1	1	1		1		1		
6A	**5116189**	PIN	1		1						1					
	5106902	PIN (1.5030"-1.5025" DIA.)											1		1	1
		1.6145 - BUSHING, PISTON PIN														
6A	**5116181**	BUSHING (1.6040)	2		2						2					

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	110	118	172	176	180	181	182	183	194	204	205	206	207
		1.6150 - RETAINER, PISTON PIN														
6A	**5108131**	RETAINER	2	2	2	2	2	2	2	2	2	2		2		
6A	**5108175**	RETAINER											2		2	2
		1.6180 - LINER, CYLINDER														
6A	**5132803**	LINER (STANDARD)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6A	**5101016**	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	**5149944**	+ LINER (.020" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ USE WITH 5149945 SEAL.														
		1.6182 - CYLINDER KIT														
		A CYLINDER KIT CONSISTS OF ITEMS IN 1.6110, 1.6120, 1.6140, 1.6150, 1.6180, AND 1.6190 FOR ONE (1) CYLINDER A KIT FOR TYPE 183 IS NOT AVAILABLE.														
	5198899	CYLINDER KIT, 3,4-53 ("N" ENGINES)	AR		AR											
	5149315	CYLINDER KIT (5083-5399)		AR					AR					AR		
	5149360	CYLINDER KIT, 3, 4-53 (TURBO)					AR	AR				AR				
	5149734	CYLINDER KIT (TURBO)											AR		AR	AR
		1.6190 - SEAL, CYLINDER LINER														
6A	**5121256**	SEAL	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6A	**5149945**	SEAL, .020" O.S., O.D.	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	236	238	239	240	241	242	243	244	245	249
		1.6001 - CONNECTING ROD ASSY.											
		QUANTITIES SHOWN ARE PER CYLINDER. A ROD ASSY. INCLUDES CAP AND ORIFICE WHICH ARE NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.6010 AND 1.6040. VAPOR BLASTED BUSHINGS (TYPE 208, 242, 243 AND 244) ARE NOT SERVICED SEPARATELY.											
6A	**5108178**	ROD ASSY., 4-53 (TURBO)	1								1	1	
6A	**5121262**	ROD ASSY., 3, 4-53		1			1	1					
6A	**5133109**	ROD ASSY., 6V53			1	1							1
6A	**5140949**	ROD ASSY., 6V53							1				
6A	**5106977**	ROD ASSY., 6V53								1			
6A	**5197852**	BOLT, 3/8"-24X2.76" L.	2	2	2	2	2	2	2	2	2	2	2
6A	**839103**	NUT, 3/8"-24	2	2	2	2	2	2	2	2	2	2	2
		1.6010 - NOZZLE, CONNECTING ROD SPRAY											
6A	**5150140**	NOZZLE	1	1	1	1	1	1	1	1	1	1	1
		1.6020 - ORIFICE, CONNECTING ROD											
	5198179	ORIFICE, 5/16"X7/16"	1	1	1	1	1	1	1	1	1	1	1
		1.6040 - BUSHING, CONNECTING ROD PISTON PIN											
A	**5116181**	BUSHING		2	2	2	2	2	2				2
		1.6100 - SHELL, CONNECTING ROD BEARING											
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.											
	5149452	SHELL SET (STANDARD 3, 4-53) (TURBO)	AR	AR			AR	AR			AR	AR	
	5149453	SHELL SET (.002" U.S.)	AR	AR			AR	AR			AR	AR	
	5149454	SHELL SET (.010" U.S.)	AR	AR			AR	AR			AR	AR	
	5149455	SHELL SET (.020" U.S.)	AR	AR			AR	AR			AR	AR	
	5149456	SHELL SET (.030" U.S.)	AR	AR			AR	AR			AR	AR	
	5197975	SHELL SET (STANDARD)			AR	AR			AR	AR			AR
	5197976	SHELL SET (.002" U.S.)			AR	AR			AR	AR			AR
	5197977	SHELL SET (.010" U.S.)			AR	AR			AR	AR			AR
	5197978	SHELL SET (.020" U.S.)			AR	AR			AR	AR			AR
	5197979	SHELL SET (.030" U.S.)			AR	AR			AR	AR			AR
		1.6110 - PISTON KIT											
		A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150. VAPOR BLASTED BUSHINGS (TYPE 208, 242, 243 AND 244) ARE NOT SERVICED SEPARATELY.											
6A	**8920718**	+ PISTON KIT, 4-53 (TURBO, VAP BLAST)	1									1	
6A	**5198877**	PISTON KIT, 3, 4, 6V53 ("N" ENGINE)		1	1	1	1	1					1
6A	**5198572**	*PISTON KIT, 4, 6V53 (TURBO, VAP BLAST)*							1				

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	236	238	239	240	241	242	243	244	245	249
		1.6110 - PISTON KIT (CONT'D)											
6A	**8920717**	PISTON KIT, 4, 6V53 (TURBO, VAP BLAST)								1	1		
		+ NOT SERVICED. USE 5198572 PISTON KIT AND (1) 5140949 ROD ASSY.											
		1.6115 - RING SET, PISTON											
		A PISTON RING SET CONSISTS OF SUFFICIENT RINGS FOR ONE (1) CYLINDER.											
	5149314	RING SET	AR										AR
	5198902	RING SET		AR									
	23501520	RING SET			AR			AR					
		1.6120 - RING, PISTON COMPRESSION											
6A	**5103382**	RING (FIRE RING)		1									
6A	**8923328**	RING (FIRE RING)	1		1			1					1
6A	**5105327**	# RING (FIRE RING) (PLASMA COATING)				1	1		1	1	1	1	
6A	**5116184**	RING (CHROMED) (2ND, 3RD AND 4TH)	3	1	3	3	3	3	3	3	3	3	1
	5127147	RING (CAST IRON) 3RD AND 4TH		2									2
		# NOT SERVICED, USE 5103382 FOR TURBO ENGINES OR 8923328 FOR NON-TURBO ENGINES.											
		1.6130 - RING, PISTON OIL CONTROL											
		AN OIL CONTROL RING SET CONSISTS OF RINGS FOR ONE (1) CYLINDER. AN OIL CONTROL RING CONSISTS OF TWO (2) SCR APERS AND ONE (1) EXPANDER.											
	5149313	RING SET	1						1			1	
	5198092	RING SET				1	1						
	5149378	RING SET								1	1		
	5109970	RING SET (UPPER GROOVE)				1	1						
	5195933	RING SET (LOWER OR UPPER GROOVE)		2	2	1	1	2	1			1	2
	5149610	RING SET (LOWER GROOVE)								1	1		
		1.6140 - PIN, PISTON											
6A	**5106902**	PIN (1.5030"-1.5025" DIA.)	1							1	1	1	
6A	**5116189**	PIN		1	1	1	1	1					1
6A	**5104651**	PIN, LUBE DRILLED							1				
		1.6145 - BUSHING, PISTON PIN											
6A	**5116181**	BUSHING (1.6040)		2	2	2	2	2					2
		1.6150 - RETAINER, PISTON PIN											
6A	**5108175**	RETAINER	2							2	2	2	
6A	**5108131**	RETAINER		2	2	2	2	2	2				2

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	236	238	239	240	241	242	243	244	245	249
		1.6180 - LINER, CYLINDER											
6A	**5132803**	LINER (STANDARD)	1	1	1	1	1	1	1	1	1	1	1
6A	**5101016**	LINER (.010" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
6A	**5149944**	+ LINER (.020" O.S., O.D.)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ USE WITH 5149945 SEAL.											
		1.6182 - CYLINDER KIT											
		A CYLINDER KIT CONSISTS OF ITEMS IN 1.6110, 1.6120, 1.6140, 1.6150, 1.6180 AND 1.6190 FOR ONE (1) CYLINDER.											
	5149735	@ CYLINDER KIT (TURBO)	AR										
	5198904	CYLINDER KIT (21:1 COMP)		AR									AR
	5198899	CYLINDER KIT (21:1 COMP, "N" ENGINE)			AR			AR					
		@ NOT SERVICED. USE 5149315 KIT AND (1) 5140949 ROD ASSY.											
		1.6190 - SEAL, CYLINDER LINER											
6A	**5121256**	SEAL	2	2	2	2	2	2	2	2	2	2	2
6A	**5149945**	SEAL, .020" O.S., O.D.	2	2	2	2	2	2	2	2	2	2	2

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	269	270	288	361
		1.6001 - CONNECTING ROD ASSY.					
		QUANTITIES SHOWN ARE PER CYLINDER. A CROSSHEAD ROD ASSY. INCLUDES ITEMS IN 1.6001. A TRUNK PISTON ROD ASSY. INCLUDES CAP AND ORIFICE WHICH ARE NOT SOLD SEPARATELY, PLUS ITEMS IN 1.6001, 1.60 10 AND 1.6040.					
6B	**8924004**	ROD ASSY. (CROSSHEAD) 3, 4-53	1				
6B	**8924003**	ROD ASSY. (CROSSHEAD) 6V53		1	1	1	
6A	**5121262**	ROD ASSY. (TRUNK) 4-53					1
6A,B	**5197852**	BOLT, 3/8"-24X2.76"	2	2	2	2	2
6A,B	**839103**	NUT, 3/8"-24	2	2	2	2	2
		1.6010 - NOZZLE, CONNECTING ROD SPRAY					
6A	**5150140**	NOZZLE					1
		1.6020 - ORIFICE, CONNECTING ROD					
	5198179	ORIFICE, 5/16"X7/16"					1
		1.6040 - BUSHING, CONNECTING ROD BEARING					
6A	**5116181**	BUSHING					2
		1.6100 - SHELL, CONNECTING ROD BEARING					
		A SHELL SET CONSISTS OF ONE UPPER AND ONE LOWER SHELL.					
	5149452	SHELL SET (STANDARD)	AR				AR
	5149453	SHELL SET (.002" U.S.)	AR				AR
	5149454	SHELL SET (.010" U.S.)	AR				AR
	5149455	SHELL SET (.020" U.S.)	AR				AR
	5149456	SHELL SET (.030" U.S.)	AR				AR
	5197975	SHELL SET (STANDARD)		AR	AR	AR	
	5197976	SHELL SET (.002" U.S.)		AR	AR	AR	
	5197977	SHELL SET (.010" U.S.)		AR	AR	AR	
	5197978	SHELL SET (.020" U.S.)		AR	AR	AR	
	5197979	SHELL SET (.030" U.S.)		AR	AR	AR	
		1.6106 - RING, CROSSHEAD PISTON SEAL					
6B	**8924733**	RING, SEAL	1	1	1	1	
		1.6110 - PISTON KIT					
		A DOME KIT CONSISTS OF ITEMS IN 1.6106, 1.6110, 1.6140, 1.6142 AND 1.6150. A PISTON KIT INCLUDES BUSHING IN 1.6145 AND RETAINER IN 1.6150.					
	8927225	DOME KIT	1	1	1	1	
6A	**5198877**	PISTON KIT, 4-53					1
6B	**8924000**	DOME PISTON	1	1	1	1	
6B	**8924002**	SKIRT PISTON	1	1	1	1	

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	269	270	288	361
		1.6115 - RING SET, PISTON					
		CONSISTS OF SUFFICIENT RINGS FOR (1) PISTON.					
	8927223	RING SET	AR	AR	AR		
	NPN	RING SET (CROSSHEAD PISTON)				AR	
	23501520	RING SET (NON-TURBO)					AR
		1.6120 - RING, PISTON COMPRESSION					
6B	**8925780**	RING, FIRE (1 BLUE MARK)	1	1	1	1	
6A	**8923328**	RING, FIRE					1
6A,B	**8925779**	RING (MOLY)	2	2	2	2	3
		1.6130 - RING, PISTON OIL CONTROL					
		AN OIL CONTROL RING SET CONSISTS OF SCRAPERS AND EXPANDERS FOR ONE (1) CYLINDER.					
6B	**8927224**	RING SET	1	1	1		
6B	**NPN**	RING SET (CROSSHEAD PISTON)				1	
	NPN	RING SET (TRUNK PISTON)					1
		1.6140 - PIN, PISTON					
6B	**8924735**	PIN, CROSSHEAD PISTON	1	1	1	1	
6A	**5116189**	PIN, TRUNK PISTON					1
6B	**8924732**	SPACER	2	2	2	2	
6B	**8924734**	BOLT, 3/8"-24X1.88" 12 PT. HD.	2	2	2	2	
		1.6142 - BEARING, PISTON PIN					
6B	**8924736**	BEARING	1	1	1	1	
		1.6150 - RETAINER, PISTON PIN					
6B	**8924731**	RETAINER, CROSSHEAD PISTON	2	2	2	2	
6A	**5108131**	RETAINER, TRUNK PISTON					2
		1.6180 - LINER, CYLINDER					
6B	**8926088**	LINER, .74" PORT (STANDARD)	1	1			
6B	**8926089**	LINER, .74" PORT (.010" O.S. O.D.)	AR	AR			
6B	**8926090**	+ LINER, .74" PORT (.020" O.S. O.D.)	AR	AR			
6A,B	**5132803**	LINER, .84" PORT (STANDARD)			1	1	1
6B	**5101016**	LINER, .84" PORT (.010" O.S. O.D.)			AR	AR	AR
6B	**5149944**	+ LINER, .84" PORT (.020" O.S. O.D.)			AR	AR	AR
		+ USE WITH 5149945 SEAL.					
		1.6182 - CYLINDER KIT					
		A CYLINDER KIT INCLUDES STANDARD SIZE ITEMS IN 1.6106, 1.6110, 1.6120, 1.6130, 1.6140, 1.6142, 1.6150 AND 1 .6180.					

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1.6000 CONNECTING ROD AND PISTON

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	269	270	288	361
		1.6182 - CYLINDER KIT (CONT'D)					
	8927222	CYLINDER KIT, CROSSHEAD PISTON (INDUSTRIAL)	AR				
	8927615	CYLINDER KIT, CROSSHEAD PISTON (MILITARY)		AR	AR		
	NPN	CYLINDER KIT, CROSSHEAD PISTON				AR	
	NPN	CYLINDER KIT, TRUNK PISTON					AR
		1.6190 - SEAL, CYLINDER LINER					
6A	**5121256**	SEAL	2	2	2	2	2
6A	**5149945**	SEAL, .020" O.S., O.D.	2	2	2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	31	32	33	34	35	37	49	50	51	53	55
		1.7001 - CAMSHAFT ASSY.												
		A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.												
7A	**5121028**	CAMSHAFT ASSY. 2-53 ALL R.H. AND L.H. ENGS.	1						1	1				
7A	**5126929**	% CAMSHAFT ASSY. 3-53 RB-RC-LA-LD ENG.		1							1			
7A	**5126930**	@ CAMSHAFT ASSY. 3-53 RA-RD-LB-LC ENG. (5149093)			1								1	
7A	**5126931**	# CAMSHAFT ASSY. 4-53 LA-LB-LC-LD ENG. (5149097)				1								
7A	**5126932**	% CAMSHAFT ASSY. 4-53 RA-RB-RC-RD ENG.					1					1		1
7B	**5199397**	* CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)						1						
7B	**5199396**	* CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)						1						
	5151277	PLUG, 1/2" DRIVE	2	2	2	2	2	4	2	2	2	2	2	2
		* USE WITH 5147424 SPRING IN 1.8340.												
		# NOT SERVICED. USE NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY REPLACE 5144019 VALVE SPRING WIT H 5147424 VALVE SPRING ON 4 VALVE ENGINES.												
		@ NOT SERVICED. USE NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY RETAIN VALVE SPRING 5116140 ON 2 VALVE ENGINES AND REPLACE 5144019 VALVE SPRING WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES.												
		% MUST BE USED WITH 5144019 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.												
		1.7010 - BEARING, CAMSHAFT END												
		A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.												
7A	**5198431**	BEARING SET (STD., 2-53)	1						1	1				
7A	**5198982**	BEARING SET (STD. I.D., .010" O.S., O.D.)	AR						AR	AR				
7A	**5198468**	BEARING SET (.010"U.S.,I.D.,STD. O.D.)	AR						AR	AR				
7A	**5198469**	BEARING SET (.020"U.S.,I.D.,STD. O.D.)	AR						AR	AR				
7A	**5198209**	BEARING SET (STD. 3-53)		1	1						1		1	
7A	**5198980**	BEARING SET (STD. I.D., .010" O.S., O.D.)		AR	AR						AR		AR	
7A	**5198470**	BEARING SET (.010"U.S., I.D., STD. O.D.)		AR	AR						AR		AR	
7A	**5198471**	BEARING SET (.020"U.S., I.D., STD. O.D.)		AR	AR						AR		AR	
7A	**5198984**	BEARING SET (STD. 4-53)				1	1					1		1
7A	**5198979**	BEARING SET (STD. I.D., .010" O.S., O.D.)				AR	AR					AR		AR
7A	**5198978**	BEARING SET (.010"U.S., I.D., STD. O.D.)				AR	AR					AR		AR
7A	**5198981**	BEARING SET (.020"U.S.,I.D., STD. O.D.)				AR	AR					AR		AR
7B	**5197944**	BEARING SET (STD. 6V53)						1						

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	31	32	33	34	35	37	49	50	51	53	55
		1.7010 - BEARING, CAMSHAFT END (CONT'D)												
7B	**5198983**	BEARING SET (STD. I.D., .010" O.S., O.D.)						AR						
7B	**5197945**	BEARING SET (.010"U.S., I.D., STD., O.D.)						AR						
7B	**5197946**	BEARING SET (.020" U.S., I.D., STD., O.D.)						AR						
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST												
7A,B	**5116198**	WASHER	24	24	24	24	24	24	24	24	24	24	24	24
7A,B	**9409028**	BOLT, 3/8"-16X1"(12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
		1.7060 - SEAL, CAMSHAFT OIL												
7A,B	**5106223**	SEAL, OIL (FRONT 2, 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2	2
		1.7061 - SLINGER, CAMSHAFT OIL												
7A,B	**5134388**	+ SLINGER + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029.	2	2	2	2	2	2	2	2	2	2	2	2
		1.7062 - SPACER, CAMSHAFT OIL SEAL												
7A,B	**5121071**	+ SPACER, .440" THK.	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	**5106360**	‡ SPACER, .465" THK. + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029. ‡ EFF. WITH 2D-23443, 3D-44070, 4D-48901, 6D-41030.	2	2	2	2	2	2	2	2	2	2	2	2
		1.7080 - SHAFT, BALANCE												
7A	**5121072**	SHAFT, 2-53	1						1	1				
7A	**5121073**	SHAFT, 3-53		1	1						1		1	
7A	**5121074**	SHAFT, 4-53				1	1					1		1
		1.7130 - PULLEY, FRONT BALANCE												
7A	**5121107**	* PULLEY, 2-53	2							1				
7A	**8925944**	PULLEY, 3-53		2	2						2		2	
7A	**8925946**	PULLEY, 4-53				2	2					2		
7B	**8925945**	PULLEY, 6V-53						2						1
7A	**8925946**	PULLEY, 4-53 (ON BALANCE SHAFT)												1
7A,B	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2		1	2	2	2	1
7A,B	**5150087**	NUT, 1 1/8"-18 SPL. (1.7140)	2	2	2	2	2	2		1	2	2	2	1
		* NOT SERVICED. USE 8925945 PULLEY AND ONE (1) EACH OF 5127077 WASHER, 5187641 WASHER, 103321 LOCKWASHER, 1 86622 BOLT AND SHEET 1 OF SD-163. CAUTION: MODIFICATION FROM SHEET ONE (1) OF SD-163 COULD CREATE A CLEARAN CE PROBLEM ON SOME APPLICATIONS.												

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	31	32	33	34	35	37	49	50	51	53	55
		1.7140 - WEIGHT, FRONT BALANCE												
10C	5121107	# WEIGHT, 2-53							2	1				
	5109504	WEIGHT, 4-53 (ON CAMSHAFT)												1
7A	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)							2	1				1
7A	5150087	NUT, 1 1/8"-18							2	1				1
		# NOT SERVICED. USE 8925945 PULLEY AND ONE (1) EACH OF 5127077 WASHER, 5187641 WASHER, 103321 LOCKWASHER, 1 86622 BOLT AND SHEET 1 OF SD-163. CAUTION: MODIFICATION FROM SHEET ONE (1) OF SD-163 COULD CREATE A CLEARAN CE PROBLEM ON SOME APPLICATIONS.												
		1.7190 - WEIGHT, REAR BALANCE												
7C	5119277	WEIGHT (CRESCENT SHAPE, 2 HOLES)		2	2	2	2							
7C	5119278	* WEIGHT (INNER) (.2242" THICK, 5 HOLES)				2	2					2		2
7C	5109874	* WEIGHT (.1345" THICK, 3 HOLES)									2	2	2	2
7C	5126197	@ WEIGHT (.1196" THICK, 3 HOLES)									2	2	2	2
7C	5126198	@ WEIGHT (OUTER)(.2391"THICK, 3 HOLES)										2		2
7C	8927580	BOLT, 3/8"-16X1.015" (USED AS REAR WEIGHTS) (12.9001)	4						4	4				
7C	9409028	# BOLT, 3/8"-16X1" (12.9001)		4	4									
7C	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)				4	4							
7C	9409034	BOLT, 3/8"-24X7/8" (12.9001)									4		4	
7C	9409035	BOLT, 3/8"-24X1" (12.9001)										4		4
		* EFFECTIVE WITH 3D-5209, 4D-6878 IN TYPES 50, 51, 53 AND 55. MUST BE REPLACED AS SET ON 4 CYLINDER UNITS T HRU 4D-6877 IN THESE TYPES.												
		@ THRU 3D-5208,4D-6877 NOT SERVICED. FOR REPLACEMENT USE 5109874 AND 5119278.												
		# THRU 8D-127.												
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT												
7A,C	5133387	* GEAR (CAMSHAFT LB-LC- RA-RD, BALANCE LA-LD-RB-RC ENG.) (R.H. HELIX; 97 TEETH) (5107072)	1	1	1	1	1		1	1	1	1	1	1
7A,C	5133388	* GEAR (L.H. HELIX) (CAMSHAFT LA-LD-RB-RC, BALANCE LB-LC-RA-RD ENG.) (L.H. HELIX; 97 TEETH) (5107073)	1	1	1	1	1		1	1	1	1	1	1
7B	5133387	* GEAR, 6V-53 (R. BANK CAMSHAFT R.H. ENG. L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (51 07072)						1						
7B	5133388	* GEAR, 6V-53 (L. BANK CAMSHAFT R.H. ENG. R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 97 TEETH) (51 07073)						1						
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	31	32	33	34	35	37	49	50	51	53	55
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR												
7A,B	**5121077**	SPACER	2	1	1	1	1	2	1	1	1	1	1	1
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT												
7A,B	**5172734**	= RETAINER	2	2	2	2	2	2	2	2				
7A,B	**181360**	= BOLT, 3/8"-24X3/4"(12.9001)	4	4	4	4	4	4	4	4				
7A,B	**103321**	= LOCKWASHER, 3/8"(12.9200)	4	4	4	4	4	4	4					
		= NOT REQUIRED IN TYPES 37 AND 49; EFFECTIVE WITH 2D-5554.												
		1.7220 - GEAR ASSY., IDLER												
		A GEAR ASSY. INCLUDES BEARING IN 1.7225.												
7C,D	**5135227**	* GEAR ASSY., 2, 3, 4, 6V-53 (L.H. HELIX; 72 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53) , 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	31	32	33	34	35	37	49	50	51	53	55
		1.7225 - BEARING, IDLER GEAR												
7F	**5196793**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
7F	**5132504**	WASHER (THRUST)	2	2	2	2	2	2	2	2	2	2	2	2
		1.7250 - HUB, IDLER GEAR												
7F	**5124458**	HUB	1	1	1	1	1	1	1	1	1	1	1	1
7F	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
		1.7260 - SPACER, IDLER GEAR HOLE												
7C	**5116220**	* SPACER	1	1	1	1	1	1	1	1	1	1	1	1
7C	**5157244**	* BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1

* THRU 2D-464 FOR TYPE 37, NOT REQUIRED WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 57	58	60	62	64	66	74	75	77	78	85	96
		1.7001 - CAMSHAFT ASSY.												
		A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.												
7A	**5121028**	CAMSHAFT ASSY. 2-53 ALL L.H. AND R.H. ENGS.		1										
7A	**5126929**	% CAMSHAFT ASSY. 3-53 RB-RC-LA-LD ENG.	1											1
7A	**5126930**	# CAMSHAFT ASSY. 3-53 RA-RD-LB-LC ENG. (5149093)							1					
7A	**5126932**	% CAMSHAFT ASSY. 4-53 RA-RB-RC-RD ENG.									1	1	1	
7B	**5126934**	= CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7)			1									
7B	**5126933**	= CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7)			1									
7B	**5132505**	CAMSHAFT ASSY. 8V-53 R.H. ENG.				2								
7B	**5199397**	* CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG., L. BANK L.H. ENG. (STAMPED V7L)					1	1		1				
7B	**5199396**	* CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG. R. BANK L.H. ENG. (STAMPED V7L)					1	1		1				
	5151277	PLUG, 1/2" DRIVE	2	2	4	4	4	4	2	4	2	2	2	2
		= USE WITH 5144019 SPRING IN 1.8340.												
		* USE WITH 5147424 SPRING IN 1.8340.												
		# NOT SERVICED. USE NUMBER IN PARENTHESES, AND TO INSURE INTERCHANGEABILITY RETAIN VALVE SPRING 5116140 ON 2 VALVE ENGINES AND REPLACE 5144019 VALVE SPRING WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES.												
		% MUST BE USED WITH 5144019 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.												
		1.7010 - BEARING, CAMSHAFT END												
		A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.												
7A	**5198431**	BEARING SET (STD. 2-53)		1										
7A	**5198982**	BEARING SET (STD. I.D., .010" O.S., O.D.)		AR										
7A	**5198468**	BEARING SET (.010"U.S.,I.D., STD. O.D.)		AR										
7A	**5198469**	BEARING SET (.020"U.S.,I.D., STD. O.D.)		AR										
7A	**5198209**	BEARING SET (STD. 3-53)	1						1					1
7A	**5198980**	BEARING SET (STD. I.D., .010" O.S., O.D.)	AR						AR					AR
7A	**5198470**	BEARING SET (.010"U.S.,I.D.,STD. O.D.)	AR						AR					AR
7A	**5198471**	BEARING SET (.020"U.S.,I.D.,STD. O.D.)	AR						AR					AR
7A	**5198984**	BEARING SET (STD. 4-53)									1	1	1	
7A	**5198979**	BEARING SET (STD. I.D., .010" O.S., O.D.)									AR	AR	AR	
7A	**5198978**	BEARING SET (.010"U.S.,I.D.,STD. O.D.)									AR	AR	AR	
7A	**5198981**	BEARING SET (.020"U.S.,I.D.,STD. O.D.)									AR	AR	AR	
7B	**5197944**	BEARING SET (STD. 6V53)			1		1	1		1				

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 57	58	60	62	64	66	74	75	77	78	85	96
		1.7010 - BEARING, CAMSHAFT END (CONT'D)												
7B	5198983	BEARING SET (STD. I.D., .010" O.S., O.D.)					AR	AR		AR				
7B	5197945	BEARING SET (.010"U.S.,I.D.,STD., O.D.)			AR		AR	AR		AR				
7B	5197946	BEARING SET (.020"U.S.,I.D.,STD., O.D.)			AR		AR	AR		AR				
7B	5197930	BEARING SET (STD. 8V53)				1								
7B	5197931	BEARING SET (.010"U.S.,I.D.,STD. O.D.)				AR								
7B	5197932	BEARING SET (.020"U.S.,I.D.,STD. O.D.)				AR								
7B	5199006	BEARING SET (STD. I.D., .010" O.S., O.D.)				AR								
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST												
7A,B	5135812	WASHER												2
7A,B	5116198	WASHER	24	24	21	24	24	24	24	24	24	24	24	
7A,B	9409028	BOLT, 3/8"-16X1"(12.9001)			13									6
7A,B	9409215	BOLT, 3/8"-16X1 1/4"(12.9001)												
		1.7060 - SEAL, CAMSHAFT OIL												
7A,B	5106223	SEAL, OIL (FRONT 2, 3, 6V-53)	2	2	2		2	2	2	2	2	2	2	2
7B	5134336	SEAL, OIL (FRONT 8V-53)				2								
		1.7061 - SLINGER, CAMSHAFT OIL												
7A,B	5134388	+ SLINGER + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029.	2	2	2	2	2	2	2	2	2	2	2	2
		1.7062 - SPACER, CAMSHAFT OIL SEAL												
7A,B	5121071	+ SPACER, .440" THK.	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5106360	* SPACER, .465" THK. + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029. * EFF. WITH 2D-23443, 3D-44070, 4D-48901, 6D-41030.	2	2	2	2	2	2	2	2	2	2	2	2
		1.7080 - SHAFT, BALANCE												
7A	5121072	SHAFT, 2-53		1										
7A	5121073	SHAFT, 3-53	1						1		1	1	1	1
7A	5121074	SHAFT, 4-53												
		1.7130 - PULLEY, FRONT BALANCE												
7A	5121107	* PULLEY, 2-53		2										
7A	8925946	PULLEY, 4-53									1	1	2	
7A	8925944	PULLEY, 3-53 (ON BALANCE SHAFT)	1						2					1
7B	5133305	PULLEY				2								
7B	8925945	PULLEY, 6V-53 (R. BANK)			2		1	1						
7B	5134241	PULLEY, 6V-53 (L. BANK)					1	1		1				
	5136420	PULLEY, 6V-53 (L. BANK)								1				
	5139572	PULLEY, 4-53									1			
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9360)	1	2	2	2	2	2	2	2	2	2	2	1
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	1	2	2	2	2	2	2	2	2	2	2	1

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 57	58	60	62	64	66	74	75	77	78	85	96
		1.7130 - PULLEY, FRONT BALANCE (CONT'D)												
		* NOT SERVICED. USE 8925945 PULLEY AND ONE (1) EACH OF 5127077 WASHER, 5187641 WASHER, 103321 LOCKWASHER, 1 86622 BOLT AND SHEET 1 OF SD-163. CAUTION: MODIFICATION OF SD-163 COULD CREATE A CLEARANCE PROBLEM ON SOME APPLICATIONS.												
		1.7140 - WEIGHT, FRONT BALANCE												
	5109504	WEIGHT, 4-53 (ON CAMSHAFT)										1		
	8925947	WEIGHT, 3-53 (ON CAMSHAFT)	1											1
7A	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)	1											1
7A	**5150087**	NUT, 1 1/8"-18	1											1
		1.7190 - WEIGHT, REAR BALANCE												
7C	**5119277**	WEIGHT (CRESCENT SHAPE, 2 HOLES)											2	
7C	**5119278**	* WEIGHT (INNER) (.2242" THICK, 5 HOLES)									2	2	2	
7C	**5109874**	* WEIGHT (.1345" THICK, 3 HOLES)	2								2	2		2
7C	**5126198**	@ WEIGHT (OUTER) (.2391" THICK, 3 HOLES)									2			
7C	**5132491**	+ # WEIGHT				2								
7C	**8927580**	BOLT, 3/8"-16X1.015" (USED AS REAR WEIGHTS) (12.9001)		4										
7C	**9409028**	# BOLT, 3/8"-16X1" (12.9001)				2								
7C	**9409215**	BOLT, 3/8"-16X1 1/4" (12.9001)											4	
7C	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)	4											4
7C	**9409035**	BOLT, 3/8"-24X1" (12.9001)									4	4		
		* EFFECTIVE WITH 3D-5209, 4D-6878 IN TYPES 50, 51, 53 AND 55. MUST BE REPLACED AS SET ON 4 CYLINDER UNITS T HRU 4D-6877 IN THESE TYPES.												
		@ THRU 3D-5208, 4D-6877 NOT SERVICED. FOR REPLACEMENT USE 5109874 AND 5119278.												
		+ NOT SERVICED; REPLACE WITH 5135324 GEAR (R.H. HELIX) OR 5135325 GEAR (L.H. HELIX).												
		# THRU 8D-127.												
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT												
7A,C	**5133387**	* GEAR (CAMSHAFT LB-LC- RA-RD, BALANCER LA-LD-RB-RC ENG.) (R.H. HELIX; 97 TEETH) (5107072)	1	1					1	1	1	1	1	1
7A,C	**5133388**	* GEAR (CAMSHAFT LA-LD- RB-RC, BALANCER LB-LC-RA-RD ENG.) (L.H. HELIX; 97 TEETH) (5107073)	1	1					1		1	1	1	1
7B	**5133387**	* GEAR, 6V-53 (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (5 107072)			1		1	1	1	1				
7B	**5133388**	* GEAR, 6V-53 L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG. (L.H. HELIX; 97 TEETH) (510 7073)			1		1	1		1				

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 57	58	60	62	64	66	74	75	77	78	85	96
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)												
7C	5135325	GEAR, 8V-53 L. BANK, R.H. ENG. (L.H. HELIX; 97 TEETH)				1								
7C	5135324	GEAR, 8V-53 R. BANK, R.H. ENG. (R.H. HELIX; 97 TEETH)				1								
7A,B	8926248	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR												
7A,B	5121077	SPACER	1	1	2	2	2	2	2	2	1	1	1	1
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT												
7A,B	5172734	= RETAINER		2	2	2	2	2	2	2			2	
7A,B	181360	= BOLT, 3/8"-24X3/4"(12.9001)		4	4	4	4	4	4	4				
7A	181361	BOLT,3/8"-24X7/8"(12.9001)											4	
7A,B	103321	= LOCKWASHER, 3/8"(12.9200)		4	4	4	4	4	4	4			4	
		= NOT REQUIRED IN TYPES 37 AND 49; EFFECTIVE WITH 2D-5554.												
		1.7220 - GEAR ASSY., IDLER												
		A GEAR ASSY. INCLUDES BEARING IN 1.7225. AN 8V-53 GEAR ASSY. INCLUDES ITEMS IN 1.7222, 1.7225, 1.7227 AND 1.7250.												
7C,D	5135227	* GEAR ASSY., 2, 3, 4, 6V-53 (L.H. HELIX; 72 TEETH)	1	1	1		1	1	1	1	1	1	1	1
7E	5146899	GEAR ASSY., 8V-53 (L.H. HELIX; 72 TEETH)				1								

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 57	58	60	62	64	66	74	75	77	78	85	96
		1.7220 - GEAR ASSY., IDLER (CONT'D)												
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53) , 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												
		1.7222 - GEAR, IDLER												
7G	**5132620**	GEAR (L.H. HELIX; 72 TEETH)				1								
		1.7225 - BEARING, IDLER GEAR												
7F	**5196793**	BEARING	1	1	1		1	1	1	1	1	1	1	1
7G	**9433162**	BEARING ASSY.				1								
7F	**5132504**	WASHER (THRUST)	2	2	2		2	2	2	2	2	2	2	2
		1.7227 - RETAINER, IDLER GEAR BEARING												
7G	**5132621**	RETAINER				1								
7G	**5132708**	BOLT, 1/4"-28X1/2" NYLON				6								
		1.7250 - HUB, IDLER GEAR												
7F	**5124458**	HUB, 2, 3, 4, 6V-53	1	1	1		1	1	1	1	1	1	1	1
7G	**5132622**	HUB, 8V-53				1								
7F	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
		1.7260 - SPACER, IDLER GEAR HOLE												
7C	**5116220**	* SPACER	1	1	1	1	1	1	1	1	1	1	1	1
7C	**5157244**	* BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
		* THRU 2D-464 FOR TYPE 37, NOT REQUIRED WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.												

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	109	137	138	139	140	141	150	151	152	153	182	189	191
		1.7001 - CAMSHAFT ASSY.														
		• FOR TYPE 188 USE TYPE 191•. A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.														
7A	5149093	CAMSHAFT ASSY. 3-53 RA-RD-LB-LC ENG. (STAMPED V7L)								1		1				
7A	5149091	CAMSHAFT ASSY. 3-53 RB-RC-LA-LD ENG. (STAMPED V7L)									1				1	
7A	5149095	* CAMSHAFT ASSY. 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)			1	1	1	1	1				1	1		
7B	5199397	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)		1												1
7B	5199396	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)		1												1
7B	5132505	CAMSHAFT ASSY., 8V53 (R.H. ENG.)	2													
	5151277	PLUG, 1/2" DRIVE	4	4	2	2	2	2	2	2	2	2	2	2	2	4
		* MUST BE USED WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.														
		1.7010 - BEARING, CAMSHAFT END														
		A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.														
A	5198209	BEARING SET (STD. 3-53)								1	1	1			1	
A	5198980	BEARING SET (STD. I.D., .010" O.S., O.D.)								AR	AR	AR			AR	
7A	5198470	BEARING SET (.010" U.S. I.D., STD., O.D.)								AR	AR	AR			AR	
7A	5198471	BEARING SET (.020" U.S. I.D. STD. O.D.)								AR	AR	AR			AR	
7A	5198984	BEARING SET (STD. 4-53)			1	1	1	1	1				1	1		
7A	5198979	BEARING SET (STD. I.D., .010" O.S., O.D.)			AR	AR	AR	AR	AR				AR	AR		
7A	5198978	BEARING SET (.010" U.S. I.D. STD. O.D.)			AR	AR	AR	AR	AR				AR	AR		
7A	5198981	BEARING SET (.020" U.S. I.D. STD. O.D.)			AR	AR	AR	AR	AR				AR	AR		
7B	5197944	BEARING SET (STD. 6V-53)		1												1
7B	5198983	BEARING SET (STD. I.D., .010" O.S., O.D.)		AR												AR
7B	5197945	BEARING SET (.010" U.S. I.D., STD. O.D.)		AR												AR
7B	5197946	BEARING SET (.020" U.S. I.D., STD. O.D.)		AR												AR
7B	5197930	BEARING SET (STD. 8V-53)	1													
7B	5197931	BEARING SET (.010"U.S. I.D. STD. O.D.)	AR													
7B	5197932	BEARING SET (.020" U.S. I.D. STD. O.D.)	AR													
7B	5199006	BEARING SET (STD I.D., .010" O.S., O.D.)	AR													
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST														
7A,B	5116198	WASHER	24	24	24	24	24	24	24	24	24	24	24	24	24	24
7A,B	9409028	BOLT, 3/8"-16X1"(12.9001)														
		1.7060 - SEAL, CAMSHAFT OIL														
7A,B	5106223	SEAL, OIL (FRONT 3, 4, 6V-53)		2	2	2	2	2	2	2	2	2	2	2	2	2
7B	5134336	SEAL, OIL (FRONT 8V-53)	2													

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	109	137	138	139	140	141	150	151	152	153	182	189	191
		1.7061 - SLINGER, CAMSHAFT OIL														
7A,B	5134388	+ SLINGER + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.7062 - SPACER, CAMSHAFT OIL SEAL														
7A,B	5121071	+ SPACER, .440" THK.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	5106360	‡ SPACER, .465" THK. + THRU 2D-23442, 3D-44069, 4D-48900, 6D-41029. ‡ EFF. WITH 2D-23443, 3D-44070, 4D-48901, 6D-41030.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.7080 - SHAFT, BALANCE														
7A	5121074	SHAFT, 4-53			1	1	1	1	1				1	1		
7A	5121073	SHAFT, 3-53								1	1	1			1	
		1.7130 - PULLEY, FRONT BALANCE														
7B	5133305	PULLEY, 8V-53	2													
7A	8925946	PULLEY, 4-53			2	2	1	1	2				2	1		
7A	5139572	PULLEY, 4-53						1		2	1	2			2	
7A	8925944	PULLEY, 3-53												1		
7A	5104254	PULLEY, 4-53														2
7B	8925945	PULLEY, 6V-53		2												
7A,B	8926248	KEY, 3/16"X5/8" WOODRUFF (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2	2	4
7A,B	5150087	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2	2	4
		1.7140 - WEIGHT, FRONT BALANCE														
	5109504	WEIGHT, 4-53 (ON CAMSHAFT)					1									
	8925947	WEIGHT, 3-53 (ON CAMSHAFT)									1					
		1.7190 - WEIGHT, REAR BALANCE														
7C	5119277	WEIGHT (OUTER) .2391" THICK, 2 HOLES				2			2	2		1	2		1	
7C	5119278	WEIGHT (INNER) .2242" THICK, 5 HOLES	2		2	2	2	2			2	2	2		1	
7C	5109874	WEIGHT (.1345" THICK, 3 HOLES)			4		4	4		4	2	1		2	2	4
7C	9409028	BOLT, 3/8"-16X1" (12.9001)								4	2					
7C	9409131	BOLT, 3/8"-24X3/4" (12.9001)								2	2					
	9409035	BOLT, 3/8"-24X1" (12.9001)			4		4	4						4		
7C	9409215	BOLT, 3/8"-24X1 1/4" (12.9001)				4			4				4			
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT														
7C	5135324	GEAR (R. BANK R.H. ENG.) (R.H. HELIX; 97 TEETH)	1													
7C	5135325	GEAR (L. BANK R.H. ENG.) (L.H. HELIX; 97 TEETH)	1													
	5133387	* GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (5107072)		1	1	1	1	1	1	1	1	2	1	1	1	1

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	109	137	138	139	140	141	150	151	152	153	182	189	191
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)														
	5133388	* GEAR (L. BANK CAMSHAFT, R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 97 TEETH) (5107073)		1	1	1	1	1	1	1	1	2	1	1	1	1
7A,B	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	**5150087**	NUT, 1 1/8"-18 (1.7140)	2	2		2									2	
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).														
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR														
7A,B	**5121077**	SPACER	2	2	1	1	1	1	1	1	1	1	1	1	1	2
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT														
7A,B	**5172734**	RETAINER	2	2		2			2	3		2	2		2	
7A,B	**181360**	BOLT, 3/8"-24X3/4"(12.9001)	4	4						4		4			4	
7A,B	**181361**	BOLT, 3/8"-24X7/8" (12.9001)				4			4				4			
7A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4		4			4	4		4	4		4	
		1.7220 - GEAR ASSY., IDLER														
		A GEAR ASSY. INCLUDES BEARING IN 1.7225. AN 8V-53 GEAR ASSY. INCLUDES ITEMS IN 1.7222, 1.7225, 1.7227 AND 1.7250.														
7E	**5146899**	GEAR ASSY., 8V-53 (L.H. HELIX; 72 TEETH)	1													
7E	**5135227**	* GEAR ASSY., 3, 4, 6V-53 (L.H. HELIX; 72 TEETH)		1		1									1	1

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	109	137	138	139	140	141	150	151	152	153	182	189	191
		1.7220 - GEAR ASSY., IDLER (CONT'D)														
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53) , 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).														
		1.7222 - GEAR, IDLER														
7G	**5132620**	GEAR (L.H. HELIX; 72 TEETH)	1													
		1.7225 - BEARING, IDLER GEAR														
7G	**9433162**	BEARING ASSY.	1													
7G	**5196793**	BEARING		12	12	12	12	12	12	12	12	12	12	12	12	12
7G	**5132504**	WASHER														
		1.7227 - RETAINER, IDLER GEAR BEARING														
7G	**5132621**	RETAINER	1													
7G	**5132708**	BOLT, 1/4"-28X1/2" NYLON	6													
		1.7250 - HUB, IDLER GEAR														
7G	**5132622**	HUB, 8V-53	1													
	5124458	HUB, 3, 4, 6V-53		11	11	11	11	11	11	11	11	11	11	11	11	11
7F	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)	1													
		1.7260 - SPACER, IDLER GEAR HOLE														
	5116220	* SPACER				11			11							
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)														
		* NOT REQUIRED IN ANY TYPE WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.														

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 200	219	220	221	252	265	266	267	268	269	270	271
		1.7001 - CAMSHAFT ASSY.												
		A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.												
7A	**5126930**	# CAMSHAFT ASSY., 3-53 RA-RD-LB-LC ENG. (5149093)	1											
7A	**5149095**	% CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)		1								1	1	1
7A	**5149091**	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG. (STAMPED V7L)			1			1			1			
7A	**5149097**	CAMSHAFT ASSY., 4-53 LA-LB-LC-LD ENG. (STAMPED V7L)				1								
7A	**5149093**	CAMSHAFT ASSY., 3-53T RA-RD-LB-LC ENG. (STAMPED V7L)					1			1				
7A	**5126929**	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG.							1					
	5151277	PLUG, 1/2" DRIVE	2	2	2	2	2	2	2	2	2	2	2	2
		# NOT SERVICED. USE NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY RETAIN VALVE SPRING 5116140 ON 2 VALVE ENGINES AND REPLACE 5144019 VALVE SPRING WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES.												
		% MUST BE USED WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES AND *5116140 VALVE SPRING ON 2 VALVE* ENGINES.												
		1.7010 - BEARING, CAMSHAFT END												
		A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.												
7A	**5198209**	BEARING SET (STD. 3-53)	1		1		1	1	1	1	1			
7A	**5198980**	BEARING SET (STD. I.D., .010" O.S. O.D.)	AR		AR		AR	AR	AR	AR	AR			
7A	**5198470**	BEARING SET (.010" U.S. I.D., STD. O.D.)	AR		AR		AR	AR	AR	AR	AR			
7A	**5198471**	BEARING SET (.020" U.S. I.D., STD. O.D.)	AR		AR		AR	AR	AR	AR	AR			
7A	**5198984**	BEARING SET (STD. 4-53)		1		1						1	1	1
7A	**5198979**	BEARING SET (STD. I.D. .010" O.S. O.D.)		AR		AR						AR	AR	AR
7A	**5198978**	BEARING SET (.010" U.S. I.D., STD. O.D.)		AR		AR						AR	AR	AR
7A	**5198981**	BEARING SET (.020" U.S. I.D., STD. O.D.)		AR		AR						AR	AR	AR
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST												
7A	**5116198**	WASHER	2	2	2	2	2	2	2	2	2	2	2	2
7A	**9409028**	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
		1.7060 - SEAL, CAMSHAFT OIL												
7A,B	**5106223**	SEAL (FRONT 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2	2
		1.7061 - SLINGER, CAMSHAFT OIL												
7A	**5134388**	SLINGER	2	2	2	2								

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 200	219	220	221	252	265	266	267	268	269	270	271
		1.7062 - SPACER, CAMSHAFT OIL SEAL												
7A	**5121071**	SPACER, .440" THK.	2	2	2	2								
7A	**5106360**	SPACER, .465" THK.					1	2	2	2	2	2	2	2
		1.7080 - SHAFT, BALANCE												
7A	**5121073**	SHAFT, 3-53	1		1	1	1	1	1	1	1			
7A	**5121074**	SHAFT, 4-53		1								1	1	1
		1.7130 - PULLEY, FRONT BALANCE												
7A	**8925944**	PULLEY, 3-53	2		2		2	2	2	1	1			
7A	**8925946**	PULLEY, 4-53		2		2						2	2	1
7A	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
7A	**5150087**	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2
		1.7140 - WEIGHT, FRONT BALANCE												
	8925947	WEIGHT, 3-53 (ON CAMSHAFT)									1			
	5109504	WEIGHT, 4-53 (ON CAMSHAFT)												1
		1.7190 - WEIGHT, REAR BALANCE												
7A,C	**5119277**	WEIGHT (ON CAMSHAFT)	2	2	2	2	2	2	2	2		2	2	
7A, C	**5119278**	WEIGHT (ON CAMSHAFT)		2		2					2	2	2	2
7A,C	**5109874**	WEIGHT (ON CAMSHAFT)	4		4		4	4	4	4				
7A, C	**9409028**	BOLT, 3/8"-16X1" (12.9001)		4		4					4	4	4	
7A, C	**9409215**	BOLT, 3/8"-16X1 1/4" (12.9001)												4
7A,C	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)												
7A,C	**9409035**	BOLT, 3/8"-24X1" (12.9001)												
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT												
7A,C	**5133387**	* GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (510707 2)	1	1	1	1	1							
7A,C	**5133388**	* GEAR (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 97 TEETH) (510707 3)	1	1	1	1	1							
7A,C	**5107072**	GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 111 TEETH)						1	1	1	1	1	1	1
7A,C	**5107073**	GEAR (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 111 TEETH)						1	1	1	1	1	1	1
7A	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2
7A	**5150087**	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 200	219	220	221	252	265	266	267	268	269	270	271
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)												
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR												
7A	**5121077**	SPACER	1	1	1	1	1	1	1	1	1	1	1	1
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT												
7A	**5172734**	RETAINER	2	2	2	2	2	2	2	2		2	2	
7A	**181360**	BOLT, 3/8"-24X3/4" (12.9001)	4		4		2	4	4	4				
A	**181361**	BOLT, 3/8"-24X7/8" (12.9001)		4		4	2					4	4	
A	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4		4	4	
		1.7220 - GEAR ASSY., IDLER												
		A GEAR ASSY. INCLUDES BEARING IN 1.7225.												
7C	**5135227**	* GEAR ASSY. (L.H. HELIX; 72 TEETH)	1	1	1	1	1							
7C	**5107075**	GEAR ASSY. (L.H. HELIX; 82 TEETH)						1	1	1	1	1	1	1
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53) , 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).												
		1.7225 - BEARING, IDLER GEAR												
7F	**5196793**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
7F	**5132504**	WASHER (THRUST)	2	2	2	2	2	2	2	2	2	2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 200	219	220	221	252	265	266	267	268	269	270	271
		1.7250 - HUB, IDLER GEAR												
7F	**5124458**	HUB	1	1	1	1	1	1	1	1	1	1	1	1
7F	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1
		1.7260 - SPACER, IDLER GEAR HOLE												
7C	**5116220**	* SPACER	1											
7C	**5157244**	* BOLT, 3/8"-16X1 3/4" (4.4190)	1											

* NOT REQUIRED IN ANY TYPE WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	274	275	276	277	278	279	280	281	297	298	299
		1.7001 - CAMSHAFT ASSY.													
		A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.													
7A	5126932	% CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG.	1												
7A	5149097	CAMSHAFT ASSY., 4-53 LA-LB-LC-LD ENG. (STAMPED V7L)		1											
7A	5149095	CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)			1	1									
7B	5199397	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)					1							1	
7B	5199396	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)					1							1	
7B	5126934	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7)						1					1		1
7B	5126933	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7)						1					1		1
7A	5126929	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG. (STAMPED V7)							1						
7A	5149091	CAMSHAFT ASSY., 3-53 RB-RC-LA-LD ENG. (STAMPED V7L)								1					
7A	5149093	CAMSHAFT ASSY., 3-53 RA-RD-LB-LC ENG. (STAMPED V7L)									1	1			
	5151277	PLUG, 1/2" DRIVE	2	2	2	2	4	4	2	2	2	2	4	4	4
		% MUST BE USED WITH 5144019 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.													
		1.7010 - BEARING, CAMSHAFT END													
		A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.													
7A	5198209	BEARING SET (STD. 3-53)							1	1	1	1			
7A	5198980	BEARING SET (STD. I.D., .010" O.S. O.D.)							AR	AR	AR	AR			
7A	5198470	BEARING SET (.010" U.S. I.D., STD. O.D.)							AR	AR	AR	AR			
7A	5198471	BEARING SET (.020" U.S. I.D., STD. O.D.)							AR	AR	AR	AR			
7A	5198984	BEARING SET (STD. 4-53)	1	1	1	1									
7A	5198979	BEARING SET (STD. I.D., .010" O.S. O.D.)	AR	AR	AR	AR									
7A	5198978	BEARING SET (.010" U.S. I.D., STD. O.D.)	AR	AR	AR	AR									
7A	5198981	BEARING SET (.020" U.S. I.D., STD. O.D.)	AR	AR	AR	AR									
7B	5197944	BEARING SET (STD. 6V-53)					1	1					1	1	1
7B	5198983	BEARING SET (STD. I.D., .010" O.S. O.D.)					AR	AR					AR	AR	AR
7B	5197945	BEARING SET (.010" U.S. I.D., STD. O.D.)					AR	AR					AR	AR	AR
7B	5197946	BEARING SET (.020" U.S. I.D., STD. O.D.)					AR	AR					AR	AR	AR
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST													
7A,B	5116198	WASHER	2	2	2	2	2	2		2	2	2	2	2	2
7A,B	5135812	WASHER							2						
7A,B	9409028	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	6	4	4	4	4	4	4

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	274	275	276	277	278	279	280	281	297	298	299
		1.7060 - SEAL, CAMSHAFT OIL													
7A,B	**5106223**	SEAL, OIL (FRONT 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.7062 - SPACER, CAMSHAFT OIL SEAL													
7A,B	**5106360**	SPACER, .465" THK.	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	**5121071**	SPACER, .440" THK.			1										
		1.7080 - SHAFT, BALANCE													
7A	**5121074**	SHAFT, 4-53	1	1	1	1			1	1	1	1			
7A	**5121073**	SHAFT, 3-53													
		1.7130 - PULLEY, FRONT BALANCE													
7A	**8925944**	PULLEY, 3-53							1	1	2	2			
7B	**8925945**	PULLEY, 6V-53						2					2		2
7A,B	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)						2	2	2	4	4	2		2
7A,B	**5150087**	NUT, 1 1/8"-18 (1.7140)						2	2	2	4	4	2		2
		1.7140 - WEIGHT, FRONT BALANCE													
	8925947	WEIGHT, 3-53 (ON CAMSHAFT)							1	1					
		1.7190 - WEIGHT, REAR BALANCE													
7A	**5109874**	WEIGHT (.1345" THICK, 3 HOLES)							2	2					
7A	**5119277**	WEIGHT (.2391" THICK, 2 HOLES)									2	2			
7A	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)							4	4					
7A	**9409028**	BOLT, 3/8"-16X1" (12.9001)									4	4			
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT													
7A,B	**5107072**	GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 111 TEETH)	1	1	1	1	1	1	1	1	1	1		1	1
7A,B	**5107073**	GEAR (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 111 TEETH)	1	1	1	1	1	1	1	1	1	1		1	1
7B	**5133387**	* GEAR (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.) (R.H. HELIX; 97 TEETH) (5107072)											1		
7B	**5133388**	* GEAR (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.) (L.H. HELIX; 97 TEETH) (5107073)											1		
7A,B	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2			2	2	2
7A,B	**5150087**	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2			2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	274	275	276	277	278	279	280	281	297	298	299
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)													
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V53), 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-5 3) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).													
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR													
7A,B	**5121077**	SPACER	1	1		1	2	2	1	1	1	1	2	2	2
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT													
7A,B	**5172734**	RETAINER	2	2			2				2	2	2	2	2
7A	**181360**	BOLT, 3/8"-24X3/4" (12.9001)										4			4
7A,B	**181361**	BOLT, 3/8"-24X7/8" (12.9001)	4	4			4				4		4	4	
7A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4			4				4	4	4	4	4
		1.7220 - GEAR ASSY., IDLER													
		INCLUDES BEARING IN 1.7225.													
7C	**5107075**	GEAR ASSY. (L.H. HELIX; 82 TEETH)	1	1	1	1	1	1	1	1	1	1		1	1
	5135227	* GEAR ASSY. (L.H. HELIX; 72 TEETH)											1		
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107075 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53) , 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).													
		1.7225 - BEARING, IDLER GEAR													
7F	**5196793**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1
7F	**5132504**	WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 272	273	274	275	276	277	278	279	280	281	297	298	299
		1.7250 - HUB, IDLER GEAR													
7F	**5124458**	HUB	1	1	1	1	1	1	1	1	1	1	1	1	1
7F	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1	1	1
		1.7260 - SPACER, IDLER GEAR HOLE													
	5116220	* SPACER									1				
	5157244	* BOLT, 3/8"-16X1 3/4" (4.4190)									1				

* NOT REQUIRED IN ANY TYPE WITH FLYWHEEL HOUSING HAVING INTEGRAL IDLER GEAR HOLE SPACER.

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 302	310	311	315	387	401	414	415	426	427	433	466	470
		1.7001 - CAMSHAFT ASSY.													
		• FOR TYPE 382 USE TYPE 265.▪ A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.													
7B	**5199397**	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG., L. BANK L.H. ENG. (STAMPED V7L)	1	1		1			1						
7B	**5199396**	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG., R. BANK L.H. ENG. (STAMPED V7L)	1	1		1			1						
7A	**5149095**	% CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)			1							1			
7A	**5149093**	CAMSHAFT ASSY., 3-53 RA-RD-LB-LC ENG. (STAMPED V7L)					1			1					
7B	**5126934**	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG., L. BANK L.H. ENG. (STAMPED V7)						1			1		1		
7B	**5126933**	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG., R. BANK L.H. ENG. (STAMPED V7)						1			1		1		
7A	**8927164**	CAMSHAFT ASSY., 3-53 RA, RD, LB, LC ENG. (STAMPED V7L)												1	
7A	**8927165**	CAMSHAFT ASSY., 4-53 RA, RB, RC, RD ENG. (STAMPED V7L)													1
7A,B	**5151277**	PLUG, 1/2" DRIVE	4	4	2	4	2	4	4	2	4	2	4	2	2
		% MUST BE USED WITH 5147424 VALVE SPRING ON 4 VALVE ENGINES AND 5116140 VALVE SPRING ON 2 VALVE ENGINES.													
		1.7010 - BEARING, CAMSHAFT END													
		A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.													
7B	**5197944**	BEARING SET (STD. 6V-53)	1	1		1		1	1		1		1		
7B	**5198983**	BEARING SET (STD. I.D., .010" O.S. O.D.)	AR	AR		AR		AR	AR		AR		AR		
7B	**5197945**	BEARING SET (.010" U.S. I.D., STD. O.D.)	AR	AR		AR		AR	AR		AR		AR		
7B	**5197946**	BEARING SET (.020" U.S. I.D., STD. O.D.)	AR	AR		AR		AR	AR		AR		AR		
7A	**5198984**	BEARING SET (STD. 4-53)			1							1			1
7A	**5198979**	BEARING SET (STD. I.D. .010" O.S. O.D.)			AR							AR			AR
7A	**5198978**	BEARING SET (.010" U.S. I.D., STD. O.D.)			AR							AR			AR
7A	**5198981**	BEARING SET (.020" U.S. I.D., STD. O.D.)			AR							AR			AR
7A	**5198209**	BEARING SET (STD. 3-53)					1			1				1	
7A	**5198980**	BEARING SET (STD. I.D., .010" O.S., O.D.)					AR			AR				AR	
7A	**5198470**	BEARING SET (.010" U.S., I.D., STD. O.D.)					AR			AR				AR	
7A	**5198471**	BEARING SET (.020" U.S., I.D., STD. O.D.)					AR			AR				AR	
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST													
7A,B	**5116198**	WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	**9409028**	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 302	310	311	315	387	401	414	415	426	427	433	466	470
		1.7060 - SEAL, CAMSHAFT OIL													
7A,B	**5106223**	SEAL, OIL (FRONT 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.7062 - SPACER, CAMSHAFT OIL SEAL													
7A,B	**5106360**	SPACER	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.7080 - SHAFT, BALANCE													
7A	**5121073**	SHAFT, 3-53					1			1		1		1	
7A	**5121074**	SHAFT, 4-53													1
		1.7130 - PULLEY, FRONT BALANCE													
7B	**8925945**	PULLEY, 6V-53	2	2		2		2	2		2		1		
7A	**8925946**	PULLEY, 4-53			1							2			
7A	**8925944**	PULLEY, 3-53					2			2					
7A	**5136420**	PULLEY, 6V-53 (9 GROOVE)											1		
7A	**8925941**	PULLEY, 3-53												2	
7A	**8925943**	PULLEY, 4-53													2
7A,B	**8926248**	KEY, 3/16"X5/8" WOODRUFF (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	**5150087**	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.7190 - WEIGHT, REAR BALANCE													
7A,C	**5119277**	WEIGHT, 3, 4-53 (ON CAMSHAFT)			2		2			2		2			2
7A,C	**5119278**	WEIGHT, 4-53 (ON CAMSHAFT)			2							2		2	2
7A,C	**8926004**	WEIGHT, 3, 4-53 (ON CAMSHAFT)			4		4			2		4		4	4
7A,C	**9409215**	BOLT, 3/8"-16X1 1/4" (12.9001)													
7A,C	**9409028**	BOLT, 3/8"-16X1" (12.9001)													
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT													
7A,B	**5133387**	* GEAR (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-97 TEETH)	1		1	1									
7A,B	**5133388**	* GEAR (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-97 TEETH)	1		1	1									
7A	**5107073**	GEAR (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-111 TEETH)		1			1	1	1	1	1	1	1		1
7A	**5107072**	GEAR (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-111 TEETH)		1			1	1	1	1	1	1	1		1
	8924987	GEAR, HARDENED (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-111 TEETH)												1	
7A,C	**8924988**	GEAR, HARDENED (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-111 TEETH)												1	
7A,B	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2	2	2	2	2	2	2	2	2	2	2	2
7A,B	**5150087**	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2	2	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 302	310	311	315	387	401	414	415	426	427	433	466	470
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT (CONT'D)													
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 51 07075, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 510 7076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53), 510708 1 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2- 53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).													
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR													
7A,B	**5121077**	SPACER	2	2	1	2	1	2	2	1	2	1	2	1	1
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT													
7A,B	**5172734**	RETAINER	2	2	2	2	2	2	2	2	2	2	2	2	2
7A	**181360**	BOLT, 3/8"-24X3/4" (12.9001)	4	4		4	4	4	4	2	4		4	2	
B	**181361**	BOLT, 3/8"-24X7/8" (12.9001)			4					2		4		2	4
A,B	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	4
		1.7220 - GEAR ASSY., IDLER													
		INCLUDES BEARING IN 1.7225.													
	5135227	* GEAR ASSY., 4, 6V-53 (L.H. HELIX; 72 TEETH)	1		1										
	5107075	GEAR ASSY., 3, 4, 6V-53 (L.H. HELIX; 82 TEETH)		1		1	1	1	1	1	1	1	1		1
	8924990	GEAR ASSY., 3-53 HARDENED (L.H. HELIX; 82 TEETH-STAMPED 8924989)												1	
		* NOT SERVICED. USE 5107075 AND TO INSURE INTERCHANGEABILITY USE (1) EACH OF 5107071, 5107072 RH HELIX, 510 7073 LH HELIX, FUEL PUMP DRIVE GEAR 5107087 (LH HELIX) OR 5107088 (RH HELIX), GOVERNOR DRIVE GEAR 5107077 (LH), 5107076 (RH) OR 5107508 (RH) (5033-6299), BLOWER ROTOR GEARS 5107083 (RH) AND 5107084 (LH) (4 & 6V-53) , 5107081 (RH) AND 5107084 (LH) (4-53), 5107081 (RH) AND 5107082 (LH) (2 & 3-53), 5108171 (RH) AND 5107082 (LH) (2-53) AND BLOWER DRIVE GEAR 5107078 (LH) OR 5107079 (RH).													

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 302	310	311	315	387	401	414	415	426	427	433	466	470
		1.7225 - BEARING, IDLER GEAR													
7F	**5196793**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1
7F	**5132504**	WASHER	2	2	2	2	2	2	2	2	2	2	2	2	2
		1.7250 - HUB, IDLER GEAR													
7F	**5124458**	HUB	1	1	1	1	1	1	1	1	1	1	1	1	1
7F	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	2	2	1	1	1	1	1	1	1

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 486	509	556	559	561	569	570	571	572	593	625
		1.7001 - CAMSHAFT ASSY.											
		A CAMSHAFT ASSY. INCLUDES PLUGS IN 1.7001.											
7B	**5199397**	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)	1					1	1				1
7B	**5199396**	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)	1					1	1				1
7B	**8927167**	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7L)		1							1		
7B	**8927166**	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7L)		1							1		
7A	**5149095**	CAMSHAFT ASSY., 4-53 RA-RB-RC-RD ENG. (STAMPED V7L)			1								
7B	**5126934**	CAMSHAFT ASSY., 6V-53 R. BANK R.H. ENG.; L. BANK L.H. ENG. (STAMPED V7)				1							
7B	**5126933**	CAMSHAFT ASSY., 6V-53 L. BANK R.H. ENG.; R. BANK L.H. ENG. (STAMPED V7)				1							
7A	**5149091**	CAMSHAFT ASSY. 3-53 RB-RC-LA-LD ENG. (STAMPED V7L)					1						
7A	**8927165**	CAMSHAFT ASSY. 4-53 RA-RB-RC-RD (STAMPED V7L)								1			
7A	**8923998**	CAMSHAFT ASSY. 3-53 LB-LC-RA-RD (STAMPED V7L)										1	
7A,B	**5151277**	PLUG, 1/2" DRIVE	4	4	2	4	2	4	4	2	4	2	4
		1.7010 - BEARING, CAMSHAFT END											
		A SET INCLUDES ALL END AND INTERMEDIATE BEARINGS WHICH ARE NOT SOLD SEPARATELY.											
7B	**5197944**	BEARING SET (STD. 6V-53)	1	1		1		1	1		1		1
7B	**5198983**	BEARING SET (STD. I.D., .010" O.S. O.D.)	AR	AR		AR		AR	AR		AR		AR
7B	**5197945**	BEARING SET (.010" U.S. I.D., STD. O.D.)	AR	AR		AR		AR	AR		AR		AR
7B	**5197946**	BEARING SET (.020" U.S. I.D., STD. O.D.)	AR	AR		AR		AR	AR		AR		AR
7A	**5198984**	BEARING SET (STD. 4-53)			1					1			
7A	**5198979**	BEARING SET (STD. I.D. .010" O.S. O.D.)			AR					AR			
7A	**5198978**	BEARING SET (.010" U.S. I.D., STD. O.D.)			AR					AR			
7A	**5198981**	BEARING SET (.020" U.S. I.D., STD. O.D.)			AR					AR			
7A	**5198209**	BEARING SET (STD. 3-53)					1					1	
7A	**5198980**	BEARING SET (STD. I.D., .010" O.S., O.D.)					AR					AR	
7A	**5198470**	BEARING SET (.010" U.S., I.D., STD. O.D.)					AR					AR	
7A	**5198471**	BEARING SET (.020" U.S., I.D., STD. O.D.)					AR					AR	
		1.7030 - WASHER, CAM AND BALANCE SHAFT END BEARING THRUST											
7A,B	**5116198**	WASHER	2	2	2	2	2	2	2	2	2	2	2
7A,B	**9409028**	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4	4	4	4	4	4

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 486	509	556	559	561	569	570	571	572	593	625
		1.7060 - SEAL, CAMSHAFT OIL											
7A,B	**5106223**	SEAL, OIL (FRONT 3, 4, 6V-53)	2	2	2	2	2	2	2	2	2	2	2
		1.7062 - SPACER, CAMSHAFT OIL SEAL											
7B	**5106360**	SPACER	2	2	2	2	2	2	2	2	2	2	2
		1.7080 - SHAFT, BALANCE											
	5121074	SHAFT, 4-53			1		1			1		1	
	5121073	SHAFT, 3-53											
		1.7130 - PULLEY, FRONT BALANCE											
7B	**8925942**	PULLEY, 6V-53	2	2		2		2	2		2		2
7A	**8925946**	PULLEY, 4-53			2		2			2		2	
7A	**8925944**	PULLEY, 3-53											
7A	**8925943**	PULLEY, 4-53T											
7A,B	**8926248**	KEY, 3/16"X5/8" WOODRUFF (12.9350)	2	2	2	2	2	2	2	2	2	2	2
7A,B	**5150087**	NUT, 1 1/8"-18 (1.7140)	2	2	2	2	2	2	2	2	2	2	2
		1.7190 - WEIGHT, REAR BALANCE											
	8926005	WEIGHT, 6V-53	2	2		2		2	2		2		2
7A	**5119277**	WEIGHT, 3,4-53			2		2			2		2	
7A	**5119278**	WEIGHT, 4-53			2					2			
7A	**8926004**	WEIGHT, 4-53					4					4	
	9409028	BOLT, 3/8"-16X1" (12.9001)											
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	4	4		4			4		4		4
7A	**9409215**	BOLT, 3/8"-16X1 1/4" (12.9001)			4					4			
		1.7200 - GEAR, CAMSHAFT AND BALANCE SHAFT											
7B	**5107072**	GEAR (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-111 TEETH)	1	1		1		1	1		1	1	1
7B	**5107073**	GEAR (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-111 TEETH)	1	1		1		1	1		1	1	1
	8924987	GEAR, HARDENED (R.H. HELIX) (R. BANK CAMSHAFT R.H. ENG., L. BANK CAMSHAFT L.H. ENG.-111 TEETH)			1		1			1			
	8924988	GEAR, HARDENED (L.H. HELIX) (L. BANK CAMSHAFT R.H. ENG., R. BANK CAMSHAFT L.H. ENG.-111 TEETH)			1		1			1			
7B	**8926248**	KEY, 3/16"X5/8" SPECIAL (12.9350)	2	2		2	2	2	2	2	2	2	2
7B	**5150087**	NUT, 1 1/8"-18 (1.7140)	2	2		2	2	2	2	2	2	2	2
		1.7202 - SPACER, CAMSHAFT AND BALANCE SHAFT GEAR											
7A,B	**5121077**	SPACER	2	2	1	2	1	2	2	1	2	1	2

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1.7000 CAMSHAFT AND GEAR TRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 486	509	556	559	561	569	570	571	572	593	625
		1.7207 - RETAINER, CAM AND BALANCE SHAFT GEAR NUT											
7B	**5172734**	RETAINER	2	2	2		2	2	2	2	2	2	
7B	**181360**	BOLT, 3/8"-24X3/4" (12.9001)	4	4			4	4	4		4	4	
7A	**181361**	BOLT, 3/8"-24X7/8" (12.9001)			4					4			
7B	**103321**	LOCKWASHER, 3/8" (12.9200)	4	4	4		4	4	4	4	4	4	
		1.7220 - GEAR ASSY., IDLER											
		A GEAR ASSY. INCLUDES BEARING IN 1.7225.											
	5107075	GEAR ASSY., (L.H. HELIX; 82 TEETH)	1	1		1		1	1		1	1	1
	8924990	GEAR ASSY., HARDENED (L.H. HELIX; 82 TEETH-STAMPED 8924989)			1		1			1			
		1.7225 - BEARING, IDLER GEAR											
7F	**5196793**	BEARING	1	1	1	1	1	1	1	1	1	1	1
7F	**5132504**	WASHER	2	2	2	2	2	2	2	2	2	2	2
		1.7250 - HUB, IDLER GEAR											
7F	**5124458**	HUB	1	1	1	1	1	1	1	1	1	1	1
7F	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)	1	1	1	1	1	1	1	1	1	1	1

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1.7000A BALANCE WEIGHT COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 52	53	54	55	56	57	58	59	60	61	62	63
		1.7470 - COVER, BALANCE WEIGHT												
		A COVER ASSEMBLY INCLUDES DOWEL PINS IN 1.7470.												
	5133674	COVER ASSY. (1.3161)	1											
	5119428	COVER ASSY. (1.3161)		1										1
	5128026	COVER ASSY. (ALSO INCLUDES PLUGS IN 1.7470) (1.3161)			1									
	5109807	COVER ASSY. (ALSO INCLUDES PLUGS AND HELI-COILS) (1.3161)				1				1		1	1	
	5126008	COVER ASSY. (ALSO INCLUDES PLUG AND NIPPLE IN 1.7470) (1.3161)					1							
	5128025	COVER ASSY. (ALSO INCLUDES PLUG AND NIPPLE IN 1.7470) (1.3161)						1						
	5101347	COVER ASSY. (1.3161)							1		1			
	5119481	ELEMENT (4.8060)					1	1						
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	2	2					2		2			2
	456378	PIN, 1/4"X2" SPRING (12.9270)	1											
	5157933	PIN, 5/16"X7/8" DOWEL (3.4140)			2	2	2	2		2		2	2	
	5150829	PLUG, 7/8" CUP (4.8001)			2	2	1	1		2		2	2	
	5101391	PLUG, AIR HEATER (1.3161)								1			1	
	452712	INSERT, HELI-COIL 7/16"-14X7/16" (12.9118)				2				2		2	2	
	5119477	NIPPLE (5.2160)					1	1						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	9	9					9		9			9
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									4			4
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		4	11	11	11	11	4	11		11	11	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	4											
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			12	12	12	12		12		12	12	
	180078	BOLT, 5/16"-18X7/8" (12.9001)								3			3	
	5155596	WASHER, 21/64"X9/16" COPPER (4.7120)								3			3	
	103341	WASHER, 3/8" (12.9190)	13			23			13	23	13	23	23	
	103321	LOCKWASHER, 3/8" (12.9200)	13	13	23	23	23	23	13	23	13	23	23	13
		1.7472 - SEAL, BALANCE WEIGHT COVER OIL												
	5106223	SEAL (1.7060)	2	2	2	2	2	2	2	2	2	2	2	2
	5109517	SEAL, RING (7.8040)								1			1	
		1.7480 - GASKET, BALANCE WEIGHT COVER												
	5121082	GASKET (1.3170)	1	1					1		1			1
	5124055	GASKET (1.3170)			1	1	1	1		1		1	1	
	5109496	GASKET (7.8040)								1			1	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	41	47	57	60	61	76	77	82	92	95	118	131
		1.7604 - GASKET, ACCESSORY DRIVE													
	5104506	GASKET (1.5040)	1	1	1	1	1	1	1					1	
		1.7605 - PULLEY, ACCESSORY DRIVE													
	NPN	PULLEY (CUSTOMER FURNISHED)							AR						
8B	**5100268**	PULLEY (5 1/4" DIA., SINGLE GROOVE) (7.1505)				1									
8A	**5168696**	PULLEY (5 1/2" DIA., DOUBLE GROOVE)	1				1							1	2
8B	**5164291**	PULLEY (5 1/2" DIA., SINGLE GROOVE)		1											
	5133838	PULLEY (5 1/2" DIA., DOUBLE GROOVE) (12.4015)											1		
	5177236	PULLEY (6 1/4" DIA., DOUBLE GROOVE)										1			
8B	**124548**	KEY, 5/32"X3/4" WOODRUFF (12.9350)		1		1									
8A	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1				1					1	1	1	2
8B	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)		1		1									
8B	**5132987**	WASHER, 7/16"		1		1									
8B	**103322**	LOCKWASHER, 7/16"(12.9200)		1		1									
8A	**272906**	NUT, 3/4"-16 LOCK (12.9140)	1				1					1	1	1	2
		1.7607 - BRACKET, ACCESSORY DRIVE													
	5140021	SUPPORT							2						
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)							4						
		1.7610 - HUB, DRIVE PULLEY													
	5164286	HUB		1		1									
8B	**5176474**	BOLT 3/8"-24X1.12" (1.7630)			4	4									
8B	**5145091**	BOLT, 3/8"-24 X 1.38" SELF LK. (12.5015)		4											
		1.7615 - RETAINER, DRIVE PULLEY HUB OIL SEAL													
		A RETAINER ASSY. INCLUDES OIL SEAL.													
8B	**5102565**	*RETAINER ASSY.*		1		1									
8B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)		1		1									
8B	**122408**	BOLT, 1/2"-13X1"(12.9001)		4		4									
8B	**5150568**	WASHER, 7/16" COPPER (12.9190)		1		1									
8B	**103323**	LOCKWASHER, 1/2" (12.9200)		4		4									
		1.7620 - SEAL, DRIVE PULLEY HUB OIL													
8B	**5102456**	SEAL		1		1									

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	41	47	57	60	61	76	77	82	92	95	118	131
		1.7627 - HOUSING, ACCESSORY DRIVE													
	5121050	PLATE (2.2235)						1							
	179857	BOLT, 7/16"-14X7/8"(12.9001)						1							
	179882	BOLT, 1/2"-13X1 1/8"(12.9001)						4							
	5150568	WASHER, 7/16" COPPER (12.9190)						1							
	103323	LOCKWASHER, 1/2"(12.9200)						4							
		1.7630 - PLATE ASSY., ACCESSORY DRIVE													
8A	5153449	* PLATE	1				1		1		1		1	1	
8A	5131627	PLATE			1					1		1			2
8A	5170450	PLATE													
	5177026	SPACER	1	1			1		1		1		1	1	
	5127266	ADAPTOR (2.2220)						1							
	9409035	BOLT, 3/8"-24X1" LOCK(12.9001)						2							
8A	5176474	BOLT (3/8"-24X1.12")	3				3		3						
8A	5145092	BOLT, 3/8"-24 X 1.20" LOCK (12.5015)	4				4		4		4	4		4	8
8A	5145091	BOLT, 3/8"-24 X 1.38" (12.5015)	4		4		4		4	4			4		
		* NOT SERVICED; USE 5131627 PLATE AND INCLUDE (1) 5143616 HUB TO INSURE INTERCHANGEABILITY.													
		1.7633 - RETAINER, CAM OR BALANCE GEAR													
	5122922	RETAINER (1.7207)	1	2			1	2	1				3		
	5122923	STUD, 3/8"-24X1 1/2"(12.9117)	1	1		1	1		1						
	124925	NUT, 3/8"-24 (12.9120)	1			1	1		1						
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)	1	1		1	1		1						
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)		1											
		1.7635 - COUPLING, ACCESSORY DRIVE													
	5102257	FORK (2.2220)						1							
		1.7640 - SHAFT, ACCESSORY DRIVE													
8A	5168697	# SHAFT	1												
8A	5122876	SHAFT			1										
8A	5131130	SHAFT					1		1	1		1	1	1	2
		# NOT SERVICED USE 5122876 PLUS 5131627 PLATE.													
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE													
		A RETAINER ASSY. INCLUDES ITEMS IN 1.7650, 1.7655 AND SEAL IN 1.7660.													
8A	5123116	* RETAINER ASSY.	1		1										
		* NOT SERVICED, USE 5131402.													

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	41	47	57	60	61	76	77	82	92	95	118	131
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE (CONT'D)													
8A	**5131402**	RETAINER ASSY.					1		1	1		1	1	1	2
8A	**179857**	BOLT, 7/16"-14X7/8"(12.9001)	1		1		1		1						
8A	**179858**	BOLT, 7/16"-14X1"(12.9001)								1		1			
8A	**122408**	BOLT, 1/2"-13X1"(12.9001)	4		4		4		4						
8A	**179882**	BOLT, 1/2"-13X1 1/8"(12.9001)								1		4			
8A	**5150568**	WASHER, 7/16" COPPER(12.9190)	1		1		1		1						
8A	**103323**	LOCKWASHER, 1/2"(12.9200)	4		4		4		4						
		1.7650 - LOCKRING, ACCESSORY DRIVE													
8A	**5155783**	LOCKRING	1		1										
8A	**9415285**	LOCKRING (2.7470)					1		1	1		1	1	1	1
		1.7655 - BEARING, ACCESSORY DRIVE													
8A	**954469**	+ BEARING (N.D.4605L)	1		1										
8A	**907191**	BEARING (5206WX1C)					1		1	1		1	1	1	1
		+ OBSOLETE.													
		1.7660 - SEAL, ACCESSORY DRIVE OIL													
8A	**5131329**	SEAL	1		1		1		1	1		1	1	1	1
	5131131	SPACER (1.3665)					1		1	1		1	1	1	2

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	140	147	170	171	173	174	175	176	178	179	190	191	192
		1.7605 - PULLEY, ACCESSORY DRIVE														
		• FOR TYPE 148 USE TYPE 401.■														
		• FOR TYPE 180 USE TYPE 402.■														
8A	**5168696**	PULLEY (5 1/2"DIA., DOUBLE GROOVE)		1				1								
8B	**5164291**	PULLEY (5 1/2" DIA., SINGLE GROOVE)									1					
	5133838	PULLEY (5 1/2" DIA., DOUBLE GROOVE) (12.4015)								1						
8B	**124548**	KEY, 5/32"X3/4" WOODRUFF (12.9350)									1					
8A	**124549**	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1				1		1						
8B	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)									1					
8B	**5132987**	WASHER, 7/16"									1					
8B	**103322**	LOCKWASHER, 7/16" (12.9200)									1					
8A	**272906**	NUT, 3/4"-16 LOCK (12.9140)		1				1		1						
		1.7610 - HUB, DRIVE PULLEY														
8B	**5164286**	HUB									1					
8B	**5176474**	BOLT, 3/8"-24 X 1.12" (1.7630)									4					
		1.7615 - RETAINER, DRIVE PULLEY HUB OIL SEAL														
		A RETAINER ASSY. INCLUDES OIL SEAL.														
8B	**5102565**	RETAINER ASSY.									1					
		1.7620 - SEAL, DRIVE PULLEY HUB OIL														
8B	**5102456**	SEAL									1					
		1.7622 - ADAPTOR, ACCESSORY DRIVE														
	5122386	ADAPTOR (HYDRAULIC PUMP)(12.5020)			1		1						1			
	5131332	ADAPTOR (HYDRAULIC PUMP)(12.5020)										1		1		
	5131308	ADAPTOR (HYDRAULIC PUMP)(12.5020)													1	
	5135907	ADAPTOR (HYDRAULIC PUMP)				1						1				
	5139376	ADAPTOR (HYDRAULIC PUMP) (12.5020)														
	5130822	WASHER, RETAINING (5.4140)			2											
	103196	STUD, 3/8"X1 9/16"(12.9117)					2					2		2		
	103197	STUD, 3/8"X1 13/16" (12.9117)											2			
	179839	BOLT, 3/8"-16X1" (12.9001)														
	186679	BOLT, 3/8"-16X1 1/4"(12.9001)			1	1	1					1	1	1		
	179858	BOLT, 7/16"-14X1"(12.9001)			4	4	4					4	4	4		
	179882	BOLT, 1/2"-13X1 1/8"(12.9001)			2		2					2	2	2		
	103321	LOCKWASHER, 3/8"(12.9200)			2		2									
	117049	NUT, 3/8"-24 (12.9120)														
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR														
	5104506	GASKET, ADAPTOR TO FLYWHEEL HOUSING (12.5021)											1			
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)			1	1	1						1			

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	140	147	170	171	173	174	175	176	178	179	190	191	192
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR (CONT'D)														
	5131396	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)										1		1		
	5168852	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)													1	
		1.7627 - HOUSING, ACCESSORY DRIVE														
	5121050	PLATE (2.2235)							1							
	5120274	NUT, PLUG (5/16"-18 SERRATED) (5.3015)							3							
		1.7630 - PLATE ASSY., ACCESSORY DRIVE														
8A	5170450	PLATE	1	1	1	1	1	1		1		1	1	1	1	1
	5140814	SPACER (12.5015)						1	1	1	1			1		1
	5127266	ADAPTOR (2.2220)							1							
	9409035	BOLT, 3/8"-24X1" LOCK (12.9001)							2							
8A	5145092	BOLT, 3/8"-24 X 1.20" LOCK (12.5015)	4	4		4	4			4	4	4	4			
8A	5145091	BOLT, 3/8"-24X1.38" (12.5015)			3			4						4	3	4
		1.7633 - RETAINER, CAM OR BALANCE GEAR														
	5122922	RETAINER (1.7207)								3						
	5108836	STUD, 3/8"-24X1 3/4" (12.9117)			1										1	
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)			1										1	
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)			1										1	
		1.7635 - COUPLING, ACCESSORY DRIVE														
	5143616	COUPLING (12.5010)			1	1	1					1	1	1	1	
	5144866	COUPLING, HUB (12.4040)														1
	5141773	COUPLING (12.4050)														1
	5102257	FORK (2.2220)							1							
	103375	PIN, 3/32"X1 1/4" (12.4001)					1									1
	180176	BOLT, 1/2"-13X1 3/8"(12.9001)														4
		1.7640 - SHAFT, ACCESSORY DRIVE														
8A	5131130	SHAFT		1				1		1						
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE														
		A RETAINER ASSY. INCLUDES ITEMS IN 1.7650, 1.7655 AND SEAL IN 1.7660.														
8A	5131402	RETAINER ASSY.	1	1				1		1						

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	140	147	170	171	173	174	175	176	178	179	190	191	192
		1.7650 - LOCKRING, ACCESSORY DRIVE														
8A	**9415285**	LOCKRING (2.7470)		1				1		1						
		1.7655 - BEARING, ACCESSORY DRIVE														
8A	**907191**	BEARING (5206WX1C)		1				1		1						
		1.7660 - SEAL, ACCESSORY DRIVE OIL														
8A	**5131329**	SEAL		1				1		1						
	5131131	SPACER (1.3665)		1				1		1						
		1.7670 - GEAR, ACCESSORY DRIVE														
	5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)			1											
	5131401	GEAR, HYDRAULIC PUMP DRIVE (12.5030)											1			
	5131313	GEAR, HYDRAULIC PUMP DRIVE (12.5030)										1		1		
	5168688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)													1	
	5139378	GEAR, HYDRAULIC PUMP DRIVE (12.5030)				1										
	5127394	GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1									
	455921	PIN, 1/8"X1 1/2" (3.3063)			1	1										
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)					1									
		1.7700 - COVER ASSY., DRIVE														
	5152716	COVER, FUEL PUMP HOLE (3.4223)							1							
	5150193	GASKET (2.2007)							1							
	5118219	BOLT, 5/16"-18 X 7/8" W/SEAL WASHER (2.2001)							3							

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	198	199	200	201	202	203	204	205	206	207	208	209	210
		1.7622 - ADAPTOR, ACCESSORY DRIVE														
	5122386	* ADAPTOR (HYDRAULIC PUMP)(12.5020)			AR			AR					AR		AR	AR
	5131332	ADAPTOR (HYDRAULIC PUMP)(12.5020)				1				1						
	5120828	ADAPTOR (HYDRAULIC PUMP)(12.5020)					1									
	5123814	ADAPTOR (HYDRAULIC PUMP)(12.5020)							1					1		
	5137472	ADAPTOR (HYDRAULIC PUMP)(12.5020)									1					
	5122386	ADAPTOR (HYDRAULIC PUMP)(12.5020)		1								1				
	103196	STUD, 3/8"X1 9/16"(12.9117)			4	2		2		2		2	2		2	2
	179839	BOLT, 3/8"-16X1"(12.9001)		2			6		6		2			12		
	179858	BOLT, 7/16"-14X1"(12.9001)		1	2	1	1	1			1	1	1		1	
	179882	BOLT, 1/2"-13X1 1/8"(12.9001)		4	8	4	4	4			4	4	4		4	
	103321	LOCKWASHER, 3/8"(12.9200)		2	4	2	6	2	6	2	2	2	2	12		2
	117049	NUT, 3/8"-24 (12.9120)			4	2		2		2		2	2		2	2
		* USE "1" ON A THREE AND "2" ON A FOUR.														
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR														
	5104506	GASKET, ADAPTOR TO FLYWHEEL HOUSING (1.5040)			2								1			
	5188755	* GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)		AR	AR	AR		AR		AR	AR	AR	AR		AR	AR
	5111828	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)					1									
	5168852	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)							1					2		
		* USE "1" ON A THREE AND "2" ON A FOUR.														
		1.7630 - PLATE ASSY., ACCESSORY DRIVE														
8A	5170450	PLATE	1	1	2	1	1	1	1	1	1	1	1	2	1	1
	5140814	SPACER (12.5015)	1				1	1	1	1	1		1	2	1	1
8A	5145091	@ BOLT, 3/8"-24X1.38"(12.5015)	4	3	6	3	4	4	4	4	4	3	4	8	AR	4
		@ USE 4 ON A THREE AND 3 ON A FOUR.														
		1.7633 - RETAINER, CAM OR BALANCE GEAR														
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)		1	2	1						1				
	9413533	NUT, 3/8"-24 THIN (12.9120)		1	2	1						1				
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)		1	2	1						1				
		1.7635 - COUPLING, ACCESSORY DRIVE														
	5144866	COUPLING, HUB (12.4040)	1													
	5141773	COUPLING (12.4050)	1													
	5143616	COUPLING (12.5010)		1	2	1	1	1	1	1	1	1	1	2	1	1
	103375	PIN, 3/32" X 1 1/4" (12.9250)	1	1	2	1		1		1		1			1	
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)	4													

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	198	199	200	201	202	203	204	205	206	207	208	209	210
		1.7670 - GEAR, ACCESSORY DRIVE														
	5188848	GEAR, HYDRAULIC PUMP DRIVE (12.5030)			2			1				2				
	5168688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)				1			1	1				2		
	5111829	GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1									
	5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)									1					
	5137403	GEAR, HYDRAULIC PUMP DRIVE (12.5030)											1			
	5127394	GEAR, HYDRAULIC PUMP DRIVE (12.5030)		1											1	
	5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)														1
	455921	PIN, 1/8"X1 1/2"(3.3063)									1		1			1
	122761	NUT, 1/2"-20 (12.9130)			2	1		1				1				
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)		1	2	1		1		1		1			1	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 211	212	213	214	215	216	217	218	219	220	221
		1.7622 - ADAPTOR, ACCESSORY DRIVE											
	5120828	ADAPTOR (HYDRAULIC PUMP)(12.5020)							1				
	5123814	ADAPTOR (HYDRAULIC PUMP)(12.5020)			1								
	5137472	ADAPTOR (HYDRAULIC PUMP)(12.5020)									1		
	5122386	ADAPTOR (HYDRAULIC PUMP)(12.5020)	2			1		1				1	
	5137222	ADAPTOR (HYDRAULIC PUMP)(12.5020)		1									
	5131308	ADAPTOR (HYDRAULIC PUMP)(12.5020)					1						1
	103196	STUD, 3/8"-16-24 X 1 9/16" (12.9117)	4			2		2				2	
	5162793	STUD, 1/2"X1.76"(6.2115)		2									
	179839	BOLT, 3/8"-16X1"(12.9001)			6				6				2
	179858	BOLT, 7/16"-14X1"(12.9001)	2			1	1	1	1		1	1	
	179882	BOLT, 1/2"-13X1 1/8"(12.9001)	8			4	4	4	4		4	4	
	103321	* LOCKWASHER, 3/8" (12.9200)	4		6	2	2	2	6			2	6
	103323	LOCKWASHER, 1/2"(12.9200)		2									
	117049	NUT, 3/8"-24 (12.9120)	4			2		2				2	
	103028	NUT, 1/2"-20 (12.9120)		2									
		* USE "6" FOR A SIX AND "2" FOR AN EIGHT.											
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR											
	5104506	GASKET, ADAPTOR TO FLYWHEEL HOUSING (1.5040)		1				1				1	
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)	2			1		1			1	1	
	5111828	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)							1				
	5168852	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)			1								
	5137221	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)		1									
	5131396	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)					1						1
		1.7630 - PLATE ASSY., ACCESSORY DRIVE											
8A	5170450	PLATE	2	1	1	1	1	1	1	1	1	1	1
	5140814	SPACER (12.5015)	2	1									
8A	5145091	BOLT, 3/8"-24X1.38"(12.5015)	8	4		3	3	3	3	3	3		
8A	5145092	BOLT, 3/8"-24X1.20"(12.5015)			4							4	4
		1.7633 - RETAINER, CAM OR BALANCE GEAR											
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)				1	1	1	1	1	1		
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)				1	1	1	1	1	1		
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)				1	1	1	1	1	1		

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 211	212	213	214	215	216	217	218	219	220	221
		1.7635 - COUPLING, ACCESSORY DRIVE											
	5143616	COUPLING (12.5010)	2	1	1	1	1	1	1	1	1	1	1
	103375	PIN, 3/32"X1 1/4"(12.4001)	2					1				1	
		1.7670 - GEAR, ACCESSORY DRIVE											
	5111829	GEAR, HYDRAULIC PUMP DRIVE (12.5030)							1				
	5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)									1		
	5188848	GEAR, HYDRAULIC PUMP DRIVE (12.5030)	2										
	5168688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)			1								
	5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)		1									
	5138709	GEAR, HYDRAULIC PUMP DRIVE (12.5030)				1							
	5131313	GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1	1					1
	455921	PIN, 1/8"X1 1/2"(3.3063)		1		1					1		
	122761	NUT, 1/2"-20 (12.9130)	2									1	
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)	2					1				1	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	225	226	227	228	229	237	246	247	251	252	256	257
		1.7605 - PULLEY, ACCESSORY DRIVE													
	8921942	PULLEY (4.74" POLY-VEE) (7.1505)	1												
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1												
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	1												
	5150230	WASHER, 3/8" (12.9190)	1												
	103321	LOCKWASHER, 3/8"(12.9200)	1												
		1.7609 - BRACKET, ACCESSORY MOUNTING													
	216283	BOLT, 7/16"-10X1 3/4"(12.9001)	1												
	181675	BOLT, 7/16"-20X2 1/2" CAD. (12.9001)	1												
	103322	LOCKWASHER, 7/16"(12.9200)	2												
	456939	NUT, 7/16"-20 (12.9120)	2												
		1.7612 - PULLEY, ACCESSORY DRIVEN													
	5143095	PULLEY (1.90" DIA., POLY-VEE) (7.1500)	1												
	5131726	PULLEY (6 1/4" DIA., 2 GROOVES) (1.7605)		1											
	5168696	PULLEY (5.50" DIA., 2 GROOVES) (1.7605)			1										
	124549	KEY, 3/16"X3/4" WOODRUFF (12.7350)		1	1	1									
	272906	NUT, 3/4"-16 LOCK (12.9140)		1	1	1									
		1.7622 - ADAPTOR, ACCESSORY DRIVE													
	5127266	ADAPTOR (HYDRAULIC PUMP)(12.5020)						1							
	5122386	ADAPTOR (HYDRAULIC PUMP)(12.5020)								1					
	5137222	ADAPTOR (HYDRAULIC PUMP)(12.5020)									1		1		
	5137472	ADAPTOR (HYDRAULIC PUMP)(12.5020)										2			
	5131332	ADAPTOR (HYDRAULIC PUMP)(12.5020)												1	
	5139376	ADAPTOR (HYDRAULIC PUMP)(12.5020)													1
	5104722	ADAPTOR (12.4020)							1						
	8927270	STUD, 3/8"X1 9/16"(12.9117)								2					
	186622	BOLT, 3/8"-14X1 1/4"(12.9001)												2	2
	179839	BOLT, 3/8"-16X1"(12.9001)										4			
	9409035	BOLT, 3/8"-24X1" LOCK (12.9001)						2							
	179858	BOLT, 7/16"-14X1"(12.9001)		1						1	1	1	1	1	1
	179882	BOLT, 1/2"-13X1 1/8"(12.9001)		4						4	4	8	4	4	4
	138291	BOLT, 1/2"-13 X 1 1/4" (12.9027)							4						
	103321	LOCKWASHER, 3/8"(12.9200)								1		4		2	2
	117049	NUT, 3/8"-24 (12.9120)								2					
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR													
	8922443	SEALANT, RTV (3.0 FL. OZ.) (12.8255)								AR					
	8922442	SEALANT, RTV (10.3 FL. OZ.) (12.8255)								AR					
	5137221	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)									1		1		
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)								1		2		1	1

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	225	226	227	228	229	237	246	247	251	252	256	257
		1.7625 - BELT, ACCESSORY DRIVE													
	5143319	BELT, POLY-VEE 36.00" L. (7.1575)	1												
		1.7630 - PLATE ASSY., ACCESSORY DRIVE													
8A	**5170450**	PLATE		1	1	1	2	1	1	1	1	2		1	1
8A	**5140814**	SPACER (12.5015)			1			1		1		2			
8A	**5145092**	BOLT, 3/8"-24X1.20"(12.5015)				4	8		4						4
8A	**5145091**	BOLT, 3/8"-24X1.38"(12.5015)		4	4					4	4	2	3	3	
		1.7633 - RETAINER, CAM OR BALANCE GEAR													
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)									1		1	1	
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)									1		1	1	
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)									1		1	1	
		1.7635 - COUPLING, ACCESSORY DRIVE													
	5143616	COUPLING (12.5010)								1	1	2	1	1	1
	2394275	COUPLING (12.4050)							1						
	5144866	COUPLING, HUB (12.4050)							1						
	5102257	FORK (2.2220)						1							
		1.7640 - SHAFT, ACCESSORY DRIVE													
8A	**5117920**	SHAFT	1												
8A	**5131130**	SHAFT		1	1	1									
	181596	BOLT, 5/16"-24X7/8" CAD. (12.9001)	3												
	103320	LOCKWASHER, 5/16"(12.9200)	3												
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE													
		A RETAINER ASSY. INCLUDES ITEMS IN 1.7650, 1.7655 AND SEAL IN 1.7660.													
8A	**5131402**	RETAINER ASSY.		1	1	1									
		1.7650 - LOCKRING, ACCESSORY DRIVE													
8A	**9415285**	LOCK RING (2.7470)		1	1	1									

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 224	225	226	227	228	229	237	246	247	251	252	256	257
		1.7655 - BEARING, ACCESSORY DRIVE													
8A	**907191**	BEARING (5206WX1C)		1	1	1									
		1.7660 - SEAL, ACCESSORY DRIVE OIL													
8A	**5131329**	SEAL		1	1	1									
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL													
	5131131	SEAL		1	1	1									
		1.7670 - GEAR, ACCESSORY DRIVE													
	5131401	GEAR, HYDRAULIC PUMP DRIVE (12.5030)												1	
	5138709	GEAR, HYDRAULIC PUMP DRIVE (12.5030)								1		2			1
	8925563	GEAR, HYDRAULIC PUMP DRIVE (12.5030)									1				
	5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)											1		
	455921	PIN, 1/8"X1 1/2"(3.3063)								1	1	2	1	1	1
		1.7700 - COVER ASSY., DRIVE													
	5152716	COVER, FUEL PUMP HOLE (3.4223)						1							
	5150193	GASKET (2.2007)						1							
	5118219	BOLT, 5/16"-18X7/8" W/SEAL WASHER (2.2001)						3							

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 262	266	268	269	270	274	282	285	303	305	306	309	313
		1.7604 - GASKET, ACCESSORY DRIVE													
		• FOR TYPE 299 USE TYPE 403.▪													
	5104506	GASKET (1.5040)	1	1		1	1								
		1.7622 - ADAPTOR, ACCESSORY DRIVE													
	5122386	ADAPTOR (HYDRAULIC PUMP)(12.5020)			1	1	1			1			1		1
	5139376	ADAPTOR (HYDRAULIC PUMP)(12.5020)	1	1							1				
	5131332	ADAPTOR (HYDRAULIC PUMP) (12.5020)						1	1			1			
	5137472	ADAPTOR (HYDRAULIC PUMP) (12.5020)												1	
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)								2					
	186622	BOLT, 3/8"-14X1 1/4"(12.9001)	2					2							
	179858	BOLT, 7/16"—14X1" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1
	179882	BOLT, 1/2"—13X1 1/8" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4
	103321	LOCKWASHER, 3/8"(12.9200)	AR	AR				AR		2					
	117049	NUT, 3/8"-24 (12.9120)								2					
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR													
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)	1	1	1	1	1	1	1	1		1	1	1	
	5137221	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)									1				
	5104506	GASKET, ADAPTOR TO FLYWHEEL HOUSING (1.5040)	1					1							
		1.7630 - PLATE ASSY., ACCESSORY DRIVE													
8A	5170450	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1
8A	5140814	SPACER (12.5015)				1									1
8A	5145092	BOLT, 3/8"-24X1.20"(12.5015)		7	4				4	4					
8A	5145091	BOLT, 3/8"—24X1.38" (12.5015)				4	3	4			3	3	3	3	4
		1.7633 - RETAINER, CAM OR BALANCE GEAR													
	5108836	STUD, 3/8"-24X1 3/4"(12.9117)	1				1				1	1	1	1	
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)	1				1				1	1	1	1	
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)	1				1				1	1	1	1	
		1.7635 - COUPLING, ACCESSORY DRIVE													
	5143616	COUPLING (12.5010)	1	1	1	1	1	1	1	1	1	1	1	1	1
	5138709	HUB (12.5030)	1												
	5137473	HUB (12.5030)	1												
		1.7670 - GEAR, ACCESSORY DRIVE													
	5137392	GEAR, HYDRAULIC PUMP DRIVE(12.5030)			1	1	1								
	5131401	GEAR, HYDRAULIC PUMP DRIVE (12.5030)						1							
	5139378	GEAR, HYDRAULIC PUMP DRIVE (12.5030)							1		1	1	1		1
	5168688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)												1	

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 262	266	268	269	270	274	282	285	303	305	306	309	313
	1.7670	**- GEAR, ACCESSORY DRIVE (CONT'D)**													
	5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)								1					
	455921	PIN, 1/8"X1 1/2" (12.9275)			1	1	1		1	1	1	1	1		1

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 314	316	317	319	328	329	332	333	337	342	347
		1.7622 - ADAPTOR, ACCESSORY DRIVE											
	5137472	ADAPTOR (HYDRAULIC PUMP) (12.5020)	1						1				
	5122386	ADAPTOR (HYDRAULIC PUMP) (12.5020)		2	1	1	1	1				1	1
	5139376	ADAPTOR (HYDRAULIC PUMP) (12.5020)									1		
	103196	STUD, 3/8"-16-24 X 1 9/16" (12.9117)		4	2	2							
	5150362	STUD, 3/8"-16X1 5/8" (5.2020)					2	2				2	2
	179858	BOLT, 7/16"-14 X 1" (12.9001)	1	2	1	1	1	1	1		1	1	1
	179882	BOLT, 1/2"-13 X 1 1/8" (12.9001)	4	8	4	4	4	4	4		4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)		4	2	2	2	2				2	2
	117049	NUT, 3/8"-24 (12.9120)		4	2	2	2	2				2	2
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR											
	5188755	GASKET (HYDRAULIC PUMP TO ADAPTOR) (12.5005)	1	2	1	1	1	1	1			1	1
	5104506	GASKET (ADAPTOR TO FLYWHEEL HOUSING) (1.5040)			1	1	1	1			1		
	5137221	GASKET (HYDRAULIC PUMP TO ADAPTOR) (12.5020)									1		
		1.7630 - PLATE ASSY., ACCESSORY DRIVE											
8A	5170450	PLATE	1	2	1	1	1	1	1	1	1	1	1
	5140814	SPACER (12.5015)	1				1			1	1		1
8A	5145091	BOLT, 3/8"-24 X 1.38" (12.5015)	4	6	3		4	3	3	4	4		3
8A	5145092	BOLT, 3/8"-24 X 1.20" (12.5015)				4						4	
		1.7633 - RETAINER, CAM OR BALANCE GEAR											
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)		2	1			1	1				
	9413533	NUT, 3/8"-24 THIN (12.9120)		2	1			1	1				
	5145431	NUT, 3/8-24 JAM CAD. (12.4037)		6	1			1	1				
		1.7635 - COUPLING, ACCESSORY DRIVE											
	5143616	COUPLING (12.5010)	1	2	1	1	1	1	1	1	1	1	1
		1.7670 - GEAR, ACCESSORY DRIVE											
	5168688	GEAR (HYDRAULIC PUMP DRIVE) (12.5030)	1	2									
	5137473	GEAR (HYDRAULIC PUMP DRIVE) (12.5030)					1		1				
	5107387	GEAR (HYDRAULIC PUMP DRIVE) (12.5030)									1		
	5138709	GEAR (HYDRAULIC PUMP DRIVE) (12.5030)						1				1	1
	8922804	RETAINER, GEAR (12.5030)									1		
	103375	PIN, 3/32" X 1 1/4" COT. (12.9250)		2	1	1							
	455921	PIN, 1/8"X1/2" (12.9270)					1	1	1			1	1
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)		2	1	1							
	122761	NUT, 1/2"-20 (12.9130)		2									

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 353	354	355	357	358	359	362	363	364	368	369	370	371
		1.7622 - ADAPTOR, ACCESSORY DRIVE													
	5137222	ADAPTOR (HYDRAULIC PUMP) (12.5020)	1			1						1		1	1
	5122386	ADAPTOR (HYDRAULIC PUMP) (12.5020)		1			1		1						
	5137472	ADAPTOR (HYDRAULIC PUMP) (12.5020)			1										
	5139376	ADAPTOR (HYDRAULIC PUMP) (12.5020)						1		2	2				
	5131332	ADAPTOR (HYDRAULIC PUMP) (12.5020)											1		
	179839	BOLT, 3/8"-16X1" (12.9001)	6	6											
	179858	BOLT, 7/16"-14X1" (12.9001)			1	1		1	1	2	2	1	1	1	1
	8921936	BOLT, 7/16"-14X1 1/4" (12.9001)					1								
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4	4	4	4	4	8	8	4	4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)	6	6											
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR													
	5137221	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)	1							2				1	
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)		1	1	1	1	1	1		2	1	1	1	
	5104506	GASKET, ADAPTOR TO FLYWHEEL HOUSING (1.5040)			1					2					
		1.7630 - PLATE ASSY., ACCESSORY DRIVE													
8A	5170450	PLATE	1	1	1	1	1	1	1	2	2	1	1	1	1
8A	5140814	SPACER (12.5015)	1	1	1				1	2		1	1		
8A	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4	4	4	3		3	4	8	6	4	4	3	3
8A	5145092	BOLT, 3/8"-24X1.20" (12.5015)					4								
		1.7633 - RETAINER, CAM OR BALANCE GEAR													
	5108836	STUD, 3/8"-24X1 3/4" (12.5015)				1		1			2			1	1
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)				1		1			2			1	1
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)				1		1			2			1	1
		1.7635 - COUPLING, ACCESSORY DRIVE													
	5143616	COUPLING (12.5010)	1	1	1	1	1	1	1	2	2	1	1	1	1

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 353	354	355	357	358	359	362	363	364	368	369	370	371
		1.7670 - GEAR, ACCESSORY DRIVE													
	5135263	GEAR, HYDRAULIC PUMP DRIVE (12.5030)	1												
	5138688	GEAR, HYDRAULIC PUMP DRIVE (12.5030)		1					1						
	5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)			1										
	5111829	GEAR, HYDRAULIC PUMP DRIVE (12.5030)				1									
	5138709	GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1								
	5107387	GEAR, HYDRAULIC PUMP DRIVE (12.5030)						1		2	2				
	5137392	GEAR, HYDRAULIC PUMP DRIVE (12.5030)													1
	455921	PIN, 1/8"X1 1/2" (12.9275)			1	1		1		2	2				1
	103375	PIN, 3/32"X1 1/4" (12.9275)					1	1	1	2	2				
	8922804	RETAINER, GEAR (12.5030)					1		1						
	5188756	NUT, 1/2"-28 SLOTTED (12.5030)													
		1.7700 - COVER ASSY., DRIVE													
	5189590	COVER, HYDRAULIC PUMP					1								
	8927270	STUD, 3/8"-16X1 5/8" (12.9117)					2		2						
	103321	LOCKWASHER, 3/8" (12.9200)					2		2						
	117049	NUT, 3/8"-24 (12.9120)					2		2						

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	391	394	401	402	403
		1.7622 - ADAPTOR, ACCESSORY DRIVE						
	5131332	ADAPTOR (HYDRAULIC PUMP) (12.5020)		2				
	8928645	ADAPTOR (FUEL PUMP DRIVE) (2.2260)			1			
	5137472	ADAPTOR (HYDRAULIC PUMP) (12.5020)					1	
	5137222	ADAPTOR (HYDRAULIC PUMP) (12.5020)						1
	940973	BOLT, 1/4"-20X5/8" (12.9001)			2			
	179858	BOLT, 7/16"-14X1" (12.9001)		2			1	1
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		8			4	4
		1.7623 - GASKET, ACCESSORY DRIVE ADAPTOR						
	5188755	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)		2			1	
	5137221	GASKET, HYDRAULIC PUMP TO ADAPTOR (12.5005)						1
		1.7630 - PLATE ASSY., ACCESSORY DRIVE						
8A	5170450	PLATE	1	2		1	1	1
8A	5145092	BOLT, 3/8"-24X1.20" (12.5015)	4			4	4	4
8A	5145091	BOLT, 3/8"-24X1.38" (12.5015)		6				
		1.7633 - RETAINER, CAM OR BALANCE GEAR						
	5108836	STUD, 3/8"-24X1 3/4" (12.5015)		2				
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)		2				
	9413533	NUT, 3/8"-24 HEX. THIN (12.9120)		2				
		1.7635 - COUPLING, ACCESSORY DRIVE						
	8926387	COUPLING	1					
	5143616	COUPLING (12.5010)		2		1	1	1
		1.7640 - SHAFT, ACCESSORY DRIVE						
	5131130	SHAFT	1					
	8928543	WOODRUFF KEY, 3/16"X3/4" (12.9350)	1					
	272906	NUT, 3/4"-16 LOCK (12.9140)	1					
		1.7643 - HUB, ACCESSORY DRIVE GEAR						
	5125774	HUB, FUEL PUMP DRIVE GEAR (2.2292)			1			
	5126672	SPACER, THRUST OUTER (2.2292)			1			
	5125771	WASHER, THRUST INNER (2.2292)			2			
	9409203	BOLT, 1/2"-13X2 3/4" (12.9001)			1			
		1.7645 - RETAINER ASSY., ACCESSORY DRIVE						
	5131402	RETAINER ASSY. (INCLUDES ITEMS IN 1.7645, 1.7655, 1.7656 AND 1.7660	1					
	5131129	RETAINER	1					

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1.7000B ACCESSORY DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	391	394	401	402	403
		1.7655 - BEARING, ACCESSORY DRIVE						
	907191	BEARING	1					
		1.7656 - RETAINER, ACCESSORY DRIVE BEARING						
	9415285	RETAINER (2.7470)	1					
		1.7660 - SEAL, ACCESSORY DRIVE OIL						
	5131329	SEAL, OIL	1					
		1.7665 - SPACER, ACCESSORY DRIVE OIL SEAL						
	5131131	SPACER	1					
		1.7670 - GEAR, ACCESSORY DRIVE						
	5107088	GEAR, FUEL PUMP DRIVE (2.2290)			1			
	5138079	GEAR, HYDRAULIC PUMP DRIVE (12.5030)					1	
	5140971	GEAR, HYDRAULIC PUMP DRIVE (12.5030)						1
	455921	PIN, 1/8"X1 1/2" (12.9275)					1	1

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29	30	31	32	33	46	47	48	50	57	59
	1.8060	**- ARM ASSY., EXHAUST VALVE ROCKER**												
		INCLUDES ITEMS IN 1.8130, 1.8140, 1.8150 AND 1.8343.												
9A	**5119307**	ARM ASSY., 2,3,4-53 (LEFT) (ITEM 1) (2 VALVE)	2	3		4								
9A	**5119308**	ARM ASSY., 2,3,4-53 (RIGHT)(ITEM2) (2 VALVE)	2	3		4								
	5135268	ARM ASSY., 3,4,6,8V53 (RIGHT) (4 VALVE)			3		4	6	6	4	6	8	3	4
	5135267	ARM ASSY., 3,4,6,8V53 (LEFT) (4 VALVE)			3		4	6	6	4	6	8	3	4
	1.8080	**- ARM ASSY., INJECTOR ROCKER**												
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.												
9A	**5179954**	ARM ASSY.	2	3	3	4	4	6	6	4	6	8	3	4
	1.8110	**- BUSHING INJECTOR ROCKER ARM-LARGE**												
9A	**5150318**	BUSHING	2	3	3	4	4	6	6	4	6	8	3	4
9A	**8924355**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	1.8120	**- BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL**												
9A	**5150311**	BUSHING	2	3	3	4	4	6	6	4	6	8	3	4
9A	**8924354**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	1.8130	**- CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM**												
9A	**5150312**	CLEVIS	6	9	9	12	12	18	18	12	18	24	9	12
	1.8140	**- BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS**												
9A,C	**5123700**	BUSHING	6	9	15	12	20	30	30	20	30	40	15	20
	1.8150	**- PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS**												
9A	**5150314**	PIN (CLEVIS END)	6	9	9	12	12	18	18	12	18	24	9	12
9A,C	**5123711**	PIN (BRIDGE END)			6		8	12	12	8	12	16	6	8

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29	30	31	32	33	46	47	48	50	57	59
		1.8160 - SHAFT ASSY., ROCKER												
		A SHAFT ASSY. INCLUDES PLUG IN 1.8160.												
9A	**5116072**	SHAFT ASSY.	2	3	3	4	4	6	6	4	6	8	3	4
	5151272	PLUG, 11/32" DIA. X 1/4" SPEC.	2	3	3	4	4	6	6	4	6	8	3	4
		1.8170 - BRACKET, ROCKER SHAFT												
9A	**5116128**	BRACKET	4	6	6	8	8	12	12	8	12	16	6	8
9A	**5119198**	BOLT	4	6	6	8	8	12	12	8	12	16	6	8
		1.8180 - ROD, PUSH												
9A	**5128640**	ROD	6	9	9	12	12	18	18	12	18	24	9	12
9A	**5151601**	LOCKNUT	6	9	9	12	12	18	18	12	18	24	9	12
		1.8190 - SPRING, PUSH ROD												
9A	**5186858**	@ SPRING (VALVE AND INJECTOR)	6	9	9	12	12	18						
9A	**5186858**	# SPRING (VALVE)	4	6	6	8	8	12						
9A	**5108918**	# & SPRING (2 ORANGE STRIPES) (INJECTOR)	2	3	3	4	4	6						
9A	**5108918**	% & SPRING (2 ORANGE STRIPES)(VALVE AND INJECTOR)	6	9	9	12	12	18	18	12	18	24	9	12
		@ THRU 2D-13452, 3D-3791, 4D-5322, 6D-1076.												
		# EFFECTIVE WITH 2D-13453, 3D-3792, 4D-5323, 6D-1077 AND THRU 2D-14187, 3D-6127, 4D-3548, 6D-2708.												
		& MUST BE USED WITH 5108919 SEAT.												
		% EFFECTIVE WITH 2D-14188, 3D-6128, 4D-8549, 6D-2709.												
		1.8200 - SEAT, PUSH ROD SPRING-UPPER												
9A	**5150302**	@ SEAT (VALVE AND INJECTOR)	6	9	9	12	12	18						
9A	**5150302**	# SEAT (VALVE)	4	6	6	8	8	12						
9A	**5108919**	# SEAT (INJECTOR)	2	3	3	4	4	6						
9A	**5108919**	% SEAT (VALVE AND INJECTOR)	6	9	9	12	12	18	18	12	18	24	9	12
		@ THRU 2D-13452, 3D-3791, 4D-5322, 6D-1076.												
		# EFFECTIVE WITH 2D-13453, 3D-3792, 4D-5323, 6D-1077 AND THRU 2D-14187, 3D-6127, 4D-3548, 6D-2708.												
		% EFFECTIVE WITH 2D-14188, 3D-6128, 4D-8549, 6D-2709.												

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29	30	31	32	33	46	47	48	50	57	59
		1.8210 - SEAT, PUSH ROD SPRING-LOWER												
9A	5123250	SEAT	6	9	9	12	12	18	18	12	18	24	9	12
		1.8250 - RETAINER, PUSH ROD												
9A	5150303	RETAINER (SNAP RING)	6	9	9	12	12	18	18	12	18	24	9	12
		1.8260 - FOLLOWER ASSY., CAM												
9A	8924439	FOLLOWER ASSY. (INCLUDES ROLLER SET)	6	9	9	12	12	18	18	12	18	24	9	12
		1.8265 - ROLLER SET, CAM FOLLOWER												
		INCLUDES ROLLER WITH BUSHING AND PIN.												
	8923814	ROLLER SET (STANDARD)	6	9	9	12	12	18	18	12	18	24	9	12
		1.8300 - GUIDE, CAM FOLLOWER												
9A	5116125	GUIDE	2	3	3	4	4	6	6	4	6	8	3	4
9A	138201	BOLT, 1/4"-20 X 3/4" SKT. HD. (12.9001)									12			
9A	443603	BOLT, 1/4"-20X3/4"(12.9001)	4	6	6	8	8	12	12	8	12	16	6	8
9A	103319	LOCKWASHER, 1/4"(12.9200)	4	6	6	8	8	12	12	8		16	6	8
		1.8310 - VALVE, EXHAUST												
9B	5195948	VALVE, 2,3,4-53 (INCLUDES LOCKS)	4	6		8								
9C	5199323	VALVE, 3,4,6,8V53 (INCLUDES LOCKS)					16	24		16		32		
	5197176	VALVE, 3,4-53 (INCLUDES LOCKS)			12				24		24			16
9B	5198429	VALVE, 3-53											12	
		1.8320 - GUIDE, EXHAUST VALVE												
		A VALVE GUIDE KIT INCLUDES 1-5131961 GUIDE AND 1-8921741 SEAL. INSTALLER (PKG.) CONSISTS OF 100 PIECES.												

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29	30	31	32	33	46	47	48	50	57	59
		1.8320 - GUIDE, EXHAUST VALVE (CONT'D)												
2A,9B	**5129919**	GUIDE	4	6		8								
9C	**5131961**	GUIDE			12		16	24	24	16	24	32	12	16
	5198529	KIT, VALVE GUIDE AND SEAL			12		16	24	24	16	24	32	12	16
	8921741	SEAL, VALVE GUIDE (USE WITH 5131961)			12		16	24	24	16	24	32	12	16
	5129920	SEAL, VALVE GUIDE (USE WITH 5119992)	4	6		8								
	5199912	INSTALLER, EXHAUST VALVE SEAL (4 VALVE)			AR		AR	AR	AR	AR	AR	AR	AR	AR
	5199913	INSTALLER, EXHAUST VALVE SEAL (2 VALVE)	AR	AR		AR								
		1.8330 - INSERT, EXHAUST VALVE												
9B	**5116196**	INSERT (STANDARD)	4	6		8								
9B	**5196751**	INSERT (.010" OVERSIZE ON O.D.)	AR	AR		AR								
9C	**5116361**	INSERT (STANDARD)			12		16	24	24	16	24	32		16
9C	**5196752**	INSERT (.010" OVERSIZE ON O.D.)			AR			AR	AR	AR	AR	AR		AR
	5131614	INSERT (4 VALVE MULTIFUEL)					16						12	
		1.8340 - SPRING, EXHAUST VALVE												
9B	**5116140**	SPRING	4	6		8								
9C	**5144019**	# * SPRING (RED AND GREEN STRIPE)			12		16	24	24	16	24	32	12	16
9C	**5147424**	% = SPRING (BLUE AND WHITE STRIPE)			12		16	24	24					
		* THRU 6D-60776 FOR ENGINES EQUIPPED WITH 5126933 AND 5126934 CAMSHAFTS (STAMPED "V-7") OR 5135902 AND 5135 903 CAMSHAFTS (STAMPED "V").												
		= USE EFFECTIVE WITH 6D-60777 FOR ENGINES EQUIPPED WITH 5199396 AND 5199397 CAMSHAFTS (STAMPED "V7L"). REPL ACE BOTH SPRINGS PER BRIDGE (QTY. OF TWO (2).												
		# 5144019 SPRING MUST BE USED WITH 5126929, 5126930, 5126931 AND 5126932 HI-LIFT CAMSHAFTS ON 4 VALVE ENGIN ES.												
		% 5147424 SPRING MUST BE USED WITH 5149091, 5149093, 5149095 AND 5149097 LO-LIFT CAMSHAFTS ON 4 VALVE ENGIN ES.												
		1.8343 - BRIDGE, EXHAUST VALVE												
9C	**5122446**	? BRIDGE			6		8							
9C	**5135262**	BRIDGE			6		8	12	12	8	12	16	6	8
		? THRU 3D-508, 4D-891, NOT SERVICED, REPLACE WITH 5135268 RH OR 5135267 LH ROCKER ARM ASSY. (1.8060) WHICH INCLUDES 5135262 BRIDGE.												
		1.8350 - CAP, EXHAUST VALVE SPRING												
9B	**5111338**	CAP	4	6		8								
9C	**5123330**	CAP			12		16	24	24	16	24	32	12	16

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 28	29	30	31	32	33	46	47	48	50	57	59
		1.8360 - SEAT, EXHAUST VALVE SPRING												
9B	**5116243**	SEAT (TWO VALVE HEAD)	4	3		8								
9C	**5111467**	@ SEAT (.060" THICK)			12		16	24	24	16	24	32	12	16
	5125922	# SEAT (.150" THICK)			12		16	24		16				
		@ USE WHEN REPLACING SEAT ONLY IN 4 VALVE UNITS THRU 3D-056, 4D-317 AND UNITS EFFECTIVE WITH 3D-160, 4D-614 OR WHENEVER REPLACING VALVES IN ANY 4 VALVE UNIT.												
		# USE WHEN REPLACING SEAT ONLY IN 4 VALVE UNITS EFFECTIVE WITH 3D-057, 4D-318 AND THRU 3D-159, 4D-613.												
		1.8370 - LOCK, EXHAUST VALVE SPRING												
9B	**5111337**	LOCK (HALVES)	8	12		16								
9C	**5116341**	LOCK (HALVES)			24		32	48	48	32	48	64	24	32

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 62	65	72	74	76	122	129	145	163	164	165	166
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER												
		INCLUDES ITEMS IN 1.8130, 1.8140, 1.8150 AND 1.8343.												
9A	**5119307**	ARM ASSY., 2,3,4-53 (LEFT)(ITEM 1) (2 VALVE)			3	4								
9A	**5119308**	ARM ASSY., 2,3,4-53 (RIGHT)(ITEM 2) (2 VALVE)			3	4								
	5135268	ARM ASSY., 3,4,6,8V53 (RIGHT) (4 VALVE)	4	6			3	4	3	3	4	6	6	4
	5135267	ARM ASSY., 3,4,6,8V53 (LEFT) (4 VALVE)	4	6			3	4	3	3	4	6	6	4
		1.8080 - ARM ASSY., INJECTOR ROCKER												
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.												
9A	**5179954**	ARM ASSY.	4	6	3	4	3	4	3	3	4	6	6	4
		1.8110 - BUSHING INJECTOR ROCKER ARM-LARGE												
9A	**5150318**	BUSHING	4	6	3	4	3	4	3	3	4	6	6	4
9A	**8924355**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL												
9A	**5150311**	BUSHING	4	6	3	4	3	4	3	3	4	6	6	4
9A	**8924354**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM												
9A	**5150312**	CLEVIS	12	18	9	12	9	12	9	9	12	18	18	12
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A,C	**5123700**	BUSHING	20	30	9	12	15	20	15	15	20	30	30	20
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A	**5150314**	PIN (CLEVIS END)	12	18	9	12	9	12	9	9	12	18	18	12
9A,C	**5123711**	PIN (BRIDGE END)	8	12			6	8	6	6	8	12	12	8

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 62	65	72	74	76	122	129	145	163	164	165	166
		1.8160 - SHAFT ASSY., ROCKER												
		A SHAFT ASSY. INCLUDES PLUG IN 1.8160.												
9A	**5116072**	SHAFT ASSY.	4	6	3	4	3	4	3	3	4	6	6	4
	5151272	PLUG	4	6	3	4	3	4	3	3	4	6	6	4
		1.8170 - BRACKET, ROCKER SHAFT												
9A	**5116128**	BRACKET	8	12	6	8	6	8	6	6	8	12	12	8
9A	**5119198**	BOLT	8	12	6	8	6	8	6	6	8	12	12	8
		1.8180 - ROD, PUSH												
9A	**5128640**	ROD	12	18	9	12	9	12	9	9	12	18	18	12
9A	**5151601**	LOCKNUT	12	18	9	12	9	12	9	9	12	18	18	12
		1.8190 - SPRING, PUSH ROD												
9A	**5108918**	* @ SPRING (2 ORANGE STRIPES)(VALVE AND INJECTOR)	12	18	9	12	9	12	9	9	12	18	18	12
		* EFFECTIVE WITH 2D-14188, 3D-6128, 4D-8549, 6D-2709.												
		@ MUST BE USED WITH 5108919 SEAT.												
		1.8200 - SEAT, PUSH ROD SPRING-UPPER												
9A	**5108919**	* SEAT (VALVE AND INJECTOR)	12	18	9	12	9	12	9	9	12	18	18	12
		* EFFECTIVE WITH 2D-14188, 3D-6128, 4D-8549, 6D-2709.												
		1.8210 - SEAT, PUSH ROD SPRING-LOWER												
9A	**5123250**	SEAT	12	18	9	12	9	12	9	9	12	18	18	12
		1.8250 - RETAINER, PUSH ROD												
9A	**5150303**	RETAINER (SNAP RING)	12	18	9	12	9	12	9	9	12	18	18	9
		1.8260 - FOLLOWER ASSY., CAM												
9A	**8924439**	FOLLOWER ASSY. (INCLUDES ROLLER SET)	12	18	9	12	9	12	9	9	12	18	18	9

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 62	65	72	74	76	122	129	145	163	164	165	166
		1.8265 - ROLLER SET, CAM FOLLOWER												
		INCLUDES ROLLER WITH BUSHING AND PIN.												
	8923814	ROLLER SET (STANDARD)	12	18	9	12	9	12	9	9	12	18	18	12
		1.8300 - GUIDE, CAM FOLLOWER												
9A	**5116125**	GUIDE	4	6	3	4	3	4	3	3	4	6	6	3
9A	**443603**	BOLT, 1/4"-20X3/4"(12.9001)	8	12	6	8	6	8	6	6	8	12	12	6
9A	**103319**	LOCKWASHER, 1/4"(12.9200)	8	12	6	8		8	6	6	8	12	12	6
9A	**103321**	LOCKWASHER, 3/8"(12.9200)					6							
		1.8310 - VALVE, EXHAUST												
9B	**5195948**	VALVE, 2,3,4-53 (INCLUDES LOCKS)			6	8								
9C	**5199323**	VALVE, 3,4,6,8V53 (INCLUDES LOCKS)		24				16	12	12	16	24		
	5197176	VALVE, 3,4-53 (INCLUDES LOCKS)	16				12						24	12
		1.8320 - GUIDE, EXHAUST VALVE												
		A VALVE GUIDE KIT INCLUDES 1-5131961 GUIDE AND 1-8921741 SEAL. INSTALLER (PKG.) CONSISTS OF 100 PIECES.												
2A,9B	**5129919**	GUIDE (2 VALVE)			6	8								
9C	**5131961**	GUIDE (4 VALVE)	16	24			12	16	12	12	16	24	24	12
	5198529	KIT, VALVE GUIDE AND SEAL	16	24			12	16	12	12	16	24	24	12
	8921741	SEAL, VALVE GUIDE (USE WITH 5131961) (4 VALVE)	16	24			12	16	12	12	16	24	24	12
	5129920	SEAL, VALVE GUIDE (USE WITH 5119992) (2 VALVE)			6	8								
	5199912	INSTALLER, EXHAUST VALVE SEAL (4 VALVE)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
	5199913	INSTALLER, EXHAUST VALVE SEAL (2 VALVE)			AR	AR								
		1.8330 - INSERT, EXHAUST VALVE												
9B	**5116196**	INSERT (STANDARD) (2 VALVE)			6	8								
9C	**5116361**	INSERT (STANDARD) (4 VALVE)		24			12	16	12	12	16	24	24	12
	5131614	INSERT (MULTIFUEL) (4 VALVE)	16											
9C	**5196752**	INSERT (.010" OVERSIZE ON O.D.) (4 VALVE)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
9B	**5196751**	INSERT (.010" OVERSIZE ON O.D.) (2 VALVE)			AR	AR								
		1.8340 - SPRING, EXHAUST VALVE												
9B	**5116140**	SPRING (2 VALVE)			6	8								
	5147424	% = + SPRING (BLUE AND WHITE STRIPE)	16					16		12		24		
9C	**5144019**	# * SPRING (RED AND GREEN STRIPE)	16	24			12		12		16		24	12

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 62	65	72	74	76	122	129	145	163	164	165	166
		1.8340 - SPRING, EXHAUST VALVE (CONT'D)												
		* THRU 6D-60776 FOR ENGINES EQUIPPED WITH 5126933 AND 5126934 CAMSHAFTS (STAMPED "V-7") OR 5135902 AND 5135 903 CAMSHAFTS (STAMPED "V").												
		= USE EFFECTIVE WITH 6D-60777 FOR ENGINES EQUIPPED WITH 5199396 AND 5199397 CAMSHAFTS (STAMPED "V7L") REP LACE SPRINGS @ QTY. OF 2 PER BRIDGE.												
		+ USE EFFECTIVE WITH 4D-112278 FOR ENGINES EQUIPPED WITH 5149095 CAMSHAFT (STAMPED "V7L")												
		# 5144019 SPRING MUST BE USED WITH 5126929, 5126930, 5126931 AND 5126932 HI-LIFT CAMSHAFTS ON 4 VALVE ENGIN ES.												
		% 5147424 SPRING MUST BE USED WITH 5149091, 5149093, 5149095 AND 5149097 LO-LIFT CAMSHAFTS ON 4 VALVE ENGIN ES.												
		1.8343 - BRIDGE, EXHAUST VALVE												
9C	**5135262**	BRIDGE	8	12			6	8	6	6	8	12	12	8
		1.8350 - CAP, EXHAUST VALVE SPRING												
	5111338	CAP			6	8								
C	**5123330**	CAP	16	24			12	16	12	12	16	24	24	12
		1.8360 - SEAT, EXHAUST VALVE SPRING												
9B	**5116243**	SEAT (TWO VALVE HEAD)			6	8								
9C	**5111467**	* SEAT (.060" THICK)	16	24			12	16	12	12	16	24	24	12
		* USE WHEN REPLACING SEAT ONLY IN 4 VALVE UNITS THRU 3D-056, 4D-317 AND UNITS EFFECTIVE WITH 3D-160, 4D-614 OR WHENEVER REPLACING VALVES IN ANY 4 VALVE UNIT.												
		1.8370 - LOCK, EXHAUST VALVE SPRING												
9B	**5111337**	LOCK (HALVES)			12	16								
9C	**5116341**	LOCK (HALVES)	32	48			24	32	24	24	32	48	48	24

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 167	168	169	170	171	172	173	174	175	176	180	181
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER												
		INCLUDES ITEMS IN 1.8130, 1.8140, 1.8150 AND 1.8343.												
9A	**5135268**	ARM ASSY. (RIGHT) (4 VALVE) (ITEM 2)	4		3				3	3	3	4	4	6
9A	**5135267**	ARM ASSY. (LEFT) (4 VALVE) (ITEM 1)	4		3				3	3	3	4	4	6
9A	**5119307**	ARM ASSY. (LEFT) (2 VALVE) (ITEM 1)		3		3	4	4						
9A	**5119308**	ARM ASSY. (RIGHT) (2 VALVE) (ITEM 2)		3		3	4	4						
		1.8080 - ARM ASSY., INJECTOR ROCKER												
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.												
9A	**5179954**	ARM ASSY.	4	3	3	3	4	4	3	3	3	4	4	6
		1.8110 - BUSHING INJECTOR ROCKER ARM-LARGE												
9A	**5150318**	BUSHING	4	3	3	3	4	4	3	3	3	4	4	6
9A	**8924355**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL												
9A	**5150311**	BUSHING	4	3	3	3	4	4	3	3	3	4	4	6
9A	**8924354**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM												
9A	**5150312**	CLEVIS	12	9	9	9	12	12	9	9	9	12	12	18
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A,C	**5123700**	BUSHING	20	9	15	9	12	12	15	15	15	20	20	30
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A	**5150314**	PIN (CLEVIS END)	12	9	9	9	12	12	9	9	9	12	12	18
9A,C	**5123711**	PIN (BRIDGE END)	8		6				6	6	6	8	8	12
		1.8160 - SHAFT ASSY., ROCKER												
		A SHAFT ASSY. INCLUDES PLUG IN 1.8160.												
9A	**5116072**	SHAFT ASSY.	4	3	3	3	4	4	3	3	3	4	4	6
9A	**5151272**	PLUG, 11/32" DIA. X 1/4" SPECIAL	4	3	3	3	4	4	3	3	3	4	4	6

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 167	168	169	170	171	172	173	174	175	176	180	181
		1.8170 - BRACKET, ROCKER SHAFT												
9A	**5116128**	BRACKET	8	6	6	5	8	7	6	6	6	8	8	12
9A	**5141276**	BRACKET				1		1						
9A	**5119198**	BOLT, 7/16"-14X3.38"	8	6	6	6	8	8	6	6	6	8	8	12
		1.8180 - ROD, PUSH												
9A	**5128640**	ROD	12	9	9	9	12	12	9	9	9	12	12	18
9A	**5151601**	LOCKNUT	12	9	9	9	12	12	9	9	9	12	12	18
		1.8190 - SPRING, PUSH ROD												
9A	**5108918**	SPRING (TWO ORANGE STRIPES) (INJECTOR & VALVE)	12	9	9	9	12	12	9	9	9	12	12	18
		1.8200 - SEAT, PUSH ROD SPRING-UPPER												
9A	**5108919**	SEAT (INJECTOR & VALVE)	12	9	9	9	12	12	9	9	9	12	12	18
		1.8210 - SEAT, PUSH ROD SPRING-LOWER												
9A	**5123250**	SEAT	12	9	9	9	12	12	9	9	9	12	12	18
		1.8250 - RETAINER, PUSH ROD												
9A	**5150303**	RETAINER (SNAP RING)	12	9	9	9	12	12	9	9	9	12	12	18
		1.8260 - FOLLOWER ASSY., CAM												
9A	**8924439**	FOLLOWER ASSY. (INCLUDES ROLLER SET)	12	9	9	9	12	12	9	9	9	12	12	18
		1.8265 - ROLLER SET, CAM FOLLOWER												
		INCLUDES ROLLER WITH BUSHING AND PIN.												
	8923814	ROLLER SET (STANDARD)	12	9	9	9	12	12	9	9	9	12	12	18
		1.8300 - GUIDE, CAM FOLLOWER												
9A	**5116125**	GUIDE	4	3	3	3	4	4	3	3	3	4	4	6
9A	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	8	6	6	6	8	8	6	6	6	8	8	12
9A	**103319**	LOCKWASHER, 1/4" (12.9200)	8	6	6	6	8	8	6	6	6	8	8	12
		1.8310 - VALVE, EXHAUST												
9C	**5199323**	VALVE (INCLUDES LOCK) (4 VALVE)	16		12				12	12	12	16		
9B	**5195948**	VALVE (INCLUDES LOCK) (2 VALVE)		6		6	8	8						
9C	**5197176**	VALVE (INCLUDES LOCK) (4 VALVE)											16	24

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 167	168	169	170	171	172	173	174	175	176	180	181
		1.8320 - GUIDE, EXHAUST VALVE												
		A VALVE GUIDE KIT INCLUDES 1-5131961 GUIDE AND 1-5131973 SEAL. INSTALLER (PKG) CONSISTS OF 100 PIECES.												
9C	**5131961**	GUIDE (4 VALVE)	16		12				12	12	12	16	16	24
9B	**5129919**	GUIDE (2 VALVE)		6		6	8	8						
	5198529	KIT, VALVE GUIDE AND SEAL	16		12				12	12	12	16	16	24
9C	**8921741**	SEAL, VALVE GUIDE (4 VALVE)	16		12				12	12	12	16	16	24
9B	**5129920**	SEAL, VALVE GUIDE (2 VALVE)		6		6	8	8						
	5199912	INSTALLER, EXHAUST VALVE SEAL (4 VALVE)	AR		AR				AR	AR	AR	AR	AR	AR
	5199913	INSTALLER, EXHAUST VALVE SEAL (2 VALVE)		AR		AR	AR	AR						
		1.8330 - INSERT, EXHAUST VALVE												
9C	**5116361**	INSERT (STANDARD) (4 VALVE)	16		12				12	12	12	16	16	24
9B	**5116196**	INSERT (STANDARD) (2 VALVE)		6		6	8	8						
9C	**5196752**	INSERT (.010" O.S. O.D.) (4 VALVE)	AR		AR				AR	AR	AR	AR	AR	AR
9B	**5196751**	INSERT (.010" O.S. O.D.) (2 VALVE)		AR		AR	AR	AR						
		1.8340 - SPRING, EXHAUST VALVE												
9C	**5147424**	SPRING (BLUE AND WHITE STRIPE) (4 VALVE)	16		12				12		12	16	16	24
9B	**5116140**	SPRING (2 VALVE)		6		6	8	8						
9C	**5144019**	SPRING (RED AND GREEN STRIPE) (4 VALVE)								12				
		1.8343 - BRIDGE, EXHAUST VALVE												
9C	**5135262**	BRIDGE	8		6				6	6	6	8	8	12
		1.8350 - CAP, EXHAUST VALVE SPRING												
9C	**5123330**	CAP (4 VALVE)	16		12				12	12	12	16	16	24
9B	**5111338**	CAP (2 VALVE)		6		6	8	8						
		1.8360 - SEAT, EXHAUST VALVE SPRING												
9C	**5111467**	SEAT (.063" THICK) (4 VALVE)	16		12				12	12	12	16	16	24
9B	**5116243**	SEAT (2 VALVE)		6		6	8	8						
		1.8370 - LOCK, EXHAUST VALVE SPRING												
9C	**5116341**	LOCK (HALVES) (4 VALVE)	32		24				24	24	24	32	32	48
9B	**5111337**	LOCK (HALVES) (2 VALVE)		12		12	16	16						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 182	185	186	187	188	192	193	203	204	270	284	287
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER												
		INCLUDES ITEMS IN 1.8130, 1.8140, 1.8150 AND 1.8343.												
9A	**5135268**	ARM ASSY. (RIGHT) (4 VALVE) (ITEM 2)	3	3				3		3	6	4	4	6
9A	**5135267**	ARM ASSY. (LEFT) (4 VALVE) (ITEM 1)	3	3				3		3	6	4	4	6
9A	**5119307**	ARM ASSY. (LEFT) (2 VALVE) (ITEM 1)			4	4	4		3					
9A	**5119308**	ARM ASSY. (RIGHT) (2 VALVE) (ITEM 2)			4	4	4		3					
		1.8080 - ARM ASSY., INJECTOR ROCKER												
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.												
9A	**5179954**	+ ARM ASSY.	3	3	4	4	4	3	3	3	6			
9A	**8923543**	ARM ASSY.										4	4	6
		+ NOT SERVICED. USE 8923543.												
		1.8110 - BUSHING INJECTOR ROCKER ARM-LARGE												
9A	**5150318**	BUSHING	3	3	4	4	4	3	3	3	6	4	4	6
9A	**8924355**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL												
9A	**5150311**	BUSHING	3	3	4	4	4	3	3	3	6	4	4	6
9A	**8924354**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM												
9A	**5150312**	CLEVIS	9	9	12	12	12	9	9	9	18	12	12	18
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A,C	**5123700**	BUSHING	15	15	12	12	12	15	9	15	30	20	20	30
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS												
9A	**5150314**	PIN (CLEVIS END)	9	9	12	12	12	9	9	9	18	12	12	18
9A,C	**5123711**	PIN (BRIDGE END)	6	6				6		6	12	8	8	12
		1.8160 - *SHAFT ASSY., ROCKER*												
		A SHAFT ASSY. INCLUDES PLUG IN 1.8160.												
9A	**5116072**	SHAFT ASSY.	3	3	4	4	4	3	3	3	6	4	4	6
9A	**5151272**	PLUG, 11/32" DIA. X 1/4" SPECIAL	3	3	4	4	4	3	3	3	6	4	4	6

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 182	185	186	187	188	192	193	203	204	270	284	287
		1.8170 - BRACKET, ROCKER SHAFT												
9A	**5116128**	BRACKET	6	6	8	8	7	6	6	6	12	8	8	12
9A	**5141276**	BRACKET					1							
9A	**5119198**	BOLT, 7/16"-14X3.38"	6	6	8	8	8	6	6	6	12	8	8	12
		1.8180 - ROD, PUSH												
9A	**5128640**	ROD	9	9	12	12	12	9	9	9	18	12	12	18
9A	**5151601**	LOCKNUT	9	9	12	12	12	9	9	9	18	12	12	18
		1.8190 - SPRING, PUSH ROD												
9A	**5108918**	SPRING (INJECTOR & VALVE)	9	9	12	12	12	9	9	9	18	12	12	18
		1.8200 - SEAT, PUSH ROD SPRING-UPPER												
9A	**5108919**	SEAT (INJECTOR & VALVE)	9	9	12	12	12	9	9	9	18	12	12	18
		1.8210 - SEAT, PUSH ROD SPRING-LOWER												
9A	**5123250**	SEAT	9	9	12	12	12	9	9	9	18	12	12	18
		1.8250 - RETAINER, PUSH ROD												
9A	**5150303**	RETAINER (SNAP RING)	9	9	12	12	12	9	9	9	18	12	12	18
		1.8260 - FOLLOWER ASSY., CAM												
9A	**8924439**	FOLLOWER ASSY. (INCLUDES ROLLER SET)	9	9	12	12	12	9	9	9	18	12	12	18
		1.8265 - ROLLER SET, CAM FOLLOWER												
		INCLUDES ROLLER WITH BUSHING AND PIN.												
	8923814	ROLLER SET (STANDARD)	9	9	12	12	12	9	9	9	18	12	12	18
		1.8300 - GUIDE, CAM FOLLOWER												
9A	**5116125**	GUIDE	3	3	4	4	4	3	3	3	6	4	4	6
9A	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	6	6	8	8	8	6	6	6	12	8	8	12
9A	**103319**	LOCKWASHER, 1/4" (12.9200)	6	6	8	8	8	6	6	6	12	8	8	12
		1.8310 - VALVE, EXHAUST												
9C	**5197176**	VALVE (INCLUDES LOCK) (4 VALVE)	12					12				16		24
9C	**5199323**	VALVE (INCLUDES LOCK) (4 VALVE)		12						12	24		16	
9B	**5195948**	VALVE (INCLUDES LOCK) (2 VALVE)			8	8	8		6					

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 182	185	186	187	188	192	193	203	204	270	284	287
		1.8320 - GUIDE, EXHAUST VALVE												
		A VALVE GUIDE KIT INCLUDES 1-5131961 GUIDE AND 1-8921741 SEAL. INSTALLER (PKG) CONSISTS OF 100 PIECES.												
9C	**5131961**	*GUIDE (4 VALVE)*	12	12				12		12	24	16	12	16
9B	**5129919**	GUIDE (2 VALVE)			8	8	8		8					
	5198529	KIT, VALVE GUIDE AND SEAL (4 VALVE)	12	12				12		12	24	16	12	12
9C	**8921741**	SEAL, VALVE GUIDE (4 VALVE)	12	12				12		12	24	16	12	12
9B	**8921209**	SEAL, VALVE GUIDE (2 VALVE)			8	8	8		8					
	5199912	INSTALLER, EXHAUST VALVE SEAL (4 VALVE)	AR	AR				AR		AR	AR	AR	AR	AR
	5199913	INSTALLER, EXHAUST VALVE SEAL (2 VALVE)			AR	AR	AR		AR					
		1.8330 - INSERT, EXHAUST VALVE												
9C	**8921501**	INSERT (STANDARD) (4 VALVE)	12	12				12		12	24		16	12
9B	**5116196**	INSERT (STANDARD) (2 VALVE)			8	8	8		8					
9C	**5196752**	INSERT (.010" O.S. O.D.) (4 VALVE)	AR	AR				AR		AR	AR	AR	AR	AR
9B	**5196751**	INSERT (.010" O.S. O.D.) (2 VALVE)			AR	AR	AR		AR					
9C	**8921502**	INSERT (MULTIFUEL) (4 VALVE)										16		12
		1.8340 - SPRING, EXHAUST VALVE												
9C	**5147424**	*SPRING (SOLID RED COLOR) (4 VALVE)*	12	12						12	24	16	16	
9B	**5116140**	SPRING (2 VALVE)			8	8	8		6					
9C	**5144019**	% SPRING (RED AND GREEN STRIPE)						12						24
		% 5144019 SPRING MUST BE USED WITH 5126929, 5126930, 5126931 AND 5126932 HI-LIFT CAMSHAFTS ON 4 VALVE ENGIN ES.												
		1.8343 - BRIDGE, EXHAUST VALVE												
9C	**5135262**	*BRIDGE*	6	6				6		6	12	8	8	12
		1.8350 - CAP, EXHAUST VALVE SPRING												
9C	**5123330**	CAP (4 VALVE)	12	12				12		12	24	16	16	24
9B	**5111338**	CAP (2 VALVE)			8	8	8		6					
		1.8360 - SEAT, EXHAUST VALVE SPRING												
9C	**5111467**	*SEAT (.063" THICK) (4 VALVE)*	12	12				12		12	24	16	16	24
9B	**5116243**	SEAT (2 VALVE)			8	8	8		6					
		1.8370 - LOCK, EXHAUST VALVE SPRING												
9C	**5116341**	LOCK (HALVES) (4 VALVE)	24	24				24		24	48	32	32	48
9B	**5111337**	LOCK (HALVES) (2 VALVE)			16	16	16		12					

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 289	293	295	302	317
		1.8060 - ARM ASSY., EXHAUST VALVE ROCKER					
		INCLUDES ITEMS IN 1.8130, 1.8140, 1.8150 AND 1.8343.					
9A	**5135268**	ARM ASSY. (RIGHT) (4 VALVE) (ITEM 2)	3	6	6	6	3
9A	**5135267**	ARM ASSY. (LEFT) (4 VALVE) (ITEM 1)	3	6		6	3
	8927905	ARM ASSY. (LEFT) (4 VALVE) (JAC BRK)			6		
		1.8072 - KIT, HOUSINGS AND ATTACHING PARTS (JACOBS BRAKE)					
	8927912	+ KIT (# 3501)			1		
	10517266	+ HOUSING, OIL SUPPLY (#3501)			2		
	10513762	+ HOUSING, DRONE (#3502)			4		
	10513740	+ HOUSING ASSY. (ATTACHING PARTS) (#2885) (INCLUDES PLUGS, NUTS, CONNECTORS AND SEALS SHOWN IN 1. 8072)			1		
	10513739	+ PLUG (#2328)			4		
	10513738	+ NUT, JAM (#2249)			4		
	10513737	+ CONNECTOR (#2235)			4		
	10513141	+ SEAL (#2236)			4		
	10513101	+ BOLT (#2715)			12		
		+ NOT SERVICED BY DETROIT DIESEL ALLISON DIVISION, PROCURE FROM "THE JACOBS MANUFACTURING CO.", WEST HART FORD, CONNECTICUT. FURNISH THEIR PART NUMBER IN PARENTHESES.					
		1.8080 - ARM ASSY., INJECTOR ROCKER					
		INCLUDES ITEMS IN 1.8110 THRU 1.8150.					
9A	**8923543**	ARM ASSY.	3	6	6	6	3
		1.8110 - BUSHING INJECTOR ROCKER ARM-LARGE					
9A	**5150318**	BUSHING	3	6	6	6	3
9A	**8924355**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR
		1.8120 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM-SMALL					
9A	**5150311**	BUSHING	3	6	6	6	3
9A	**8924354**	BUSHING, .0015" U.S. I.D.	AR	AR	AR	AR	AR
		1.8130 - CLEVIS, INJECTOR AND EXHAUST VALVE ROCKER ARM					
9A	**5150312**	CLEVIS	12	18	18	18	12
		1.8140 - BUSHING, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS					
9A,C	**5123700**	BUSHING	15	30	30	30	15

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 289	293	295	302	317
		1.8150 - PIN, INJECTOR AND EXHAUST VALVE ROCKER ARM CLEVIS					
9A	5150314	PIN (CLEVIS END)	9	18	18	18	9
9A,C	5123711	PIN (BRIDGE END)	6	12	6	12	6
	10513760 +	PIN (BRIDGE END) (#2872)			6		
		+ NOT SERVICED BY DETROIT DIESEL ALLISON DIVISION, PROCURE FROM "THE JACOBS MANUFACTURING CO.", *WEST HART FORD, CONNECTICUT.* FURNISH THEIR PART NUMBER IN PARENTHESES.					
		1.8160 - SHAFT ASSY., ROCKER					
		A SHAFT ASSY. INCLUDES PLUG IN 1.8160.					
9A	5116072	SHAFT ASSY.	3	6	6	6	3
9A	5151272	PLUG, 11/32" DIA. X 1/4" SPECIAL	3	6	6	6	3
		1.8170 - BRACKET, ROCKER SHAFT					
9A	5116128	BRACKET	6	12	12	12	6
9A	5119198	BOLT, 7/16"-14X3.38"	6	12	12	12	6
		1.8180 - ROD, PUSH					
9A	5128640	ROD	9	18	18	18	9
9A	5151601	LOCKNUT	9	18	18	18	9
		1.8190 - SPRING, PUSH ROD					
9A	5108918	SPRING (INJECTOR & VALVE)	9	18	18	18	9
		1.8200 - SEAT, PUSH ROD SPRING-UPPER					
9A	5108919	SEAT (INJECTOR & VALVE)	9	18	18	18	9
		1.8210 - SEAT, PUSH ROD SPRING-LOWER					
9A	5123250	SEAT	9	18	18	18	9
		1.8250 - RETAINER, PUSH ROD					
9A	5150303	RETAINER (SNAP RING)	9	18	18	18	9
		1.8260 - FOLLOWER ASSY., CAM					
9A	8924439	FOLLOWER ASSY. (INCLUDES ROLLER SET)	9	18	18	18	9

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 289	293	295	302	317
		1.8265 - ROLLER SET, CAM FOLLOWER					
		INCLUDES ROLLER WITH BUSHING AND PIN.					
	8923814	ROLLER SET (STANDARD)	9	18	18	18	9
		1.8300 - GUIDE, CAM FOLLOWER					
9A	**5116125**	GUIDE	3	6	6	6	3
9A	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	6	12	12	12	6
9A	**103319**	LOCKWASHER, 1/4" (12.9200)	6	12	12	12	6
		1.8310 - VALVE, EXHAUST					
9C	**5197176**	VALVE (INCLUDES LOCK) (4 VALVE)			24	24	12
9C	**5199323**	VALVE (INCLUDES LOCK) (4 VALVE)	12	24			
		1.8320 - GUIDE, EXHAUST VALVE					
		A VALVE GUIDE KIT INCLUDES 1-5131961 GUIDE AND 1-8921741 SEAL. INSTALLER (PKG) CONSISTS OF 100 PIECES.					
9C	**5131961**	GUIDE (4 VALVE)	12	12	12	12	12
	5198529	KIT, VALVE GUIDE AND SEAL (4 VALVE)	12	12	12	12	12
9C	**8921741**	SEAL, VALVE GUIDE (4 VALVE)	12	12	12	12	12
	5199912	INSTALLER, EXHAUST VALVE SEAL (4 VALVE)	AR	AR	AR	AR	AR
		1.8330 - INSERT, EXHAUST VALVE					
9C	**8921501**	INSERT (STANDARD) (4 VALVE)	12	12	12		
9C	**8921502**	INSERT (MULTIFUEL) (4 VALVE)		12	12	12	12
9C	**5196752**	INSERT (.010" O.S. O.D.) (4 VALVE)	AR	AR	AR	AR	AR
		1.8340 - SPRING, EXHAUST VALVE					
9C	**5147424**	SPRING (SOLID RED COLOR) (4 VALVE)	12			24	12
9C	**5144019**	% SPRING (RED AND GREEN STRIPE)		24	24		
		% 5144019 SPRING MUST BE USED WITH 5126929, 5126930, 5126931 AND 5126932 HI-LIFT CAMSHAFTS ON 4 VALVE ENGIN ES.					
		1.8343 - BRIDGE, EXHAUST VALVE					
9C	**5135262**	BRIDGE	6	12	6	12	6
	10513100	+ BRIDGE (#2871)			6		
		+ NOT SERVICED BY DETROIT DIESEL ALLISON DIVISION, PROCURE FROM "THE JACOBS MANUFACTURING CO.", WEST HART FORD, CONNECTICUT. FURNISH THEIR PART NUMBER IN PARENTHESES.					

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1.8000 VALVE AND INJECTOR OPERATING MECHANISM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 289	293	295	302	317
		1.8350 - CAP, EXHAUST VALVE SPRING					
9C	**5123330**	CAP (4 VALVE)	12	24	24	24	12
		1.8360 - SEAT, EXHAUST VALVE SPRING					
9C	**5111467**	SEAT (.063" THICK) (4 VALVE)	12	24	24	24	12
		1.8370 - LOCK, EXHAUST VALVE SPRING					
9C	**5116341**	LOCK (HALVES) (4 VALVE)	24	48	48	48	24

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 36	37	38	39	40	41	42	47	53	54	55	58
		1.8450 - COVER ASSY., ROCKER												
9D	**5125349**	+ COVER, 2-53 (PLAIN)	1											
9D	**5125348**	COVER, 2-53 (ITEM 2)(Y-6")		1										
9D	**5125356**	COVER, 3,6V53 (PLAIN)			1							2		
9D	**5125355**	COVER, 3,6V53 (ITEM 2)(Y-6")				1					2			
9D	**5125353**	COVER, 4,8V53 (PLAIN)					1							
9D	**5125352**	COVER, 4,8V53 (ITEM 2)(Y-6")						1						
9D	**5125350**	* COVER, 2-53 (ITEM 1)(X-6")(5125348)							1					
9D	**5125354**	* COVER, 4,8V53(ITEM 1)(X-6")(5125352)								1				
9D	**5125357**	* COVER, 3,6V53(ITEM 1)(X-6")(5125355)											1	
9D	**5127116**	* COVER, 4,8V53 (ITEM 1)(X-16.82") (5145366)												1
		* NOT SERVICED, USE PART SHOWN IN PARENTHESES. NOTE: CUSTOMER MUST ALSO INSTALL FLYWHEEL HOUSING BREATHER I F UNIT DOES NOT HAVE ONE.												
		+ NOT SERVICED, USE 5125348 COVER ASSY. AND 5108474 CAP ASSY.												
		1.8455 - GASKET, ROCKER COVER												
9D	**5147993**	GASKET, 2-53	1	1					1					
9D	**5147994**	GASKET, 3,6V53			1	1					2	2	1	
9D	**5147506**	GASKET, 4,8V53					1	1		1				
		1.8460 - BOLT, ROCKER COVER												
9D	**5100104**	SCREW ASSY.	4	4	4	4	6	6	2	6	8	8	4	6
		1.8500 - PLATE, OPTION AND ACCESSORY NAME												
	5104203	* PLATE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT PLATE CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.												
		1.8502 - RETAINER, ROCKER COVER NAME PLATE												
	5178347	RETAINER, NAME PLATE	1	1	1	1	1	1	1	1	2	2	1	1

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 61	62	63	64	65	66	68	70	71	72	73	74
		1.8450 - COVER ASSY., ROCKER												
9D	5127778	COVER, 3,6V53 (ITEM 4)(Y-8.72",Z-6")	1											
9D	5125356	COVER, 3,6V53 (PLAIN)		1		1								
9D	5127779	COVER, 4, 8V53 (ITEM 4) (Y-8.72", Z-6.02")			1									
9D	5125355	COVER, 3,6V53 (ITEM 2)(Y-6")				1	1							
9D	5127777	COVER, 2-53 (ITEM 4)(Y-3.32",Z-6")						1						
9D	5128373	COVER, 4,8V53 (ITEM 4)(Y-14.12", Z-16.82")							1					
9D	5128372	COVER, 3,6V53 (ITEM 4)(Y-8.72", Z-11.42")					1			1				
9D	5128430	COVER, 3,6V53 (ITEM 3)(Z-11.42")		1							1			
9D	5128429	COVER, 3,6V53 (ITEM 3)(Z-6")										1		
9D	5128432	COVER, 4,8V53 (ITEM 3)(Z-16.82")											1	
9D	5128431	% COVER, 4,8V53 (ITEM 3)(Z-6")												1
		% NOT SERVICED. FOR SERVICE USE 5127779 AND 5108474 CAP.												
		1.8455 - GASKET, ROCKER COVER												
9D	5147993	GASKET, 2-53						1						
9D	5147994	GASKET, 3,6V53	1	2		2	2			1	1	1		
9D	5147506	GASKET, 4,8V53			1				1				1	1
		1.8460 - BOLT, ROCKER COVER												
9D	5100104	SCREW ASSY.	4	8	6	8	8	4	6	4	4	4	6	6
		1.8500 - PLATE, OPTION AND ACCESSORY NAME												
	5104203	* PLATE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT PLATE CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.												
		1.8502 - RETAINER, ROCKER COVER NAME PLATE												
	5178347	RETAINER, NAME PLATE	1	2	1	2	2	1	1	1	1	1	1	1

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 77	78	80	82	86	87	88	97	103	106	107	108
		1.8450 - COVER ASSY., ROCKER												
9D	**5162981**	COVER, 4,8V53 (ITEM 4)(Y-2.46", Z-16.82")	1											
9D	**5100526**	COVER, 3,6V53 (ITEM 2) (Y-6.02")		1						1				
9D	**5132442**	+ COVER, 3,6V53 (PLAIN)		1						1				
9D	**5128372**	COVER, 3,6V53 (ITEM 4)(Y-8.72", Z-11.42")			1									
9D	**5125356**	COVER, 3,6V53 (PLAIN)			1			1	1					
9D	**5170503**	COVER, 3,6V53 (ITEM 3, TOP OUTLET) (Z-6")				1								
9D	**5125355**	COVER, 3,6V53 (ITEM 2)(Y-6")				1	1	1						
9D	**5130408**	COVER, 3,6V53 (ITEM 3)(Z-11.42")					1							
9D	**5100519**	COVER, 3,6V53 (ITEM 4)(Y-8.72",Z-6")							1					
9D	**5125352**	COVER, 4,8V53 (ITEM 2)(Y-6")									1			
9D	**5125353**	COVER, 4,8V53 (PLAIN)									1			1
9D	**5128373**	COVER, 4,8V53 (ITEM 4)(Z-14.12", Z-16.82")										1	1	1
9D	**5128432**	COVER, 4,8V53 (ITEM 3)(Z-16.82")											1	
		+ NOT SERVICED. USE 5109384 AND 5178347.												
		1.8455 - GASKET, ROCKER COVER												
9D	**5147506**	GASKET, 4,8V53	1								2	1	2	2
9D	**5147994**	GASKET, 3,6V53		2	2	2	2	2	2	2				
		1.8460 - BOLT, ROCKER COVER												
9D	**5100104**	SCREW ASSY.	6	8	8	8	8	8	8	8	12	6	12	12
		1.8500 - PLATE, OPTION AND ACCESSORY NAME												
	5104203	* PLATE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT PLATE CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.												
		1.8502 - RETAINER, ROCKER COVER NAME PLATE												
	5178347	RETAINER, NAME PLATE	1	2	2	1	1	2	2	2	2	1	2	2

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 109	110	114	115	120	121	132	167	171	181	183	185
		1.8450 - COVER ASSY., ROCKER												
9D	5132442	= COVER, 3,6V53 (PLAIN)	1											
9D	5125356	COVER, 3,6V53 (PLAIN)		1							2			
9D	5125355	COVER, 3,6V53 (ITEM 2)(Y-6")												1
9D	5125352	COVER, 4,8V53 (ITEM 2)(Y-6")						1						
9D	5125353	COVER, 4,8V53 (PLAIN)								1			1	
9D	5128373	COVER, 4,8V53 (ITEM 4)(Z-14.12", Z-16.82")											1	
9D	5128432	COVER, 4,8V53 (ITEM 3)(Z-16.82")					1	1				1		
9D	5100526	COVER, 3,6V53 (ITEM 2)(Y-6.02")	1											
	5136616	# COVER, 3, 6V53 (FILLER ON END)							1					
9D	5127779	COVER, 4, 8V53 (ITEM 4) (Y-8.72", Z-6.02")										1		
9D	5140525	* COVER ASSY., 3, 6V53 (INCLUDES PIN AND OIL FILLER CAP) (ITEM 4) (Y-8.72", Z-11.42")		1										
9D	5134106	@ COVER ASSY., 3,6V53 (INC. PIN AND OIL FILLER CAP)(Y-8.72",Z-16.82")			1									
9D	5145916	& COVER ASSY., 3, 6V53 (INCLUDES PIN AND OIL FILLER CAP) (ITEM 4) (Y-8.72", Z-11.42")				1								
9D	5145917	% COVER ASSY., 3,6V53				1								
9D	5140259	CAP (W/CHAIN)(4.5010)		1	1	2								
	108630	PIN, 1/8"X7/8" COTTER (12.9250)		1	1	1								
		# INCLUDES ITEMS IN 4.5000A,TYPE 86.												
		* NOT SERVICED, USE 5135046 COVER PLUS (1) 5140259 CAP.												
		@ NOT SERVICED, USE 5134069 COVER PLUS (1) 5140259 CAP.												
		& OBSOLETE.												
		% NOT SERVICED. USE 5135046 COVER PLUS SIDE 5108474 CAP.												
		= NOT SERVICED. USE 5109384 AND 5178347.												
		1.8455 - GASKET, ROCKER COVER												
9D	5147506	GASKET, 4,8V53					1	2		1		2	2	
9D	5147994	GASKET, 3,6V53	2	2	1	2			1		2			1
		1.8460 - BOLT, ROCKER COVER												
9D	5100104	SCREW ASSY.	8	8	4	8	6	12	4	6	8	12	12	4
		1.8500 - PLATE, OPTION AND ACCESSORY NAME												
	5104203	* PLATE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT PLATE CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.												
		1.8502 - RETAINER, ROCKER COVER NAME PLATE												
	5178347	RETAINER, NAME PLATE	2	2	1	2	1	2	1	1	2	2	2	1

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 207	215	216	224	239	279	281	301	310	311	402	454	472	474
		1.8450 - COVER ASSY., ROCKER														
9D	5145366	COVER, 4,8V53 (ITEM 2)(Y-6.02")	1													
9D	5125352	COVER, 4,8V53 (ITEM 2)(Y-6")		1		1										
9D	5128373	COVER, 4,8V53 (ITEM 4)(Y-14.12", Z-16.82")		1												
	5144964	+ COVER, 4,8V53 (BREATHER PLUS FILLER)			1											
	5144961	% COVER, 4,8V53 (BREATHER PLUS FILLER)			1											
9D	5128432	COVER, 4,8V53 (ITEM 3)(Z-16.82")				1						1				
9D	5145882	COVER, 4,8V53 (CENTER BREATHER HOLE) (FILLER 16.82") (ITEM 2) (Y-16.82")					2			1						
9D	5125356	COVER, 3,6V53 (PLAIN)						1								
9D	8921599	COVER, 3, 6V53 (ITEM 3) (Z-8.72") (CENTER BREATHER HOLE)							1				1	1	1	1
9D	5103244	COVER, 6V53 (CENTER BREATHER HOLE) (ITEM 1) (X-8.72")											1		1	1
	5101343	COVER, 6V53 (BREATHER PLUS FILLER)						1	1		1		1			1
9D	5128430	COVER, 3,6V53 (ITEM 3) (2-11.42")														
		+ NOT SERVICED. FOR SERVICE USE 5127779, 1-5131952 SHELL AND 1-5184587 TUBE.														
		% NOT SERVICED. FOR SERVICE USE 5128373, 1-5131952 AND 5184587 TUBE.														
		1.8455 - GASKET, ROCKER COVER														
9D	5147506	GASKET, 4,8V53	1	2	2	2	2			1		1				
9D	5147994	GASKET, 3,6V53						2	2		1		2	1	1	2
		1.8460 - BOLT, ROCKER COVER														
9D	5100104	SCREW ASSY.	6	12	12	12	12	8	4	6	6	8		4	4	8
		1.8500 - PLATE, OPTION AND ACCESSORY NAME														
	5104203	* PLATE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED BY DDA. FOR REPLACEMENT PLATE CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.														
		1.8502 - RETAINER, ROCKER COVER NAME PLATE														
	5178347	RETAINER, NAME PLATE	1	2	2	2	2	2	2	1	1	1	1	1	1	1

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1.8000A ROCKER COVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 476	477	482	487	488	499	516	517	519	520	521
		1.8450 - COVER ASSY., ROCKER											
	8921467	COVER, 3, 6V53 (CENTER BREATHER HOLE)	1	1									
9D	**5106218**	COVER, 6V53 (RB) (CENTER BREATHER HOLE) (ITEM 1) (X-8.72")		1	1								
	8922425	COVER, 6V53 (LB) (CENTER BREATHER HOLE)			1								
9D	**5125356**	COVER, 3-53 (PLAIN)				1							1
9D	**5135046**	COVER, 3-53 (ITEM 4) (Y-8.72", Z-11.42")				1							
9D	**8923510**	COVER, 4-53 (ITEM 4) (Y-14.12", Z-6.02")					1						
9D	**8924737**	COVER, 4-53 (ITEM 2) (Y-20.38")						1					
9E	**8925269**	COVER, 3, 6V53 (CAST ALUM.; W/BREATHER HOLE)							1		1		
9E	**8925270**	COVER, 3, 6V53 (CAST ALUM; W/BREATHER AND OIL FILLER HOLE)								1	1		
9E	**8925272**	COVER, 4-53 (CAST ALUM; W/BREATHER AND OIL FILLER TUBE)										1	
	5103244	COVER, 6V53 (W/BREATHER HOLE)											1
		1.8455 - GASKET, ROCKER COVER											
9D	**5147994**	GASKET, 3, 6V53	1	2	2	2							2
9D	**5147506**	GASKET, 4-53					1	1					
9E	**8925273**	GASKET, 3-53 (CAST COVER)							1	1	2		
	8925274	GASKET, 4-53 (CAST COVER)										1	
		1.8460 - BOLT, ROCKER COVER											
9D	**5100104**	SCREW ASSY.	4	8	8	8	6	6					8
9E	**8925277**	BOLT, 3/8"-16X3.060" 12 PT.							2	2	4	2	
9E	**5104514**	WASHER, SPECIAL							2	2	4	2	
9E	**8925275**	BRACKET, ROCKER COVER HOLD DOWN (R.H.)							1	1	2	1	
9E	**8925276**	BRACKET, ROCKER COVER HOLD DOWN (L.H.)							1	1	2	1	
		1.8461 - ISOLATOR, ROCKER COVER BOLT											
9E	**5104515**	ISOLATOR							2	2	4	2	
		1.8500 - PLATE, OPTION AND ACCESSORY NAME											
	5104203	* PLATE * NOT SERVICED BY DDA. FOR REPLACEMENT PLATE CONTACT YOUR LOCAL DISTRIBUTOR AND PROVIDE ENGINE SERIAL NUMBE R.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		1.8502 - RETAINER, ROCKER COVER NAME PLATE											
	5178347	RETAINER	1	1	1	1	1	1					1
9E	**8925426**	RETAINER							2	2	2	2	
9E	**145382**	SCREW, #8X3/8" DRIVE (12.9067)							4	4	4	4	

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A *Flywheel Housing*
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler *(Twin and Quad)*
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A *Oil Pan*
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- *10.1000A Engine Hood*

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

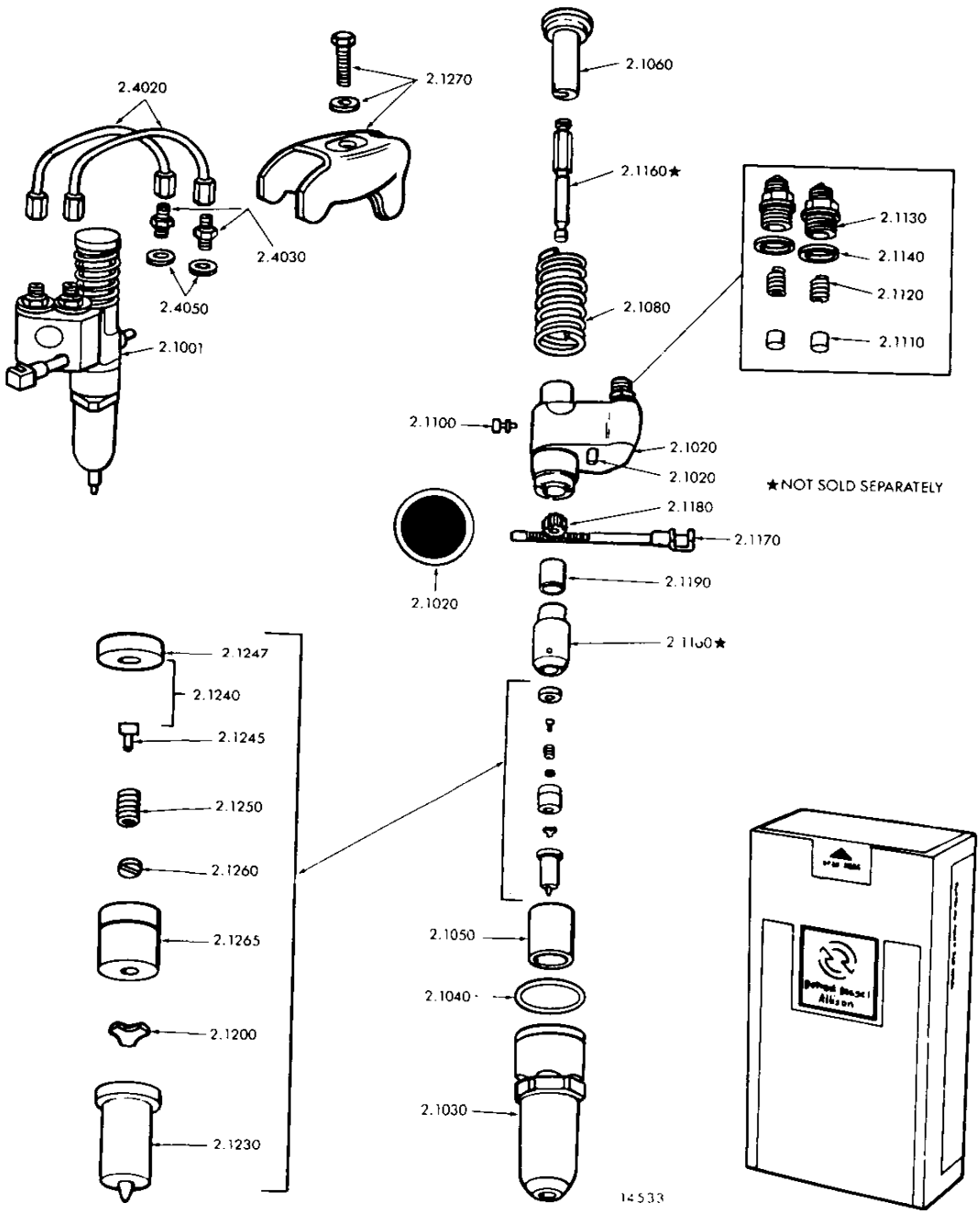


FIG. 1A FUEL INJECTOR

Fig. 1A of 2.0000

OCT., 1978

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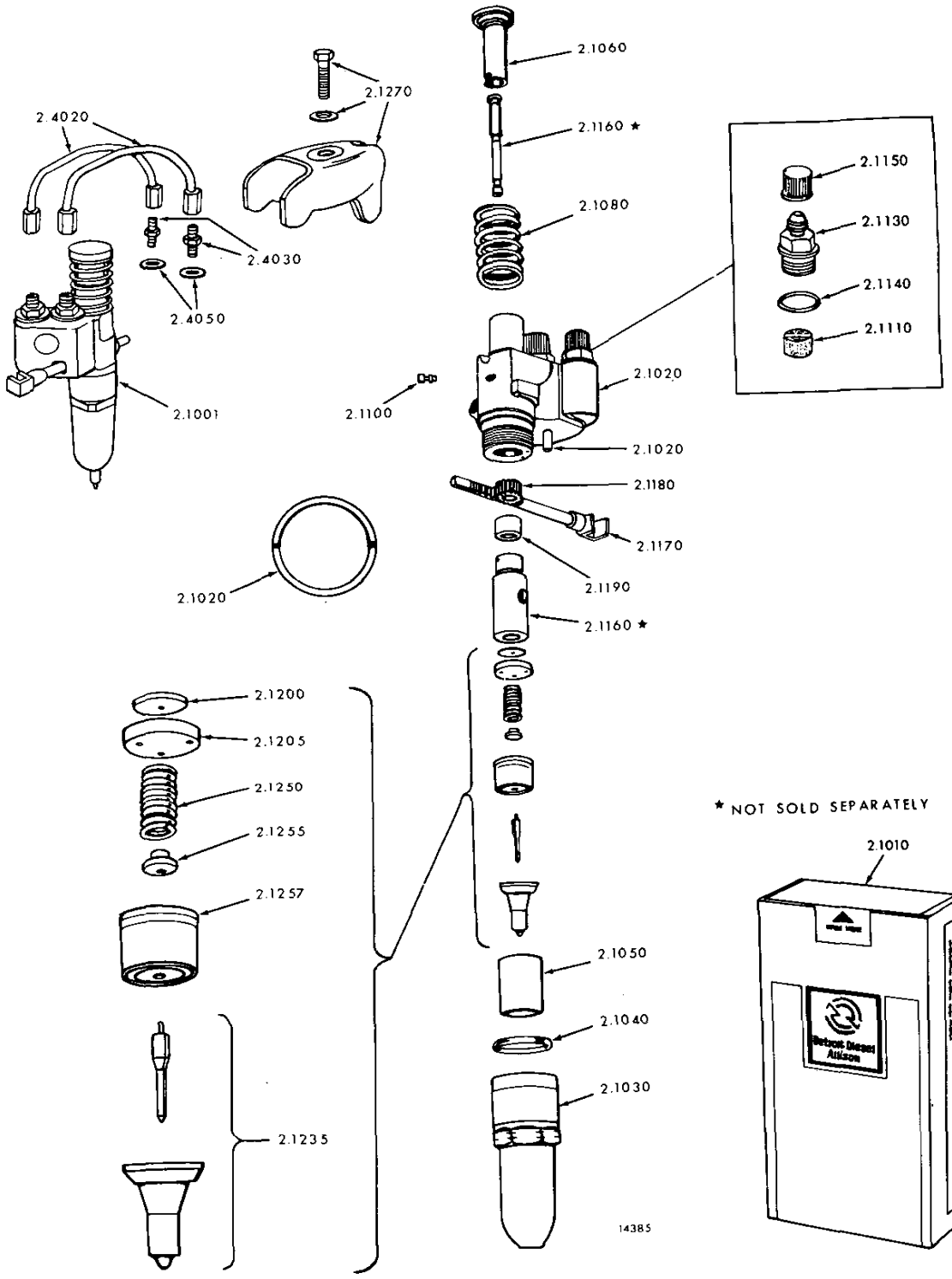


FIG. 1B FUEL INJECTOR

Fig. 1B of 2.0000

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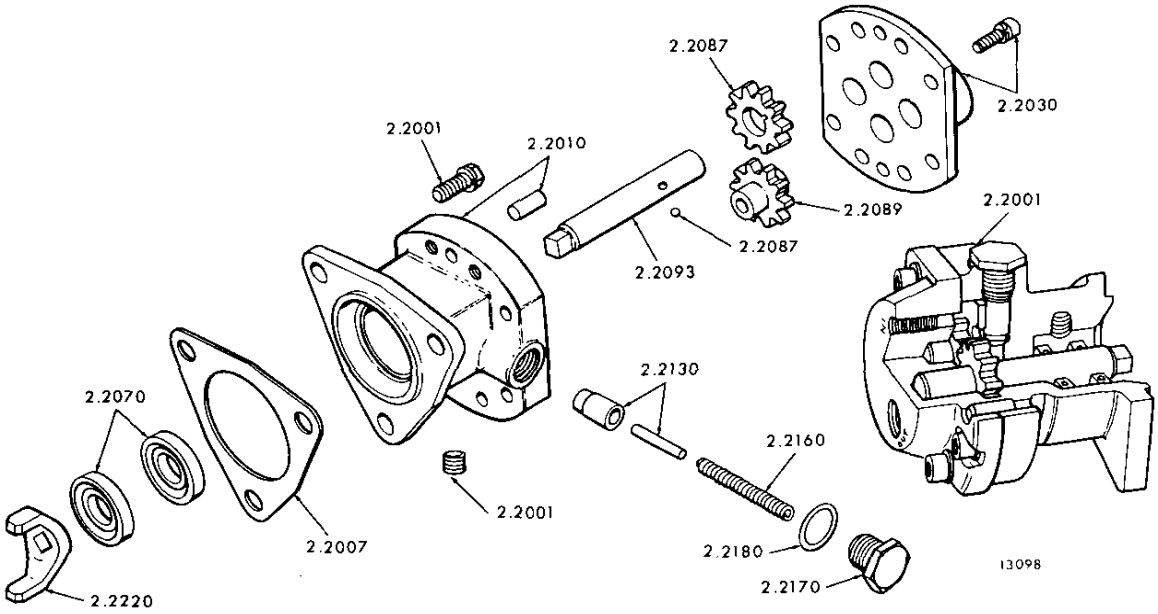


FIG. 2A FUEL PUMP

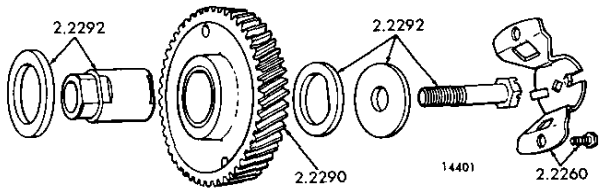


FIG. 2B FUEL PUMP DRIVE

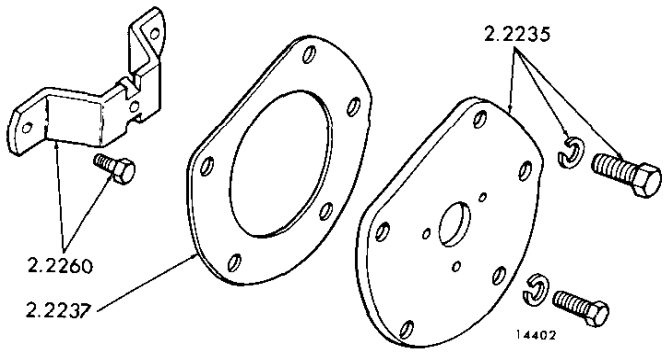


FIG. 2C - FUEL PUMP DRIVE

Figs. 2A, 2B & 2C of 2.0000

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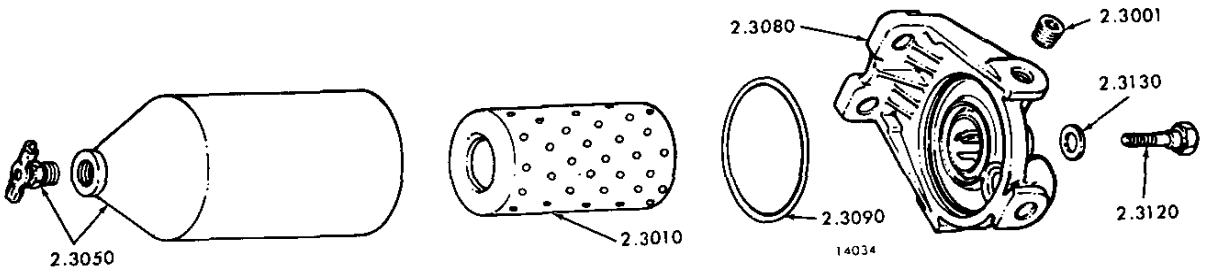


FIG. 3A FUEL STRAINER (COTTON WOUND ELEMENT)

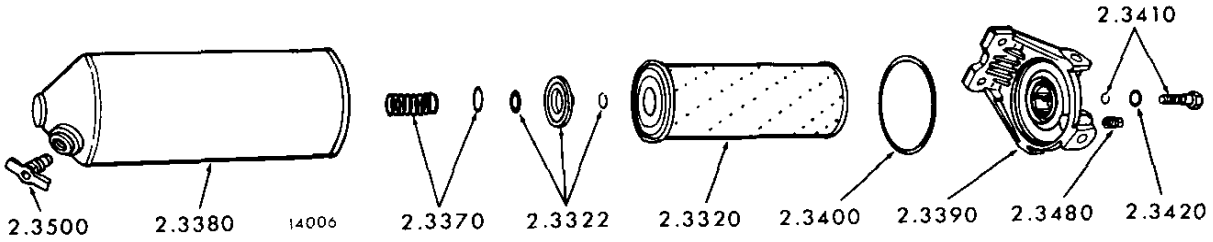


FIG. 3B FUEL FILTER (CANISTER TYPE ELEMENT)

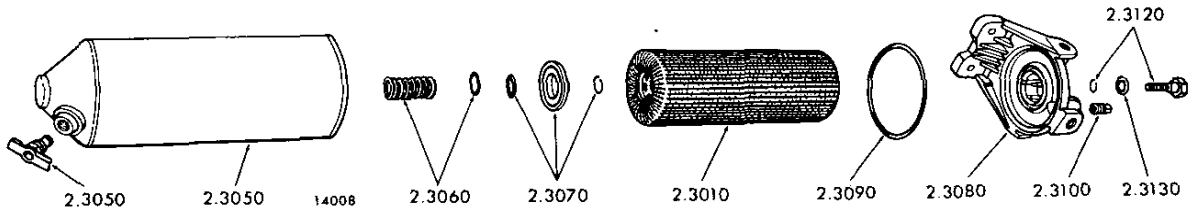


FIG. 3C FUEL STRAINER (STOCK TYPE ELEMENT)

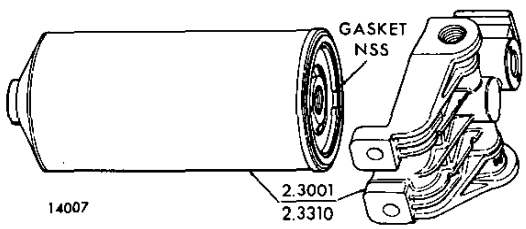


FIG. 3D FUEL STRAINER, FUEL FILTER (SPIN-ON)

Figs. 3A, 3B, 3C & 3D of 2.0000

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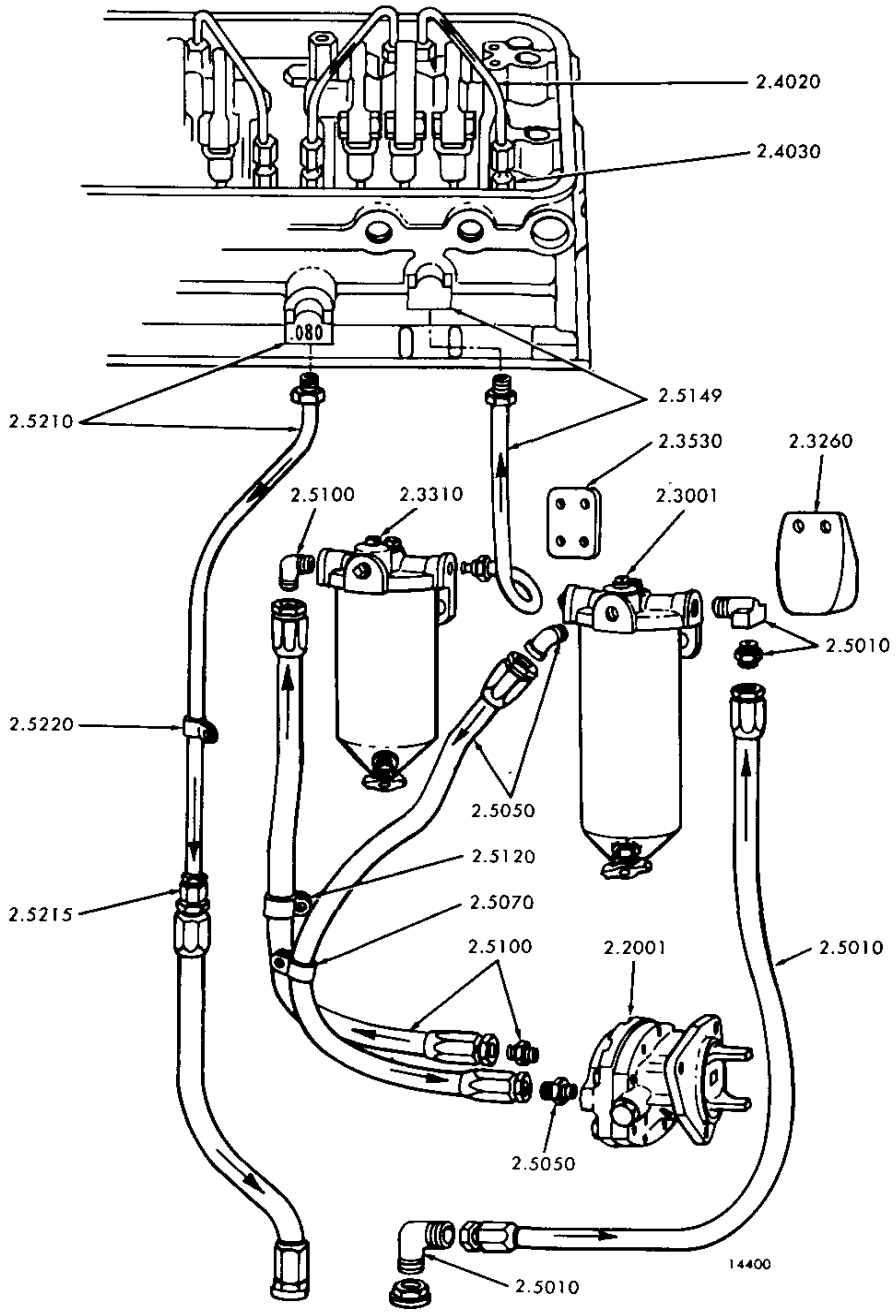


FIG. 4A TYPICAL FUEL SYSTEM (IN-LINE MODELS)

OCT., 1978 © 1978 General Motors Corp.

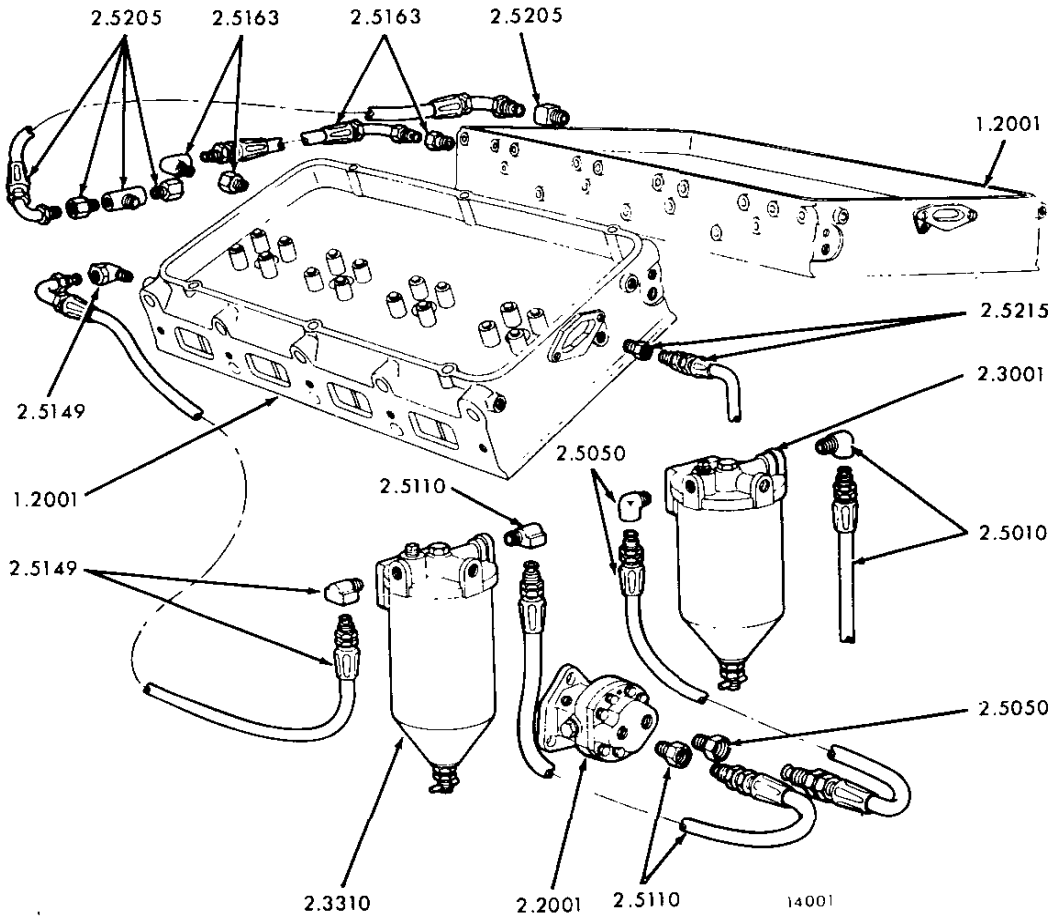


FIG. 4B TYPICAL FUEL SYSTEM (V-MODELS)

 © 1978 General Motors Corp.

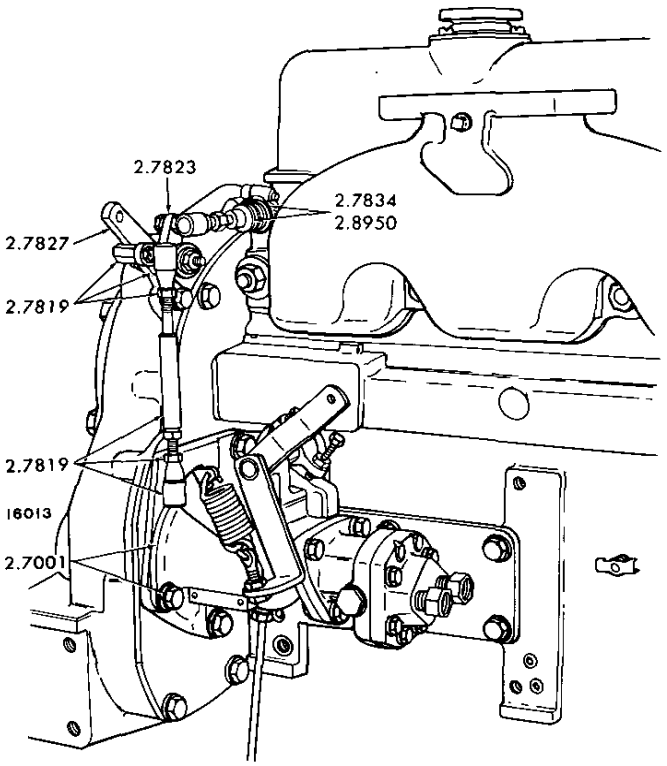


FIG. 5A GOVERNOR (PIERCE)

OCT., 1978 © 1978 General Motors Corp.

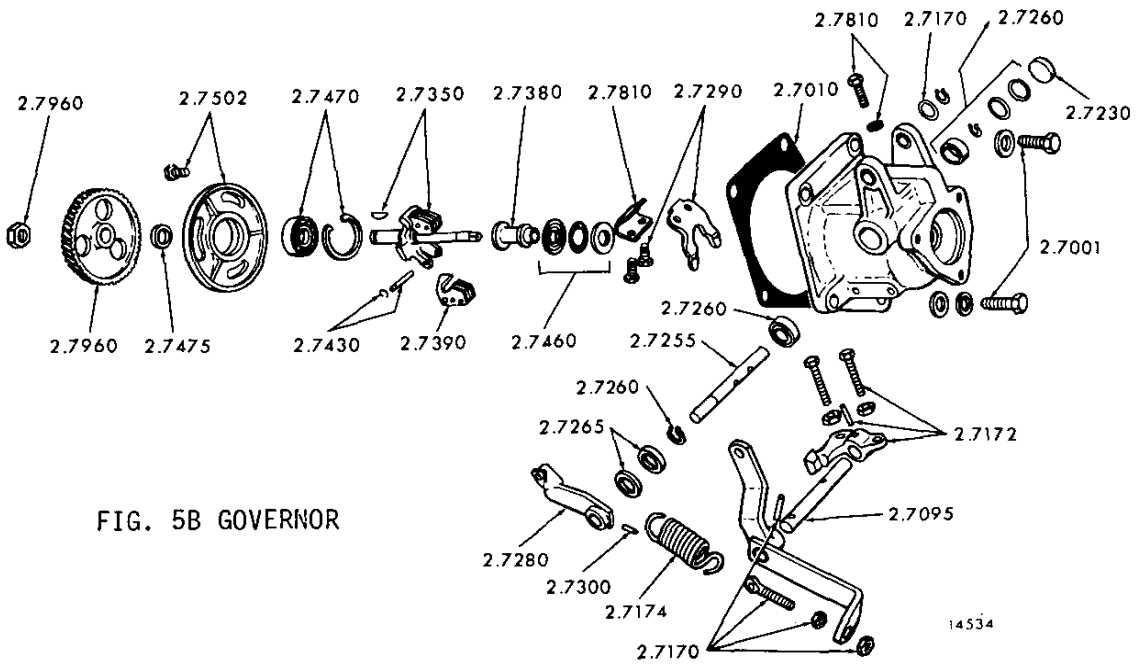


FIG. 5B GOVERNOR

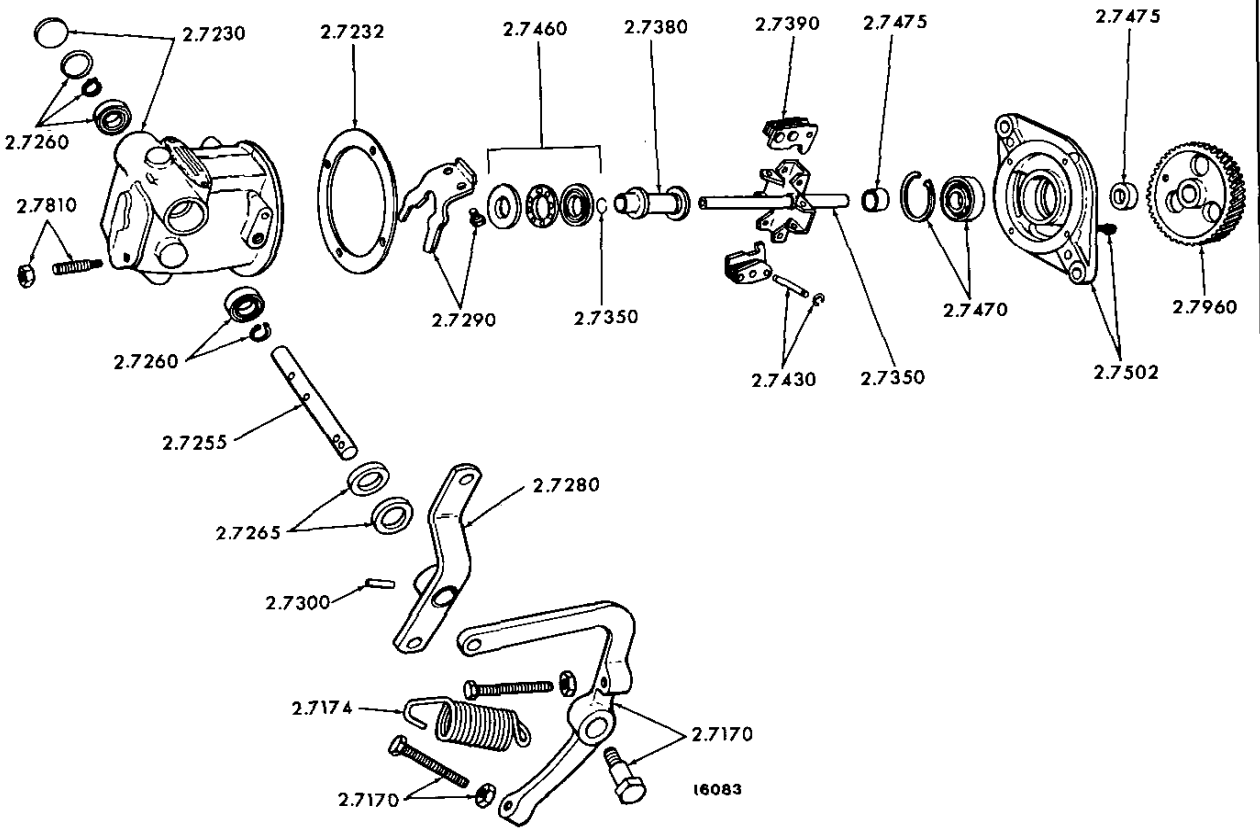


FIG. 5C GOVERNOR

Figs. 5B & 5C of 2.0000

 © 1978 General Motors Corp.

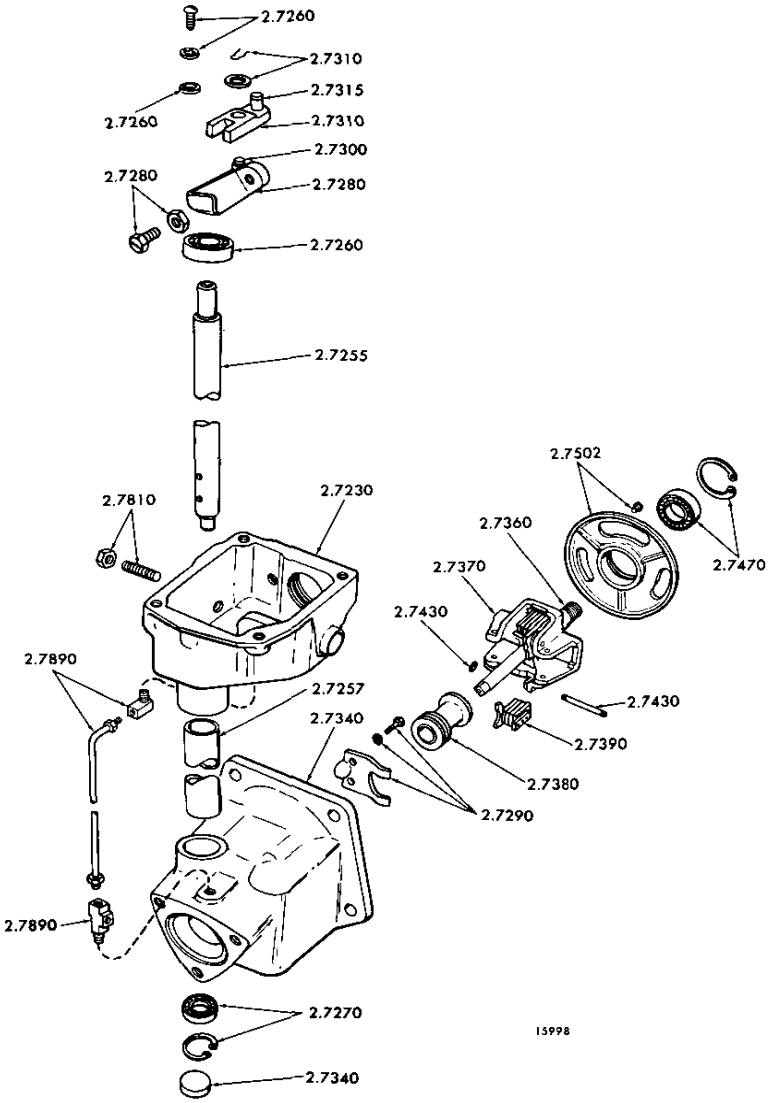


FIG. 5D - MECHANICAL GOVERNOR HOUSING WEIGHTS AND LEVER (3, 4 Cylinder Engine)

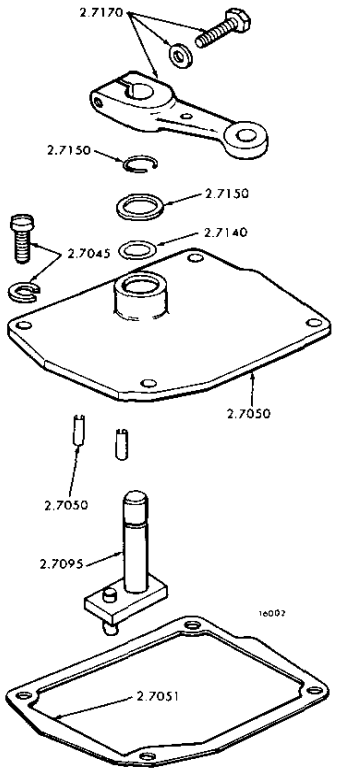


FIG. 5E - MECHANICAL GOVERNOR COVER (SINGLE LEVER)

Figs. 5D & 5E of 2.0000

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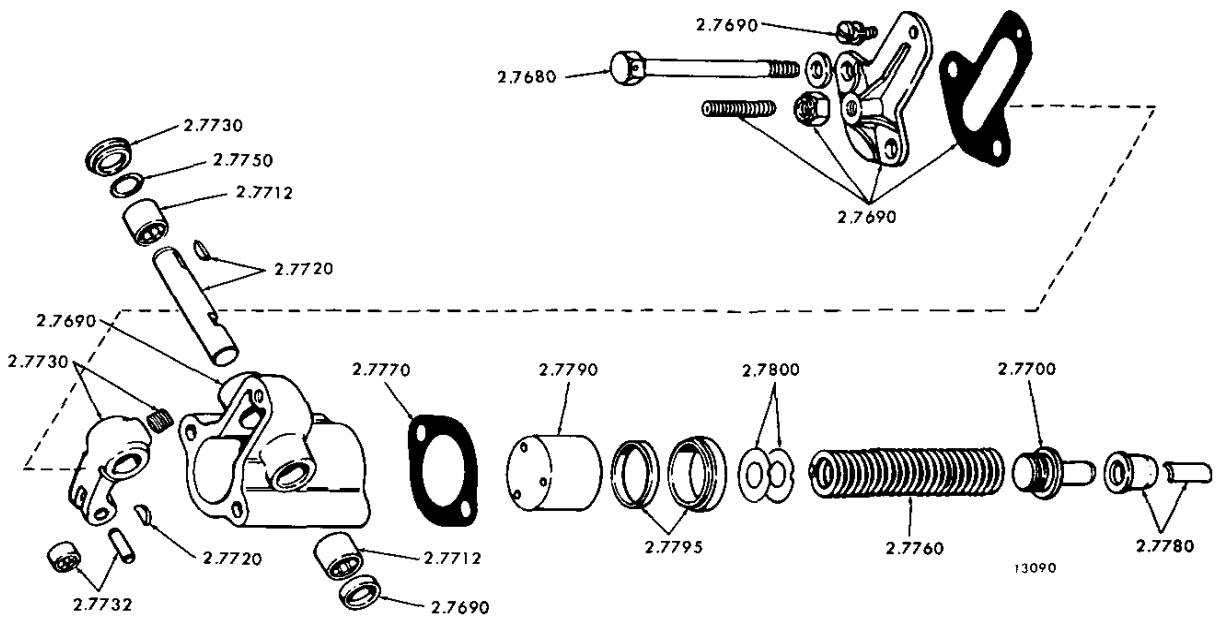


FIG. 5F VARIABLE SPEED GOVERNOR SPRING AND HOUSING

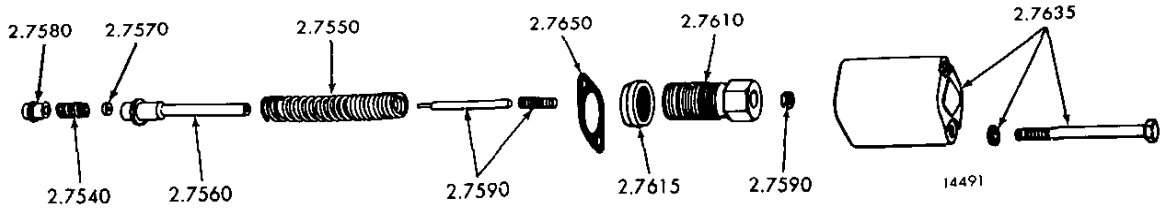


FIG. 5G LIMITING SPEED GOVERNOR SPRING AND HOUSING

Figs. 5F & 5G of 2.0000

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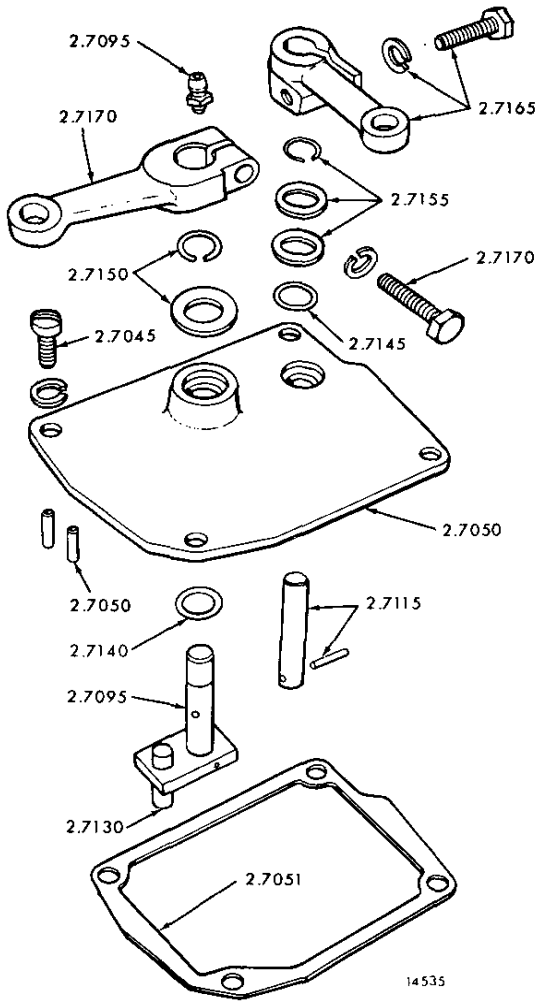


FIG. 5H MECHANICAL GOVERNOR COVER (DOUBLE LEVER)

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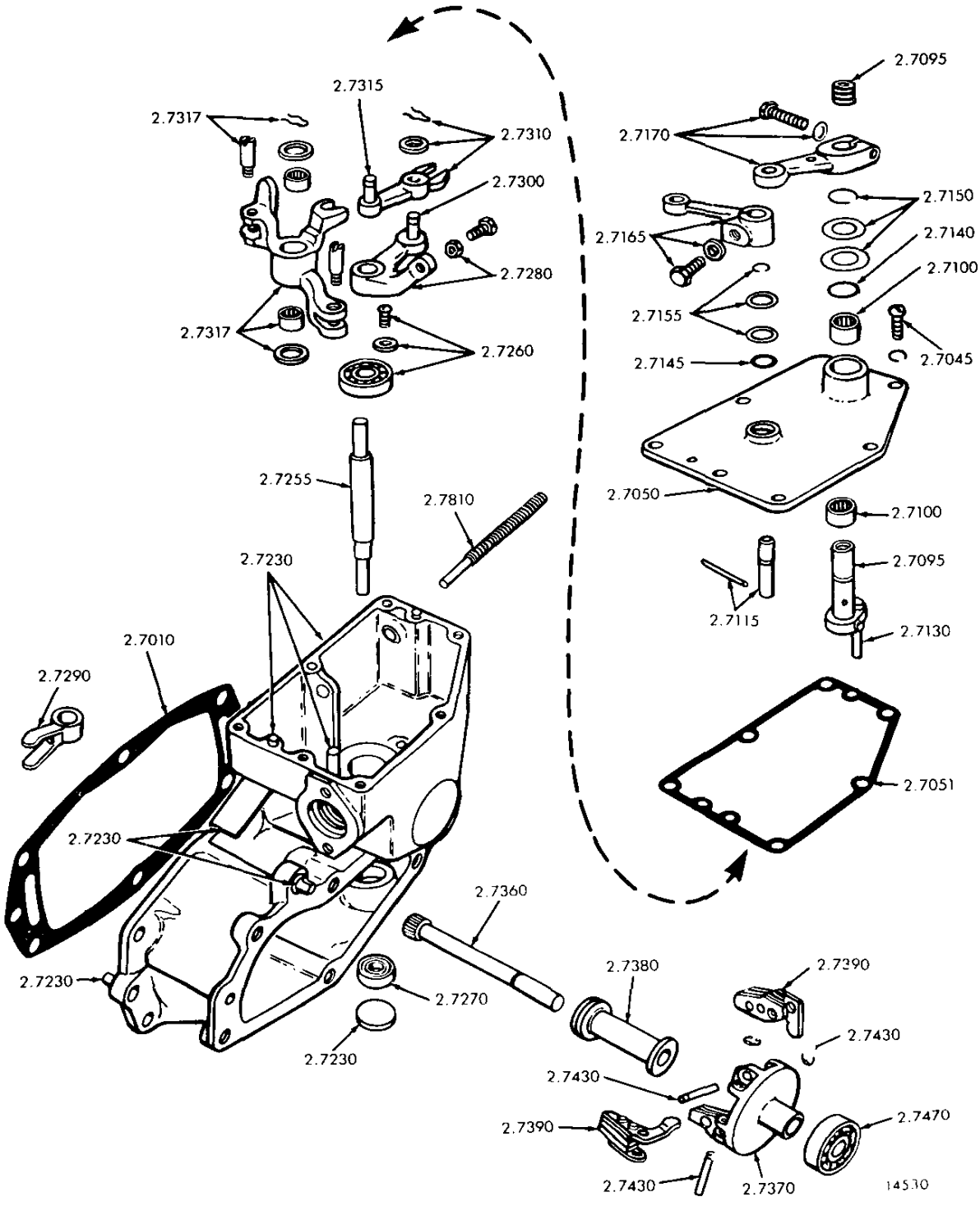


FIG. 5J MECHANICAL GOVERNOR (6V)

Fig. 5J of 2.0000

 © 1978 General Motors Corp.

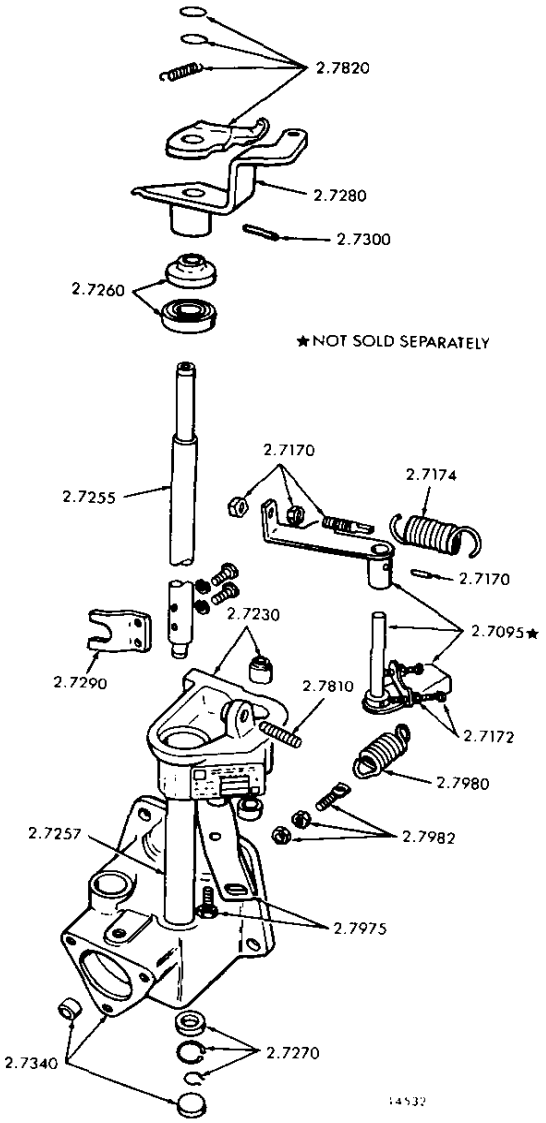


FIG. 5K MECHANICAL GOVERNOR
(Open Linkage)

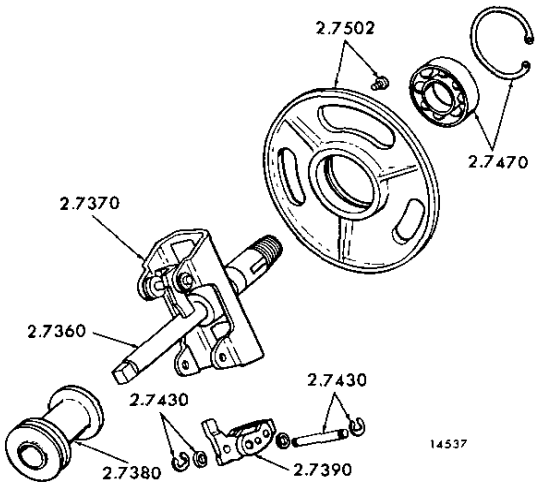


FIG. 5L GOVERNOR WEIGHT
SHAFT AND CARRIER

Figs. 5K & 5L of 2.0000

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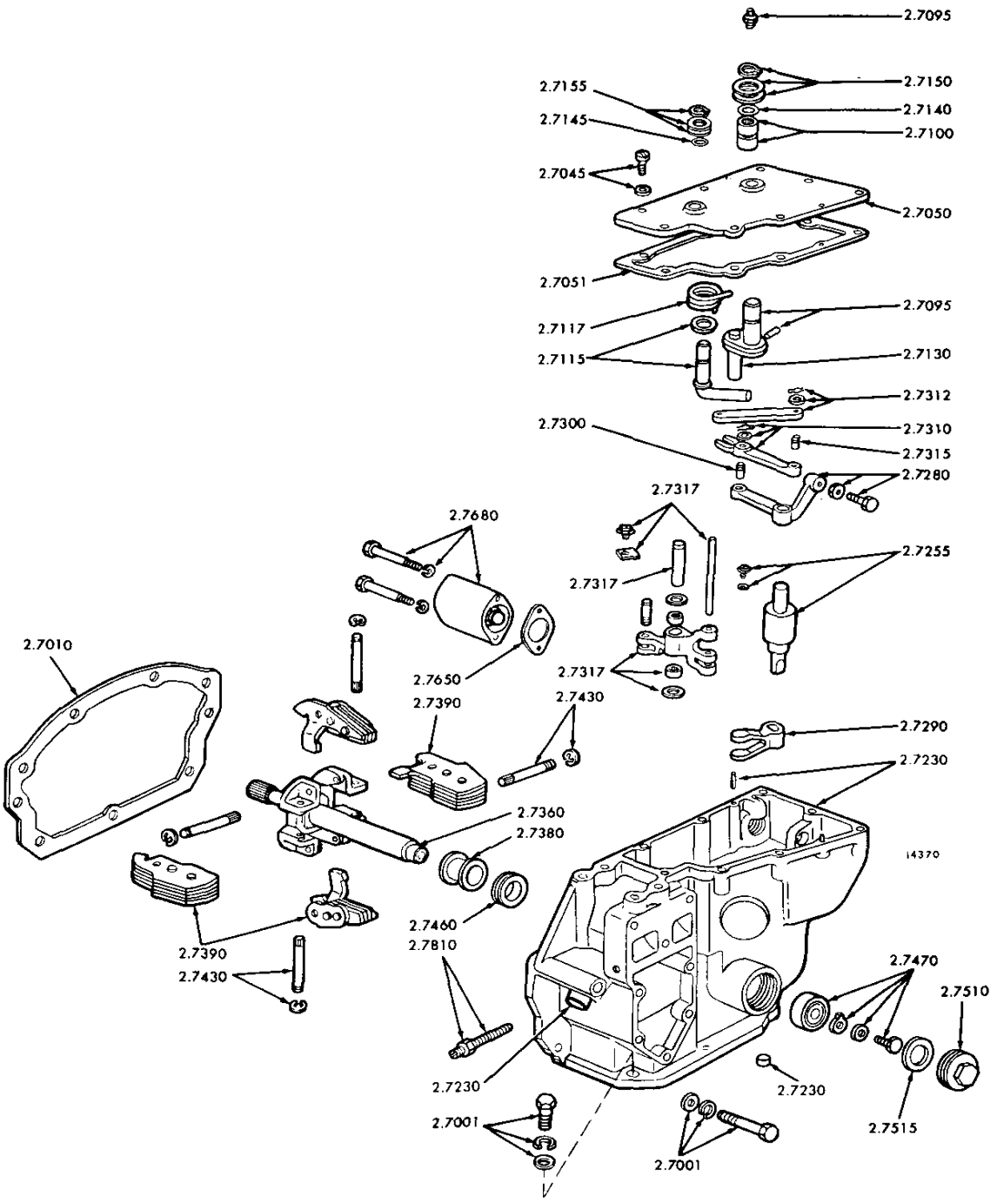


FIG. 5M MECHANICAL GOVERNOR (8V)

Fig. 5M of 2.0000

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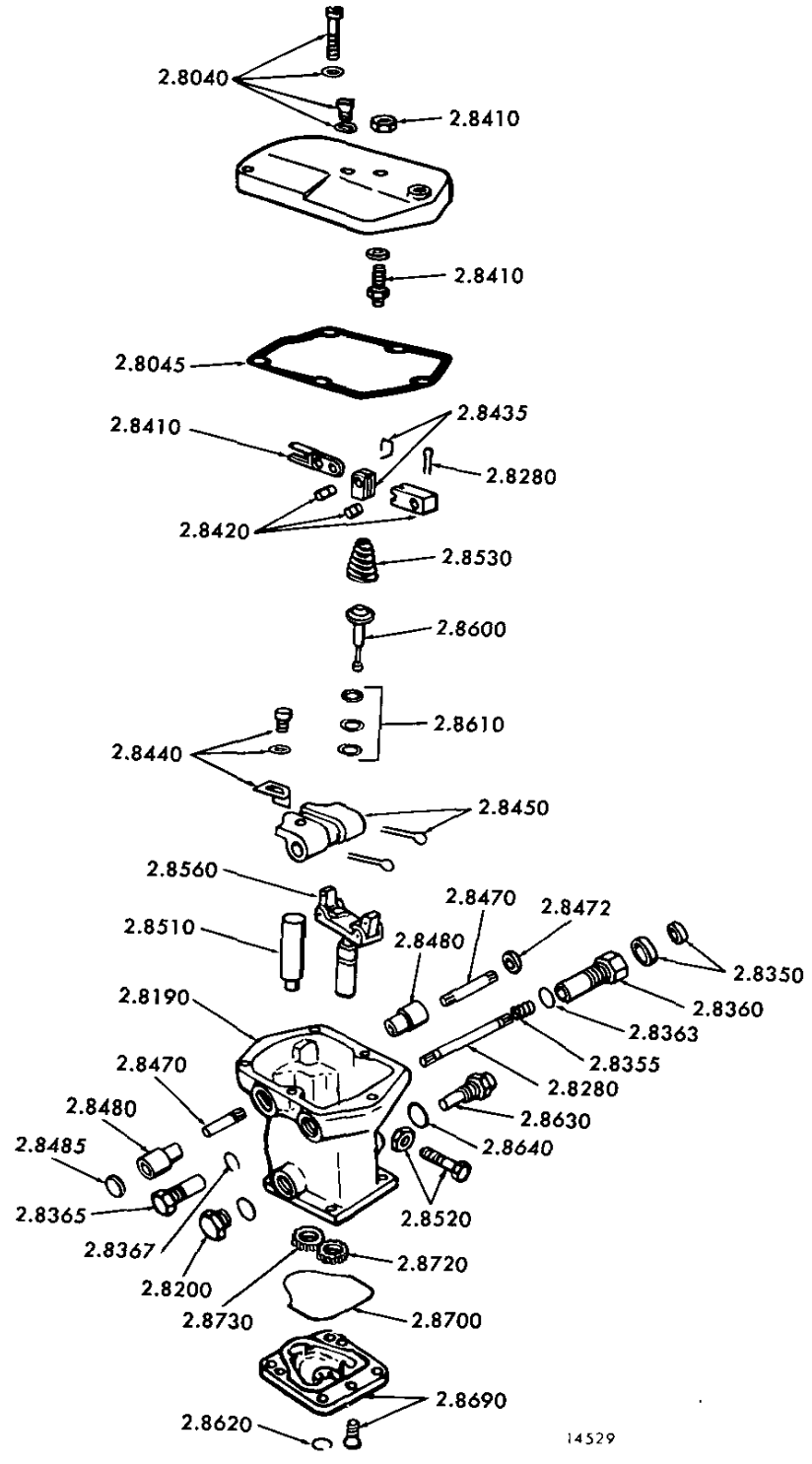


FIG. 6A HYDRAULIC GOVERNOR

 © 1978 General Motors Corp.

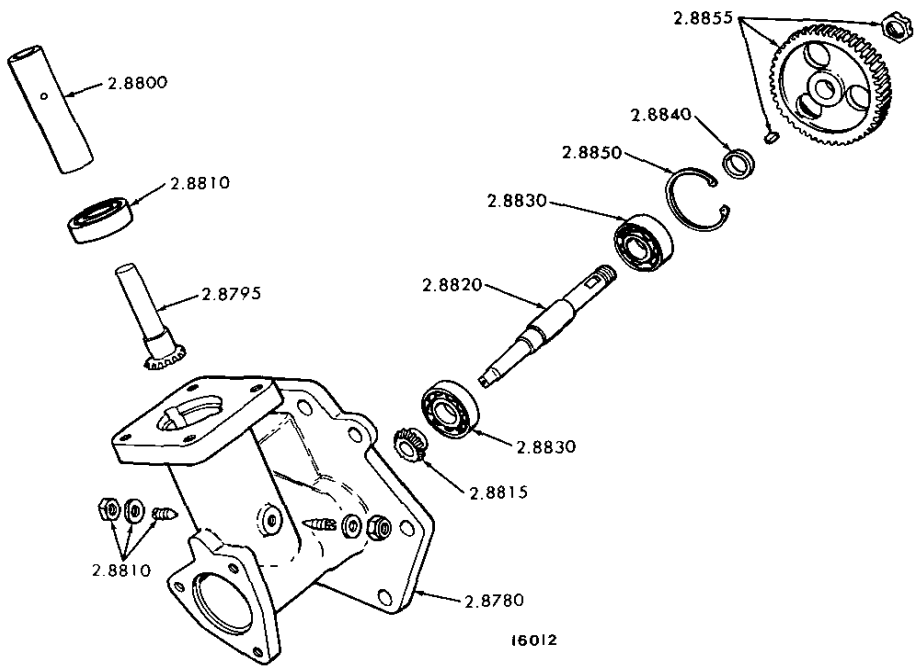
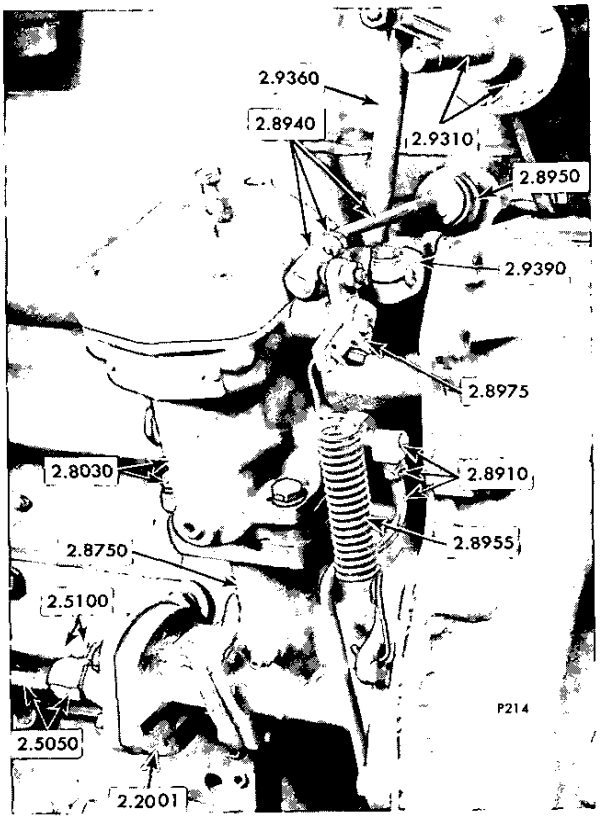
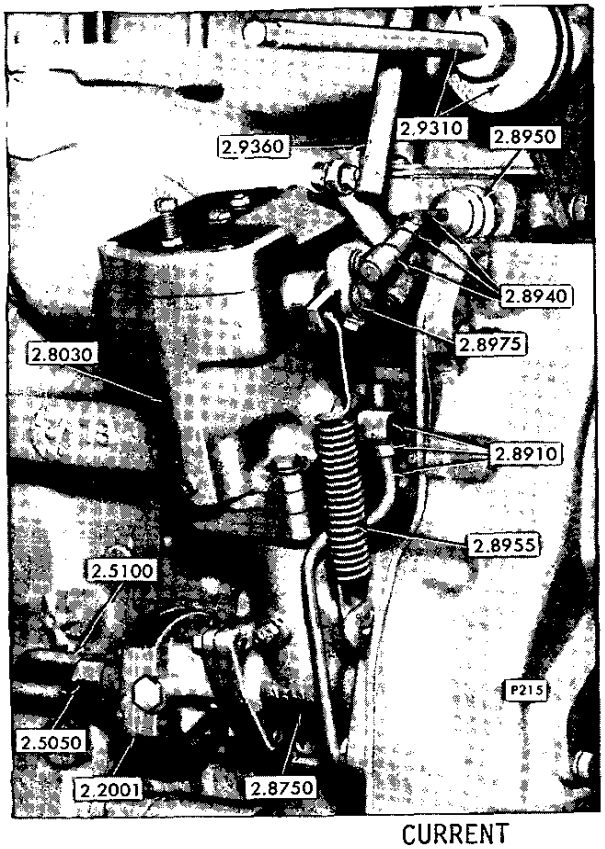


FIG. 6B HYDRAULIC GOVERNOR DRIVE



FORMER

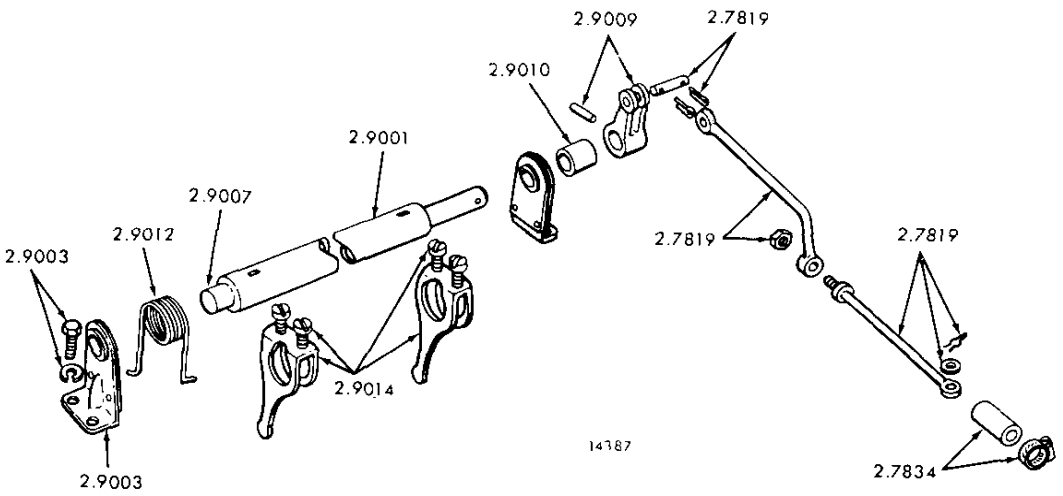


CURRENT

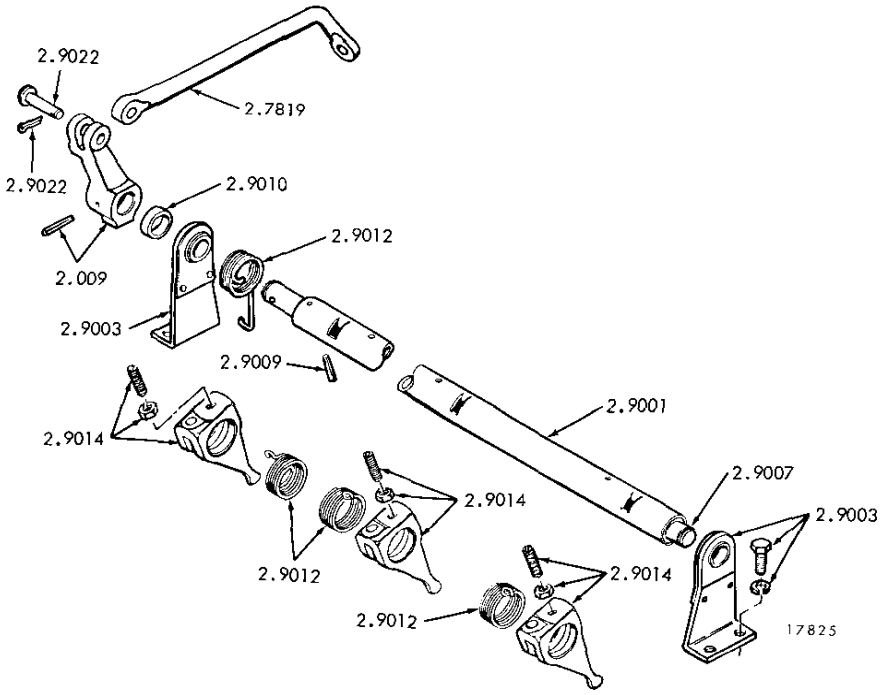
FIG. 6C HYDRAULIC GOVERNOR

Figs. 6B & 6C of 2.0000

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(NON-SPRING LOADED)



(SPRING LOADED)

FIG. 7A - INJECTOR CONTROL TUBES

Fig. 7A of 2.0000

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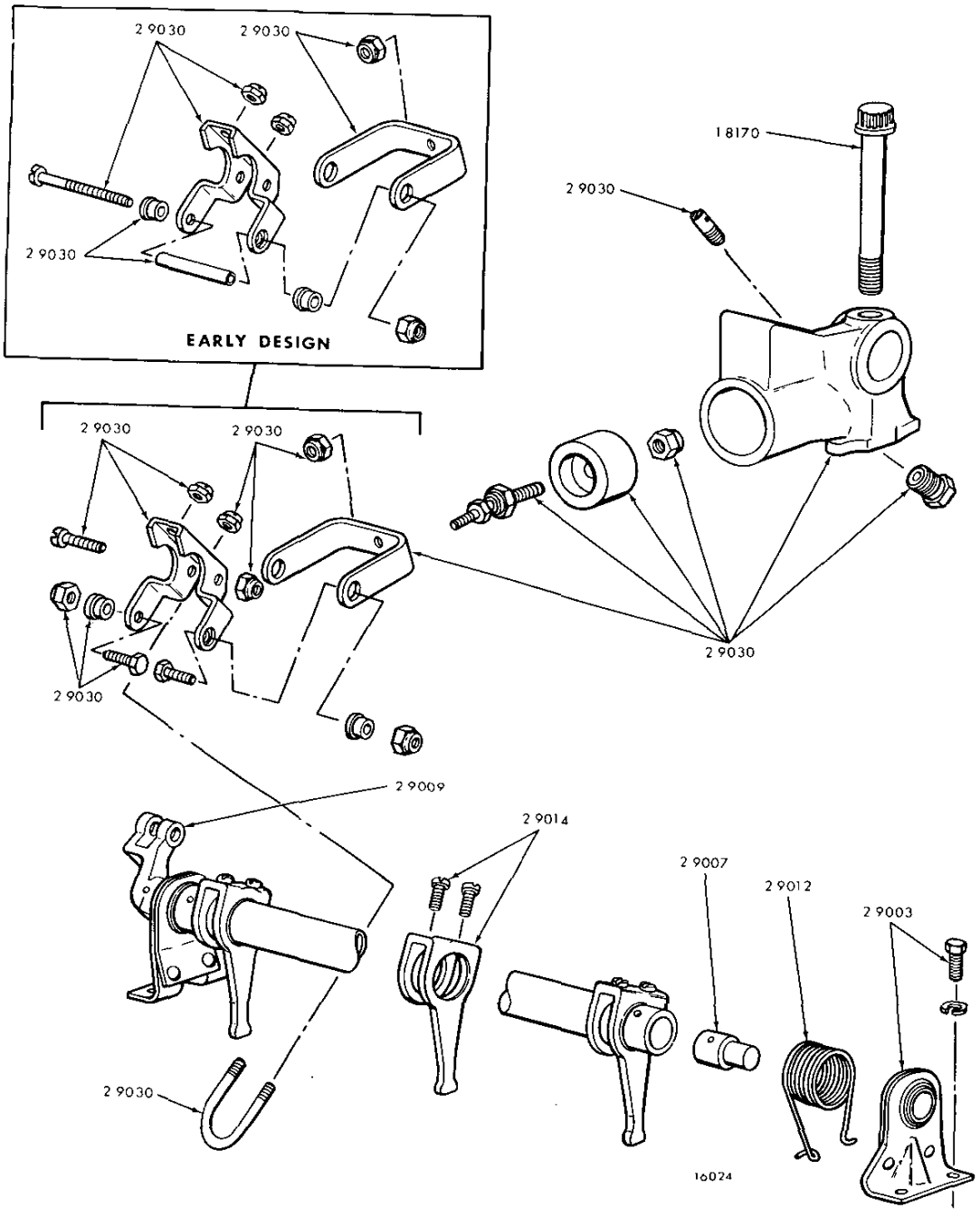


FIG. 7B INJECTOR CONTROL TUBE AND THROTTLE DELAY MECHANISM (8V)

JULY, 1981 ©1981 General Motors Corp.

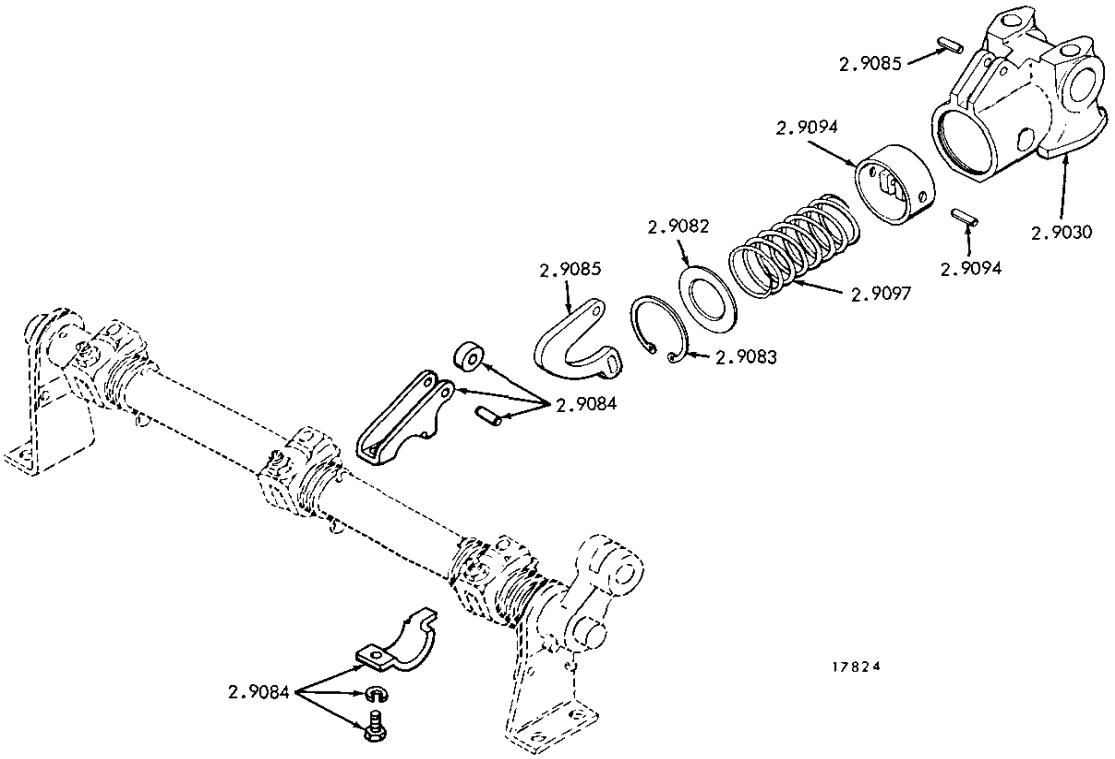


FIG. 7C - MODULATOR ASSEMBLY

JULY, 1981 ©1981 General Motors Corp.

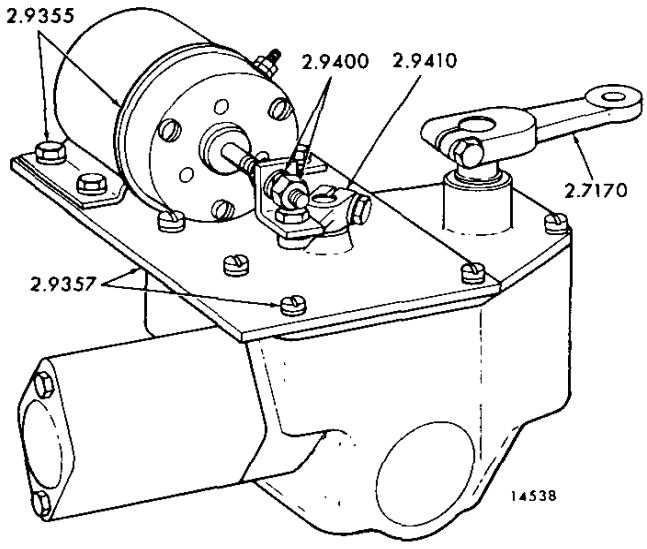


FIG. 7D THROTTLE CONTROLS (Limiting)

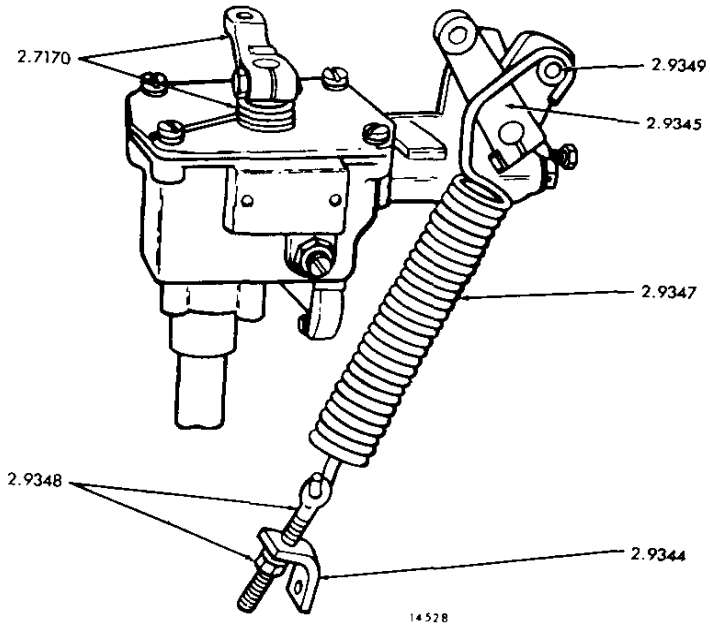


FIG. 7E THROTTLE CONTROLS (Variable)

Figs. 7D & 7E of 2.0000

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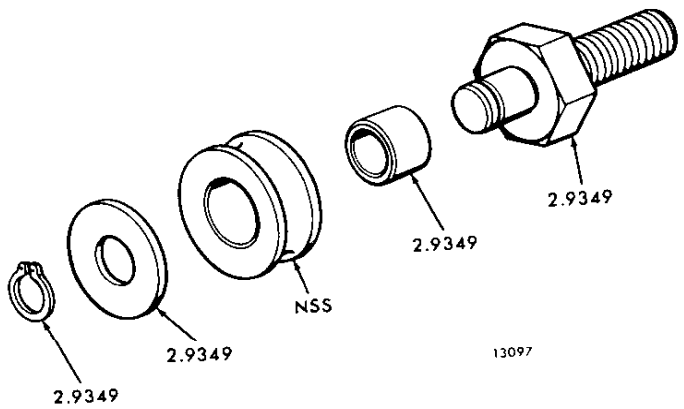


FIG. 7F HANGER ASSEMBLY, THROTTLE BOOSTER SPRING

JULY, 1981 ©1981 General Motors Corp.

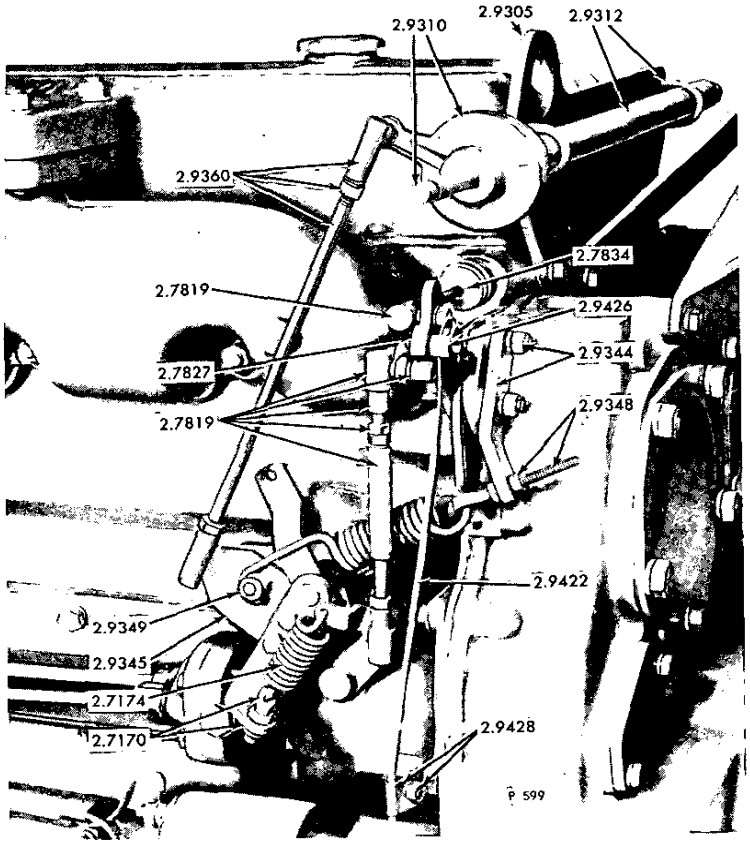


FIG. 8A THROTTLE CONTROL (PIERCE GOVERNOR)

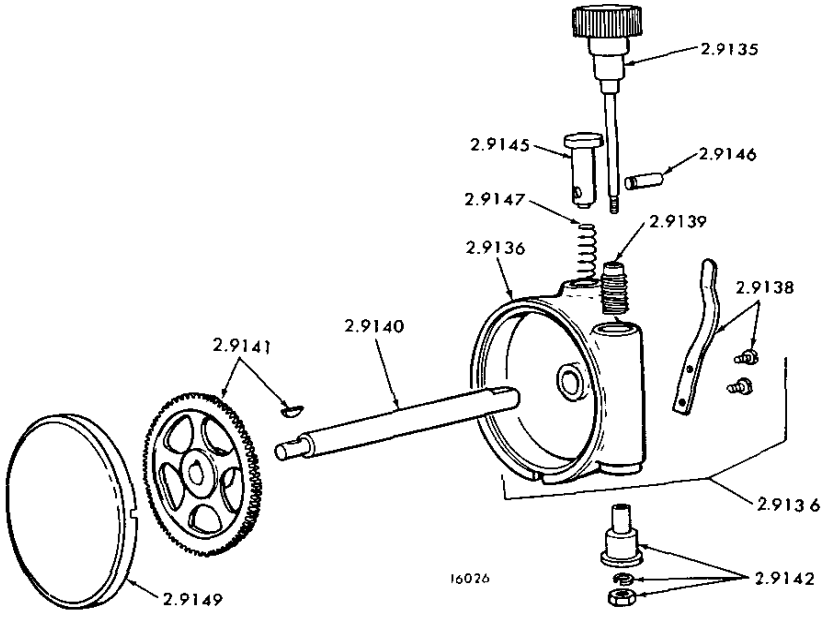


FIG. 8B VERNIER THROTTLE CONTROL

Figs. 8A & 8B of 2.0000

 © 1978 General Motors Corp.

2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	41	47	51	52	56	58	62	66	67	74	75
		2.1001 - INJECTOR ASSY.												
		FOR TYPE 57 USE TYPE 80. QUANTITIES SHOWN ARE PER CYLINDER. INCLUDES ITEMS IN 2.1020 THRU 2.1265												
1A	**5228510**	@ INJECTOR ASSY. (45) (USE TYPE 52)	1											
1A	**5228535**	+ INJECTOR ASSY. (35) (5229595)		1										
1A	**5228560**	+ INJECTOR ASSY. (40) (5228763)			1									
1A	**5228590**	+ INJECTOR ASSY. (S40) (5228763)				1								
1A	**5228580**	+ INJECTOR ASSY. (S45) (5228773)					1							
1A	**5228550**	+ INJECTOR ASSY. (S50) (5228783)						1						
1B	**5228695**	@ INJECTOR ASSY. (L40) (USE TYPE 86)							1					
1B	**5228645**	@ INJECTOR ASSY. (N45) (USE TYPE 76)								1				
1B	**5228650**	@ INJECTOR ASSY. (N50) (USE TYPE 74)									1			
1B	**5228660**	@ INJECTOR ASSY. (N40) (USE TYPE 75)										1		
1B	**5228783**	* INJECTOR ASSY. (N50)											1	
1B	**5228763**	* INJECTOR ASSY. (N40)												1
		@ NOT SERVICED AS AN ASSY.; COMPONENTS AVAILABLE, FOR COMPLETE REPLACEMENT USE TYPE SHOWN.												
		* THESE INJECTORS HAVE FILTER ELEMENT AT FUEL INLET SIDE ONLY.												
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES AND CHANGE OUT ALL CYLINDERS.												
		2.1002 - SERVICE KIT, INJECTOR												
		OVERHAUL KIT CONSISTS OF ONE (1) SEAL RING, TWO (2) FILTER CAP GASKETS, TWO (2) FILTER ELEMENTS AND TWO (2) SHIPPING CAPS.												
	5229649	OVERHAUL KIT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1010 - CONTAINER, INJECTOR SHIPPING												
1A	**5149669**	CONTAINER (12.8050)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1020 - BODY ASSY., INJECTOR												
		A BODY ASSY. INCLUDES DOWEL AND PLUG IN 2.1020.												
1A	**5228509**	BODY ASSY.	1	1	1	1	1	1						
1B	**5228583**	BODY ASSY.							1	1	1	1	1	1
1A	**5226416**	DOWEL	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	41	47	51	52	56	58	62	66	67	74	75
		2.1020 - BODY ASSY., INJECTOR (CONT'D)												
	5226912	PLUG, BODY	2	2	2	2	2	2	2	2	2	2	2	2
1A	**5229191**	TAG, NUMBER (BLANK & UNPAINTED)	1		1				1					
1A	**5228536**	TAG, NUMBER (35)		1										
1A	**5228558**	TAG, NUMBER (S40)				1								
1A	**5228557**	TAG, NUMBER (S45)					1							
1A	**5228559**	TAG, NUMBER (S50)						1						
1B	**5228764**	TAG, NUMBER (N45)								1				
1B	**5228772**	TAG, NUMBER (N50)									1		1	
1B	**5228762**	TAG, NUMBER (N40)										1		1
		2.1030 - NUT, INJECTOR VALVE												
1B	**5228601**	NUT							1	1	1	1	1	1
1A	**5228102**	NUT	1	1	1	1	1	1						
		2.1040 - RING, INJECTOR SEAL												
1A	**5229167**	RING	1	1	1	1	1	1	1	1	1	1	1	1
		2.1050 - DEFLECTOR, INJECTOR SPILL												
1A	**5228109**	DEFLECTOR	1	1	1	1	1	1	1	1	1	1	1	1
		2.1060 - FOLLOWER, INJECTOR												
1A	**5228104**	FOLLOWER	1	1	1	1	1	1	1	1	1	1	1	1
		2.1080 - SPRING, INJECTOR PLUNGER												
1A	**5228739**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1
		2.1100 - PIN, INJECTOR STOP												
1B	**5228608**	PIN	1	1	1	1	1	1	1	1	1	1	1	1
		2.1110 - ELEMENT, INJECTOR FILTER												
1A	**5228013**	# ELEMENT	2	2	2	2	2	2						
1B	**5228587**	ELEMENT							2	2	2	2	1	1

NOT SERVICED, USE FILTER KIT IN 2.1132.

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	41	47	51	52	56	58	62	66	67	74	75
		2.1120 - SPRING, INJECTOR FILTER												
1A	5226415	SPRING	2	2	2	2	2	2						
		2.1130 - CAP, INJECTOR FILTER												
1A	5226413	# CAP	2	2	2	2	2	2						
1B	5228588	CAP							2	2	2	2	2	2
		# NOT SERVICED, USE FILTER KIT IN 2.1132.												
		2.1132 - FILTER KIT, CONVERSION												
		CONSISTS OF (1) 5228588 INJECTOR FILTER CAP, (1) 5228587 FILTER, (1) 5226186 FILTER CAP GASKET.												
	5228882	FILTER KIT	AR	AR	AR	AR	AR	AR						
		2.1140 - GASKET, INJECTOR FILTER CAP												
1A	5226186	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
		2.1150 - CAP, INJECTOR SHIPPING												
1B	5226414	CAP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1160 - PLUNGER AND BUSHING ASSY., INJECTOR												
		PLUNGERS AND BUSHINGS ARE NOT SOLD SEPARATELY. AN ASSY. INCLUDES PIN IN 2.1165.												
1A	5228495	PLUNGER AND BUSHING ASSY. (45)	1				1							
1A	5228530	PLUNGER AND BUSHING ASSY. (35)		1										
1A	5228552	PLUNGER AND BUSHING ASSY. (40)			1	1								
1A	5228126	PLUNGER AND BUSHING ASSY. (50)						1						
1B	5228679	PLUNGER AND BUSHING ASSY. (L40)							1					
1B	5228684	PLUNGER AND BUSHING ASSY. (N45)								1				
1B	5228749	PLUNGER AND BUSHING ASSY. (N50)(M60)									1		1	

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	41	47	51	52	56	58	62	66	67	74	75
	2.1160	**- PLUNGER AND BUSHING ASSY., INJECTOR (CONT'D)**												
1B	**5228691**	PLUNGER AND BUSHING ASSY. (N40)										1		1
	2.1165	**- PIN, BUSHING GUIDE**												
	5226393	PIN	1	1	1	1	1	1	1	1	1	1	1	1
	2.1170	**- RACK, INJECTOR**												
1A	**5226719**	RACK	1	1	1	1	1	1	1	1	1	1	1	1
	2.1180	**- GEAR, INJECTOR**												
1A	**5226400**	GEAR	1	1	1	1	1	1	1	1	1	1	1	1
	2.1190	**- RETAINER, INJECTOR GEAR**												
1A	**5226567**	RETAINER	1	1	1	1	1	1						
1B	**5228586**	RETAINER							1	1	1	1	1	1
	2.1200	**- VALVE, INJECTOR CHECK**												
1A	**5226411**	VALVE	1	1	1	1	1	1						
1B	**5228663**	* VALVE							1	1	1	1		
1B	**5228694**	VALVE											1	1
		* NOT SERVICED, REPLACE WITH 1-5228694 VALVE AND 1-5228696 CAGE.												
	2.1205	**- CAGE, INJECTOR CHECK VALVE**												
1B	**5228664**	* CAGE							1	1	1	1		
1B	**5228696**	CAGE											1	1
		* NOT SERVICED, REPLACE WITH 1-5228694 VALVE AND 1-5228696 CAGE.												
	2.1220	**- TIP KIT, INJECTOR SPRAY**												
		A TIP KIT INCLUDES ITEMS IN 2.1230 THRU 2.1260.												
	5228491	TIP KIT				AR	AR	AR						

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	41	47	51	52	56	58	62	66	67	74	75
		2.1230 - TIP, INJECTOR SPRAY												
1A	5228436	TIP	1	1	1									
1A	5228473	TIP				1	1	1						
		2.1235 - TIP ASSY., INJECTOR SPRAY												
		COMPONENTS OF TIP ASSY. ARE NOT SOLD SEPARATELY.												
1B	5228591	@ TIP ASSY.							1	1	1	1		
1B	5229034	TIP ASSY. (M65, N40, N45, N50)											1	1
		@ NOT SERVICED, USE 5229034 OR 5228768 TIP ASSY. AND INCLUDE 5228766 SEAT.												
		2.1238 - VALVE KIT, INJECTOR												
		INCLUDES ITEMS IN 2.1250 AND 2.1255.												
	5228313	VALVE KIT (INCLUDES ITEMS IN 2.1240)	AR	AR	AR	AR	AR	AR						
	5228711	+ VALVE KIT							AR					
	5228706	+ VALVE KIT (LONG QUILL NEEDLE)								AR	AR	AR		
	5228769	VALVE KIT (SHORT QUILL NEEDLE)											AR	AR
		+ *OBSOLETE.*												
		2.1240 - VALVE ASSY., INJECTOR												
		INCLUDES ITEMS IN 2.1245 AND 2.1247.												
1A	5228316	VALVE ASSY.	1	1	1	1	1	1						
		2.1245 - VALVE, INJECTOR												
1A	5228308	VALVE	1	1	1	1	1	1						
		2.1247 - SEAT, INJECTOR VALVE												
1A	5228106	SEAT	1	1	1	1	1	1						
		2.1250 - SPRING, INJECTOR VALVE												
1A	5227210	SPRING	1	1	1	1	1	1						
1B	5228676	SPRING							1					
1B	5228596	SPRING								1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 40	41	47	51	52	56	58	62	66	67	74	75
		2.1255 - SEAT, INJECTOR VALVE SPRING												
1B	5228597	% SEAT							1	1	1	1		
1B	5228766	SEAT											1	1
		% OBSOLETE.												
		2.1257 - CAGE, INJECTOR VALVE SPRING												
1B	5228594	CAGE							1	1	1	1	1	1
		2.1260 - STOP, INJECTOR VALVE												
1A	5227318	STOP	1	1	1	1	1	1						
		2.1265 - CAGE, INJECTOR VALVE												
1A	5228294	CAGE	1	1	1	1	1	1						
		2.1270 - CLAMP, INJECTOR												
1A	5121259	CLAMP	1	1	1	1	1	1	1	1	1	1	1	1
1A	5150250	WASHER	1	1	1	1	1	1	1	1	1	1	1	1
1A	179847	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 76	80	81	84	86	87	88	89	93	94	97	102	134	138
		2.1001 - INJECTOR ASSY.														
		• FOR TYPE 104 USE TYPE 93▪. • FOR TYPE 140 USE TYPE 161▪. QUANTITIES SHOWN ARE PER CYLINDER. INCLUDES ITEMS IN 2.1020 THRU 2.1265.														
1B	**5228773**	* INJECTOR ASSY. (N45)	1													
1B	**5228770**	INJECTOR ASSY. (N70)		1					1							
1B	**5228777**	INJECTOR ASSY. (N75)			1											
1B	**5228783**	* @ INJECTOR ASSY. (M50) (USE TYPE 74)				1										
1B	**5228793**	% * INJECTOR ASSY. (L40)					1									
1B	**5228814**	+ * INJECTOR ASSY. (M65)						1				1				
1B	**5228824**	* # INJECTOR ASSY. (M60)								1						
1B	**5228834**	* INJECTOR ASSY. (M55)									1					
1B	**5229185**	+ * INJECTOR ASSY. (M70)												1		
1B	**5229610**	+ INJECTOR ASSY. (M40)													1	
1B	**5229595**	+ INJECTOR ASSY. (N35)														1
1B	**5228900**	= INJECTOR ASSY. (N65)											1			
		* THESE INJECTORS HAVE FILTER ELEMENT AT FUEL INLET SIDE ONLY. % NOT SERVICED, USE 5228763 INJECTOR (N40) AND CHANGE OUT ALL CYLINDERS. + NOT SERVICED. FOR SERVICE, USE COMPONENTS. = NOT SERVICED, USE 5226440 INJECTOR (7N65) AND CHANGE OUT ALL CYLINDERS. @ NOT SERVICED AS AN ASSY. COMPONENTS AVAILABLE, FOR COMPLETE REPLACEMENT USE TYPE SHOWN. # NOT SERVICED AS AN ASSY. USE COMPONENTS.															
		2.1002 - SERVICE KIT, INJECTOR														
		OVERHAUL KIT CONSISTS OF ONE (1) SEAL RING, TWO (2) FILTER CAP GASKETS, TWO (2) FILTER ELEMENTS AND TWO (2) SHIPPING CAPS.														
	5229649	OVERHAUL KIT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1010 - CONTAINER, INJECTOR SHIPPING														
1A	**5149669**	CONTAINER (12.8050)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1020 - BODY ASSY., INJECTOR														
		A BODY ASSY. INCLUDES DOWEL AND PLUG IN 2.1020.														
1B	**5228583**	BODY ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1A	**5226416**	DOWEL	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5226912	PLUG, BODY	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 76	80	81	84	86	87	88	89	93	94	97	102	134	138
		2.1020 - BODY ASSY., INJECTOR (CONT'D)														
1A	**5229191**	TAG, NUMBER (BLANK & UNPAINTED)				1	1	1		1	1	1				
1B	**5228764**	TAG, NUMBER (N45)	1													
1B	**5228782**	TAG, NUMBER (M70)		1					1							1
1B	**5229600**	TAG, NUMBER (N35)			1								1			
1B	**5228848**	TAG, NUMBER (N65)														
1B	**5228786**	TAG, NUMBER (N75)														
		2.1030 - NUT, INJECTOR VALVE														
1B	**5228601**	NUT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1040 - RING, INJECTOR SEAL														
1A	**5229167**	RING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1050 - DEFLECTOR, INJECTOR SPILL														
1A	**5228109**	DEFLECTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1060 - FOLLOWER, INJECTOR														
1A	**5228104**	FOLLOWER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1080 - SPRING, INJECTOR PLUNGER														
1A	**5228739**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1100 - PIN, INJECTOR STOP														
1B	**5228608**	PIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1110 - ELEMENT, INJECTOR FILTER														
1B	**5228587**	ELEMENT	1	2	1	1	1	1	2	1	1	1	1	1	1	1
		2.1130 - CAP, INJECTOR FILTER														
1B	**5228588**	CAP	2	2	2	2	2	2	2	2	2	2	2	2	2	2

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 76	80	81	84	86	87	88	89	93	94	97	102	134	138
		2.1140 - GASKET, INJECTOR FILTER CAP														
1A	**5226186**	GASKET	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.1150 - CAP, INJECTOR SHIPPING														
1B	**5226414**	CAP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1160 - PLUNGER AND BUSHING ASSY., INJECTOR														
		PLUNGERS AND BUSHINGS ARE NOT SOLD SEPARATELY. AN ASSY. INCLUDES PIN IN 2.1165.														
1B	**5228679**	PLUNGER AND BUSHING ASSY. (L40)					1									
1B	**5228684**	PLUNGER AND BUSHING ASSY. (N45)	1													
1B	**5228749**	PLUNGER AND BUSHING ASSY. (N50) (M60) (5A55)				1				1						
1B	**5229632**	PLUNGER AND BUSHING ASSY. (N70) (M70)		1					1					1		
1B	**5228661**	PLUNGER AND BUSHING ASSY. (M65)						1				1				
1B	**5228841**	PLUNGER AND BUSHING ASSY. (M55)									1					
	5229608	PLUNGER AND BUSHING ASSY. (M40)													1	
	5229598	PLUNGER AND BUSHING ASSY. (N35)														1
	5228928	PLUNGER AND BUSHING ASSY. (N65)											1			
	5228658	PLUNGER AND BUSHING ASSY. (N75)			1											
		2.1165 - PIN, BUSHING GUIDE														
	5226393	PIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1170 - RACK ASSY., INJECTOR														
1A	**5226719**	RACK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1180 - GEAR, INJECTOR														
1A	**5226400**	GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1190 - RETAINER, INJECTOR GEAR														
1B	**5228586**	RETAINER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1200 - VALVE, INJECTOR CHECK														
1B	**5228694**	VALVE	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 76	80	81	84	86	87	88	89	93	94	97	102	134	138
		2.1205 - CAGE, INJECTOR CHECK VALVE														
1B	**5228696**	CAGE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1235 - TIP ASSY., INJECTOR SPRAY														
		COMPONENTS OF TIP ASSY. ARE NOT SOLD SEPARATELY.														
1B	**5229034**	TIP ASSY. (M60, M65, M70, N40, N45, N50, N35, M40, M55)	1			1		1			1	1			1	1
1B	**5229192**	TIP ASSY. (N70, N75)		1	1		1		1							
1B	**5229026**	TIP ASSY. (L40)								1				1		
1B	**5229192**	TIP ASSY. (M60, M70)			1								1			
1B	**5229030**	TIP ASSY. (5A55, N65)														
		2.1238 - VALVE KIT, INJECTOR														
		INCLUDES ITEMS IN 2.1250 AND 2.1255.														
	5228769	VALVE KIT (SHORT QUILL NEEDLE)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
	5228690	VALVE KIT					AR									
		2.1250 - SPRING, INJECTOR VALVE														
1B	**5228676**	SPRING					1									
1B	**5228596**	SPRING	1	1	1	1		1	1	1	1	1	1	1	1	1
		2.1255 - SEAT, INJECTOR VALVE SPRING														
1B	**5228766**	SEAT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1257 - CAGE, INJECTOR VALVE SPRING														
1B	**5228594**	CAGE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1270 - CLAMP, INJECTOR														
1A	**5121259**	CLAMP	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1A	**5150250**	WASHER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1A	**179847**	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 157	160	161	162	170	179	191	213	226	227	228	229	230	231
		2.1001 - INJECTOR ASSY.														
		QUANTITIES SHOWN ARE PER CYLINDER. INCLUDES ITEMS IN 2.1020 THRU 2.1265.														
1B	5228834	* INJECTOR ASSY. (M55)				1										
1B	5229666	INJECTOR ASSY. (5A60)			1											
1B	5226440	INJECTOR ASSY. (N65)		1												
1B	5229825	% INJECTOR ASSY. (5N65)					1									
1B	5228763	* INJECTOR ASSY. (N40)						1								
1B	5226075	+ INJECTOR ASSY. (5N45)								1						
	5226235	INJECTOR ASSY. (5E60)									1					
	5226245	INJECTOR ASSY. (5E55)										1				
	5226280	INJECTOR ASSY. (5E50)											1			
	5226240	INJECTOR ASSY. (5C55)												1		
	5226250	INJECTOR ASSY. (5C50)													1	
	5226230	INJECTOR ASSY. (5C60)														1
	5229920	INJECTOR ASSY. (5A50)							1							
	5229676	INJECTOR ASSY. (5A55)	1													
		* THESE INJECTORS HAVE FILTER ELEMENT AT FUEL INLET SIDE ONLY.														
		+ NOT SERVICED. USE 5228773 INJECTOR (N45) AND CHANGE OUT ALL CYLINDERS.														
		% NOT SERVICED, FOR SERVICE USE COMPONENTS.														
		2.1002 - SERVICE KIT, INJECTOR														
		OVERHAUL KIT CONSISTS OF ONE (1) SEAL RING, TWO (2) FILTER CAP GASKETS, TWO (2) FILTER ELEMENTS AND TWO (2) SHIPPING CAPS.														
	5229649	OVERHAUL KIT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1010 - CONTAINER, INJECTOR SHIPPING														
1B	5149669	CONTAINER (12.8050)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1020 - BODY ASSY., INJECTOR														
		A BODY ASSY. INCLUDES DOWEL AND PLUG IN 2.1020.														
1B	5228583	BODY ASSY.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1B	5226416	DOWEL	1	1	1	1	1	1	1	1						
	5226912	PLUG, BODY	2	2	2	2	2	2	2	2						
1B	5229191	TAG, NUMBER (BLANK & UNPAINED)				1		1								
1B	5229654	TAG, NUMBER (5A60)			1											
1B	5228848	TAG, NUMBER (N65)		1												
1B	5229803	TAG, NUMBER (5N65)					1									
1B	5226067	TAG, NUMBER (5N45)								1						
	5226458	TAG, NUMBER (5E60)									1					
	5226460	TAG, NUMBER (5E55)										1				
	5226462	TAG, NUMBER (5E50)											1			
	5226459	TAG, NUMBER (5C55)												1		
	5226461	TAG, NUMBER (5C50)													1	
	5226457	TAG, NUMBER (5C60)														1
	5229924	TAG, NUMBER (5A50)							1							
	5229652	TAG, NUMBER (5A55)	1													

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 157	160	161	162	170	179	191	213	226	227	228	229	230	231
		2.1030 - NUT, INJECTOR VALVE														
1B	**5228601**	NUT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1040 - RING, INJECTOR SEAL														
1B	**5229167**	RING	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 157	160	161	162	170	179	191	213	226	227	228	229	230	231
		2.1050 - DEFLECTOR, INJECTOR SPILL														
1B	5228109	DEFLECTOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1060 - FOLLOWER, INJECTOR														
1B	5228104	FOLLOWER	1	1	1	1	1	1	1	1		1	1	1	1	1
		2.1080 - SPRING, INJECTOR PLUNGER														
1B	5228739	SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1100 - PIN, INJECTOR STOP														
1B	5228608	PIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1110 - ELEMENT, INJECTOR FILTER														
1B	5228587	ELEMENT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1130 - CAP, INJECTOR FILTER														
1B	5228588	CAP	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.1140 - GASKET, INJECTOR FILTER CAP														
B	5226186	GASKET	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.1150 - *CAP, INJECTOR SHIPPING*														
1B	5226414	CAP	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1160 - PLUNGER AND BUSHING ASSY., INJECTOR														
1B	5228841	PLUNGER AND BUSHING ASSY. (M55)				1										
1B	5228656	PLUNGER AND BUSHING ASSY (5A60)			1											
1B	5228928	PLUNGER AND BUSHING ASSY. (N65)		1												
1B	5228668	PLUNGER AND BUSHING ASSY. (5N65)					1									
1B	5228679	PLUNGER AND BUSHING ASSY. (L40)						1								
	5228684	PLUNGER AND BUSHING ASSY. (5N45)								1						
1B	5226392	PLUNGER AND BUSHING ASSY. (5C60, 5E60)									1					1
1B	5226422	PLUNGER AND BUSHING ASSY. (5C55, 5E55)										1		1		
1B	5226428	PLUNGER AND BUSHING ASSY. (5C50, 5E50)											1		1	
	5229921	PLUNGER AND BUSHING ASSY. (5A50)							1							
	5228749	PLUNGER AND BUSHING ASSY. (5A55)	1													
		2.1165 - PIN, BUSHING GUIDE														
	5226393	PIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 157	160	161	162	170	179	191	213	226	227	228	229	230	231
		2.1170 - RACK ASSY., INJECTOR														
1B	**5226719**	*RACK*	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1180 - GEAR, INJECTOR														
1B	**5226400**	GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1190 - RETAINER, INJECTOR GEAR														
1B	**5228586**	RETAINER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1200 - VALVE, INJECTOR CHECK														
1B	**5228694**	VALVE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1205 - CAGE, INJECTOR CHECK VALVE														
1B	**5228696**	CAGE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.1235 - TIP ASSY., INJECTOR SPRAY														
		COMPONENTS OF TIP ASSY. ARE NOT SOLD SEPARATELY.														
1B	**5229034**	TIP ASSY. (M60, M65, M70, N40, N45, N50, N35, M40, M55)				1										
1B	**5229030**	TIP ASSY. (N65, 5A50, 5A55, 5A60, 5A65, 5E50, 5E55, 5E60)	1	1	1				1		1	1	1			
1B	**5229192**	TIP ASSY. (5N65)					1									
1B	**5229026**	TIP ASSY. (L40, 5N45)						1		1						
1B	**5226404**	TIP ASSY. (5C50, 5C55, 5C60)												1	1	1
		2.1238 - VALVE KIT, INJECTOR														
		INCLUDES ITEMS IN 2.1250 AND 2.1255.														
	5228769	VALVE KIT (SHORT QUILL NEEDLE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.1250 - SPRING, INJECTOR VALVE														
1B	**5228596**	SPRING	1	1	1	1	1	1	1	1			1		1	
1B	**5226359**	SPRING (HIGH OUTPUT)									1	1		1		1
		2.1255 - SEAT, INJECTOR VALVE SPRING														
1B	**5228766**	SEAT	1	1	1	1	1	1	1	1			1		1	
1B	**5226246**	SEAT (HIGH OUTPUT)									1	1		1		1
		2.1257 - CAGE, INJECTOR VALVE SPRING														
1B	**5228594**	CAGE	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 157	160	161	162	170	179	191	213	226	227	228	229	230	231
		2.1270 - CLAMP, INJECTOR														
1B	**5121259**	CLAMP	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5150250**	WASHER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1B	**179847**	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 242	TYPES 277
		2.1001 - INJECTOR ASSY.		
		QUANTITIES SHOWN ARE PER CYLINDER.		
	5226440	INJECTOR ASSY. (7N65)	1	
	5226790	INJECTOR ASSY. (5A68)		1
		2.1002 - SERVICE KIT, INJECTOR		
		OVERHAUL KIT CONSISTS OF ONE (1) SEAL RING, TWO (2) FILTER CAP GASKETS, TWO (2) FILTER ELEMENTS AND TWO (2) SHIPPING CAPS.		
	5229649	OVERHAUL KIT	AR	AR
		2.1010 - CONTAINER, INJECTOR SHIPPING		
	5149669	CONTAINER (12.8050)	AR	AR
		2.1020 - BODY ASSY., INJECTOR		
1B	5228583	BODY ASSY.	1	
1B	5228584	BODY ASSY.		1
1B	5226416	DOWEL	1	1
	5226912	PLUG, BODY	2	2
1B	5226241	TAG, NUMBER (7N65)	1	
1B	5226664	TAG, NUMBER (5A68)		1
		2.1030 - NUT, INJECTOR VALVE		
1B	5228601	NUT	1	1
		2.1040 - RING, INJECTOR SEAL		
1B	5229167	RING	1	1
		2.1050 - DEFLECTOR, INJECTOR SPILL		
1B	5228109	DEFLECTOR	1	1
		2.1060 - FOLLOWER, INJECTOR		
1B	5228104	FOLLOWER	1	1
		2.1080 - SPRING, INJECTOR PLUNGER		
1B	5228739	SPRING	1	1
		2.1100 - PIN, INJECTOR STOP		
1B	5228608	PIN	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 242	TYPES 277
		2.1110 - ELEMENT, INJECTOR FILTER		
1B	**5228587**	ELEMENT	1	1
		2.1130 - CAP, INJECTOR FILTER		
1B	**5228588**	CAP	2	2
		2.1140 - GASKET, INJECTOR FILTER CAP		
1B	**5226186**	GASKET	2	2
		2.1150 - CAP, INJECTOR SHIPPING		
1B	**5226414**	CAP	AR	AR
		2.1160 - PLUNGER AND BUSHING ASSY., INJECTOR		
1B	**5226298**	PLUNGER AND BUSHING ASSY. (7N65)	1	
1B	**5228682**	PLUNGER AND BUSHING ASSY. (5A68)		1
		2.1165 - PIN, BUSHING GUIDE		
	5226393	PIN	1	1
		2.1170 - RACK ASSY., INJECTOR		
1B	**5226719**	RACK	1	1
		2.1180 - GEAR, INJECTOR		
1B	**5226400**	GEAR	1	1
		2.1190 - RETAINER, INJECTOR GEAR		
1B	**5228586**	RETAINER	1	1
		2.1200 - VALVE, INJECTOR CHECK		
1B	**5228694**	VALVE	1	1
		2.1205 - CAGE, INJECTOR CHECK VALVE		
1B	**5228696**	CAGE	1	1
		2.1235 - TIP ASSY., INJECTOR SPRAY		
		COMPONENTS OF TIP ASSY. ARE NOT SOLD SEPARATELY.		
	5229192	TIP ASSY. (7N65, 5A68)	1	1

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2.1000A FUEL INJECTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2 4 2	2 7 7
		2.1238 - VALVE KIT, INJECTOR		
	5228769	VALVE KIT (SHORT QUILL NEEDLE)	AR	AR
		2.1250 - SPRING, INJECTOR VALVE		
1B	**5228596**	SPRING	1	
1B	**5226359**	SPRING (HIGH OUTPUT)		1
		2.1255 - SEAT, INJECTOR VALVE SPRING		
1B	**5228766**	SEAT	1	
1B	**5226246**	SEAT (HIGH OUTPUT)		1
		2.1257 - CAGE, INJECTOR VALVE SPRING		
1B	**5228594**	CAGE	1	1
		2.1270 - CLAMP, INJECTOR		
	5121259	CLAMP	1	1
	5150250	WASHER	1	1
	179847	BOLT, 3/8"-16X2" (12.9001)	1	1

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2.2000 FUEL PUMP

2.2001 - PUMP ASSY., FUEL

SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 33	34	36	39	41	42	43	46	47	50	54	58	60
2A	5184531	# PUMP ASSY., 2,3,4-53 (C,D ENG.) (GEAR TYPE) (1/4" INLET) (PAGE A1)	1		1					1					
2A	5134705	# PUMP ASSY., 2,3,4-53 (C,D ENG.) (GEAR TYPE) (3/8" INLET) (PAGE A1)	1		1					1					
	5198318	& PUMP KIT, FUEL 2,3,4-53 (C,D ENG.) (PAGE D1) (5199560)	1		1					1					
2A	5184532	# PUMP ASSY., 2,3,4-53 (A,B ENG.) (GEAR TYPE) (1/4" INLET) (PAGE A1)		1											
2A	5134706	# PUMP ASSY., 2,3,4-53 (A,B ENG.) (GEAR TYPE) (3/8" INLET) (PAGE A1)		1											
	5198876	& PUMP KIT, FUEL 2,3,4-53 (A,B ENG.) (PAGE D1) (5199561)		1											
2A	5109017	# PUMP ASSY., 3,4,6,8V53 (R.H.) (1/4" INLET) (PAGE A1)					1				1				
	5197769	% PUMP KIT, FUEL 3,4,6,8V53 (R.H.) (PAGE D1) (5199561) (O)					1				1				
2A	5126529	# PUMP ASSY., 6,8V53 (L.H.) (1/4" INLET) (PAGE A1)						1	1						
	5198729	# PUMP KIT, FUEL 6,8V53 (L.H.) (PAGE D1) (5199560)						1	1						
2A	5111367	# + PUMP ASSY., 2,3,4-53 (A,B ENG.) (GEAR TYPE) (1/4" INLET) (PAGE A1)													1
2A	5134714	# + PUMP ASSY., 2,3,4-53 (A,B ENG.) (GEAR TYPE) (3/8" INLET) (PAGE A1)													1
	5198875	& + PUMP KIT, FUEL 2, 3, 4-53 (A, B ENG.) (PAGE D1) (5199561)													1
2A	5128212	% PUMP ASSY., 6V53 (R.H.) (3/8" INLET) (PAGE B1)				1									
2A	5108519	# PUMP ASSY., 6V53 (R.H.) (1/4" INLET) HIGH CAPACITY (PAGE B1)										1			
	5199734	PUMP KIT, 6, 8V53 (PAGE D1)										1			
	5172926	@ PUMP ASSY., 6V53 (AUX.) (TUTHILL #00L1, C. C. W.)											1		
	5172938	* PUMP ASSY., 2,3,4-53 (PRIMER) (DEMING #RR 3801 1/2)											1		
	5101092	= PUMP ASSY., 2,3,6V53 (TUTHILL #00LA, CW1CCW)											1		
	5131476	? PUMP ASSY., 4, 6V53 (TITAN #4101-B-63C) (C.W.)												1	
	C0384	MOTOR, ELECTRIC FUEL BOOSTER PUMP DRIVE, 24V.												1	
	8924166	BUSHING, 3/4"X1/4" RED. (12.9570)												1	
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)												1	
	8924380	PLUG, 3/8" PIPE (12.9550)												1	
	189929	ELBOW, 3/8"-90 DEG. X 1/4" NPT. (12.9480)	1	1	1	1				1		1			1
	179816	BOLT, 5/16"-18X3/4" (12.9001)					1								
	5131685	BOLT, 5/16"-18X3/4" (WITH NYLON INSERT (5.1031)			3										
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	3	3		3	3	3	3	3	3	3			3
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)											2		
	103320	LOCKWASHER, 5/16" (12.9200)											2		
	103321	LOCKWASHER, 3/8" (12.9200)			3										
	103322	LOCKWASHER, 7/16" (12.9200)											2		
	442826	NUT, 5/16"-24 LOCK (12.9140)											2		
	117049	NUT, 3/8"-24 (12.9120)												4	
													2		

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 33	34	36	39	41	42	43	46	47	50	54	58	60
		2.2001 - PUMP ASSY., FUEL (CONT'D)													
		# NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.													
		& NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES.													
		% NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP ASSEMBLY AND QUANTITY OF 892438 0 SHOWN IN PARENTHESES.													
		+ USE WHEN FUEL TANK IS MOUNTED HIGHER THAN FUEL PUMP.													
		= SERVICED AS ASSEMBLY ONLY. FOR REPLACEMENT PARTS, CONTACT TUTHILL PUMP CO., CHICAGO, ILLINOIS. FURNISHING THEIR PART NUMBER SHOWN IN PARENTHESES.													
		*'SERVICED AS ASSEMBLY ONLY. FOR REPLACEMENT PARTS, CONTACT DEMING CO., SALEM, OHIO. FURNISHING THEIR PART NUMBER SHOWN IN PARENTHESES.													
		@ NOT SERVICED. USE 5101092 PLUS (2) 5146393 BUSHING IN 2.2001.													
		% NOT SERVICED, USE COMPONENTS.													
		? ASSEMBLY SERVICED ONLY. FOR REPLACEMENT PARTS CONTACT TITAN PUMP & ENG. CORP., 43600 GRAND RIVER, NOVI, M ICHIGAN.													
		2.2004 - OVERHAUL KIT, FUEL PUMP													
	5195078	* OVERHAUL KIT, 2,3,4,6,8V53 (1/4" DRIVEN GEAR)	AR	AR	AR		AR	AR	AR	AR	AR				AR
	5149599	* OVERHAUL KIT, 6,8V53 (3/8" DRIVEN GEAR)										AR			
		* INCLUDES ITEMS IN 2.2007, 2.2070, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.													
		2.2007 - GASKET, FUEL PUMP TO ENGINE													
2A	**5150193**	GASKET, 2,3,4,6,8V53 (5.1010)	1	1	1	1	1	1	1	1	1	1		1	1
	5172915	GASKET, 2,3,4,6V53											1		
		2.2220 - FORK, FUEL PUMP COUPLING													
2A	**5121398**	FORK, 2,3-53			1										
2A	**5102257**	FORK, 3,4,6,8V53				1	1	1	1	1	1	1			
		2.2228 - DISC, FUEL PUMP DRIVE													
	5153449	# & DISC, 2,3,4,6V53 (23 TEETH) (1.7630)												1	
	5131627	# DISC, 2,3,4,6V53 (21 TEETH) (1.7630)												1	
	5177026	SPACER (1.7630)								1				1	
	5140814	SPACER (12.5015)								2	2				
	5122922	RETAINER (1.7207)													

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 33	34	36	39	41	42	43	46	47	50	54	58	60
		2.2228 - DISC, FUEL PUMP DRIVE (CONT'D)													
	5122923	STUD, 3/8"-24X1.50" (1.7633)											1		
	5176474	BOLT, 3/8"-24 X 1.125" (1.7630)											3		
	124925	NUT, 3/8"-24 (12.9120)											1		
	9413533	NUT, 3/8"-24 SELF-LOCKING (12.9120)											1		
		# THRU 2D-16248, 3D-14315, 4D-17425, 6D-7991.													
		& NOT SERVICED, SUPERSEDED BY 5131627 PLUS (1) 5143616 COUPLING FOR ALL USAGE EXCEPT GENERATOR DRIVES USING MATING SHAFT 5168697. USE 5131627 PLATE AND 5122876 SHAFT FOR GENERATOR DRIVES.													
		2.2230 - COUPLING, FUEL PUMP DRIVE													
	5143616	COUPLING, 2,3,4,6V53 (EXTERNAL GEAR, 21 TEETH)											1		
2A	**5154216**	COUPLING, 2,3,4-53	1	1											1
	3292492	# COUPLING, 2,3,4,6V53 (EXTERNAL GEAR, 23 TEETH) (1.7635)											1		
		# THRU 2D-16248, 3D-14315, 4D-17425, 6D-7991.													
		2.2235 - PLATE, FUEL PUMP MOUNTING													
2C	**5121050**	PLATE, 3,4,6,8V53				1				1	1	1			
2C	**5125179**	ADAPTOR, 2,3,4,6V53 (2.2260)											1		
2C	**179857**	BOLT, 7/16"-14X7/8" (12.9001)				1				1	1	1			
2C	**179858**	BOLT, 7/16"-14X1" (12.9001)											1		
2C	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)				4				4	4	4	4		
	5150568	WASHER, 7/16" COPPER (2.4050)				1				1	1	1	1		
2C	**103323**	LOCKWASHER, 1/2" (12.9200)				4				4	4	4	4		
		2.2237 - GASKET, FUEL PUMP MOUNTING PLATE													
2C	**5104506**	GASKET (1.5040)				1				1	1	1	1		
		2.2260 - ADAPTOR, FUEL PUMP DRIVE													
2C	**5127266**	ADAPTOR, 3,4,6,8V53				1				1	1	1			
2B	**5125775**	ADAPTOR, 6,8V53					1	1	1						
2B	**9409073**	BOLT, 1/4"-20X5/8" (12.9001)					2	2	2						
2C	**9409131**	BOLT, 3/8"-24X3/4" (12.9001)				2						2			
2C	**9409035**	BOLT, 3/8"-24X1" LOCK (12.9001)								2	2				
		2.2290 - GEAR, FUEL PUMP DRIVE													
		A GEAR ASSY. INCLUDES BUSHING.													
2B	**5125768**	GEAR ASSY., 6,8V53 (L.H. HELIX)					1	1							
2B	**5125767**	GEAR ASSY., 6,8V53 (R.H. HELIX)							1						
	5172916	GEAR, 2,3,4,6V53											1		
2B	**5196842**	BUSHING (FINISHED)					1	1	1						
	106958	KEY, 1/16"X1/2" WOODRUFF (12.9350)											1		
	140881	SCREW, #10-32X5/16" SET (12.9076)										1	1		

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 33	34	36	39	41	42	43	46	47	50	54	58	60
		2.2292 - HUB, FUEL PUMP DRIVE GEAR													
2B	**5125774**	HUB, 6,8V53					1	1	1						
2B	**9409203**	BOLT, 1/2"-13X2 3/4" (12.9001)					1	1	1						
2B	**5125771**	WASHER, THRUST (INNER)					2	2	2						
2B	**5126672**	WASHER, RETAINER					1	1	1						

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 62	66	67	68	70	72	73	74	78	79	80	82
	2.2001	**- PUMP ASSY., FUEL**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.												
	5198318	@ PUMP KIT, FUEL 2,3,4-53 (C,D ENG.) (PAGE D1) (5199560)					1							
2A	**5184532**	# PUMP ASSY., 2,3,4-53 (A,B ENG.) (GEAR TYPE) (1/4" INLET) (PAGE A1)		1										
	5198876	@ PUMP KIT, FUEL 2,3,4-53 (A,B ENG.) (PAGE D1) (5199561)		1										
2A	**5134716**	# PUMP ASSY., 3,4,6,8V53 (R.H.) (3/8" INLET) (PAGE A1)								1				
	5197769	& PUMP KIT, FUEL 3,4,6,8V53 (R.H.) (PAGE D1) (5199561) (0)								1				
2A	**5134717**	# PUMP ASSY., 6,8V53 (L.H.) (3/8" INLET) (PAGE A1)						1				1	1	
	5198729	@ PUMP KIT, FUEL 6,8V53 (L.H.) (PAGE D1) (5199560)						1				1	1	
2A	**5111366**	# % PUMP ASSY., 2,3,4-53 (C, D ENG.) (GEAR TYPE) (1/4" INLET) (PAGE B1)	1											
2A	**5134715**	# % PUMP ASSY., 2,3,4-53 (C,D ENG.) (GEAR TYPE) (3/8" INLET) (PAGE B1)	1											
	5198874	% @ PUMP KIT, FUEL 2, 3, 4-53 (C, D ENG.) (5199560) (PAGE D1)	1											
2A	**5134703**	# PUMP ASSY., 6,8V53 (R.H.) (3/8 INLET) HIGH CAPACITY (PAGE B1)							1		1			
2A	**5136276**	@ PUMP ASSY., 8V53 (L.H.) (3/8" INLET) (PAGE B1) (5199560)												1
	5172926	+ PUMP ASSY., 6V53 (AUX.) (TUTHILL #00L1, C. C. W.)				1								
	5172938	* PUMP ASSY., 2,3,4-53 (PRIMER) (DEMING #RR 3801 1/2)			1									
	5174731	+ PUMP ASSY., 2,3-53 (AUX.) (TUTHILL #00L1, C. W.)			1									
	5101092	= PUMP ASSY., 2,3,6V53 (TUTHILL #00LA, CW/CCW)			1	1								
	8924380	PLUG, 3/8" PIPE (12.9550)	1											
	5131685	BOLT, 5/16"-18X3/4" (WITH NYLON INSERT)	3	3			3	3	3	3	3	3	3	3
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			2									
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)			2	2								
	103321	LOCKWASHER, 3/8" (12.9200)			2									
	103322	LOCKWASHER, 7/16" (12.9200)			2	2								
	117049	NUT, 3/8"-24 (12.9120)			2									

@ ASSEMBLY NOT SERVICED; USE PUMP KIT SHOWN IN PARENTHESES.

NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.

& NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP ASSY. AND QUANTITY OF 8924380 S HOWN IN PARENTHESES.

% USE WHEN FUEL TANK IS MOUNTED HIGHER THAN FUEL PUMP.

= SERVICED AS ASSEMBLY ONLY. FOR REPLACEMENT PARTS, CONTACT TUTHILL PUMP CO., CHICAGO, ILLINOIS. FURNISHING THEIR PART NUMBER SHOWN IN PARENTHESES.

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 62	66	67	68	70	72	73	74	78	79	80	82
		2.2001 - PUMP ASSY., FUEL (CONT'D)												
		* SERVICED AS ASSEMBLY ONLY. FOR REPLACEMENT PART, CONTACT DEMING CO., SALEM, OHIO. FURNISHING THEIR PART N UMBER SHOWN IN PARENTHESES.												
		+ NOT SERVICED, USE 5101092 PLUS (2) 5146393 BUSHING IN 2.2001.												
		2.2004 - OVERHAUL KIT, FUEL PUMP												
		INCLUDES ITEMS IN 2.2007, 2.2070, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.												
	5195078	OVERHAUL KIT, 2,3,4,6,8V53 (3/8" DRIVEN GEAR)	AR	AR			AR	AR		AR		AR	AR	
	5149599	OVERHAUL KIT, 6,8V53 (1/4" DRIVEN GEAR)							AR		AR			
		2.2007 - GASKET, FUEL PUMP TO ENGINE												
2A	**5150193**	GASKET, 2,3,4,6,8V53 (5.1010)	1	1			1	1	1	1	1	1	1	1
	5172915	GASKET, 2,3,4,6V53			1	1								
		2.2220 - FORK, FUEL PUMP COUPLING												
2A	**5121398**	FORK, 2,3-53					1							
2A	**5102257**	FORK, 3,4,6,8V53		1			1	1	1	1	1	1	1	1
		2.2228 - DISC, FUEL PUMP DRIVE												
	5153449	# & DISC, 2,3,4,6V53 (23 TEETH) (1.7630)			1	1								
	5131627	# DISC, 2, 3, 4, 6V53 (21 TEETH) (1.7630)			1	1								
	5177026	SPACER (1.7630)			1	1								
	5122922	RETAINER (1.7207)			3									
	5176474	BOLT, 3/8"-24 X 1.125" (1.7630)				4								
	5145091	BOLT, 3/8"-24X1.31" (12.5015)			4									
		# THRU 2D-16248, 3D-14315, 4D-17425, 6D-7991.												
		& NOT SERVICED, SUPERSEDED BY 5131627 PLUS (1) 5143616 COUPLING FOR ALL USAGE EXCEPT GENERATOR DRIVES USING MATING SHAFT 5168697. USE 5131627 PLATE AND 5122876 SHAFT FOR GENERATOR DRIVES.												
		2.2230 - COUPLING, FUEL PUMP DRIVE												
	5135843	+ COUPLING, 6V53 (FOR BLOWER DRIVEN PUMP)										1		
	5143616	COUPLING, 2,3,4,6V53 (EXTERNAL GEAR, 21 TEETH)			1	1								
2A	**5154216**	COUPLING, 2,3,4-53	1											
	3292492	# COUPLING, 2,3,4,6V53 (EXTERNAL GEAR, 23 TEETH) (1.7635)			1	1								
		+ OBSOLETE.												

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 62	66	67	68	70	72	73	74	78	79	80	82
		2.2230 - COUPLING, FUEL PUMP DRIVE (CONT'D)												
		# THRU 2D-16248, 3D-14315, 4D-17425, 6D-7991.												
		2.2235 - PLATE, FUEL PUMP MOUNTING												
2C	**5121050**	PLATE, 3,4,6,8V53							1					
2C	**5139332**	PLATE ASSY., 8V53									1			
2C	**5125179**	ADAPTOR, 2,3,4,6V53 (2.2260)			1	1								
2C	**5135844**	* ADAPTOR, 6V53 (2.2260)										1		
	116399	BOLT, 3/8"-16X6 1/4" (12.9001)										4		
2C	**179857**	BOLT, 7/16"-14X7/8" (12.9001)							1					
2C	**179858**	BOLT, 7/16"-14X1" (12.9001)		1	1									
2C	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)			4	4			4					
	5150568	WASHER, 7/16" COPPER (2.4050)			1	1			1					
	103321	LOCKWASHER, 3/8" (12.9200)										4		
2C	**103323**	LOCKWASHER, 1/2" (12.9200)			4	4			4					
		* OBSOLETE												
		2.2237 - GASKET, FUEL PUMP MOUNTING PLATE												
2C	**5104506**	GASKET, 2,3,4,6,8V53 (1.5040)			1	1			1					
2C	**5121344**	GASKET, 6V53 (3.4360)										1		
		2.2260 - ADAPTOR, FUEL PUMP DRIVE												
2C	**5127266**	ADAPTOR, 3,4,6,8V53							1		1			
2B	**5125775**	ADAPTOR, 6,8V53		1				1		1			1	1
2B	**9409073**	BOLT, 1/4"-20X5/8" (12.9001)		2				2		2			2	2
2C	**9409131**	BOLT, 3/8"-24X3/4" (12.9001)							2		2			
		2.2290 - GEAR, FUEL PUMP DRIVE												
		A GEAR ASSY. INCLUDES BUSHING.												
2B	**5125768**	GEAR ASSY., 6,8V53 (L.H. HELIX)		1						1			1	
2B	**5125767**	GEAR ASSY., 6,8V53 (R.H. HELIX)						1						1
	5172916	GEAR, 2,3,4,6V53			1	1								
2B	**5196842**	BUSHING (FINISHED)		1				1		1			1	1
	106958	KEY, 1/16"X1/2" WOODRUFF (12.9350)			1	1								
	140881	SCREW, #10-32X5/16" SET (12.9076)			1	1								
		2.2292 - HUB, FUEL PUMP DRIVE GEAR												
2B	**5125774**	HUB, 6,8V53.		1				1		1			1	1
2B	**9409203**	BOLT, 1/2"-13X2 3/4" (12.9001)		1				1		1			1	1
2B	**5125771**	WASHER, THRUST (INNER)		2				2		2			2	2
2B	**5126672**	WASHER, RETAINER		1				1		1			1	1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 86	89	90	96	98	101	102	107	116	117	118	119
	2.2001	**- PUMP ASSY., FUEL**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.												
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)		1							1			
2A	**5134703**	# PUMP ASSY., 8V53 (R.H.) (3/8" INLET) (HIGH CAPACITY) (PAGE B1)	1											
2A	**5134717**	# PUMP ASSY., 6V53 (L.H.) (3/8" INLET) (PAGE A1)			1									
2A	**5134702**	& % PUMP ASSY., 3, 6V53 (R.H.) (3/8" INLET) (PAGE B1) (5199734)				1				1				
	5131476	+ PUMP ASSY., 3,4-53 (TITAN #4101-B-63C)					1							
	5140102	& % PUMP ASSY., 6V53 (R.H.) (3/8" INLET) (PAGE B1) (5199734)						1						
2A	**5134701**	& % PUMP ASSY., 6V53 (L.H.) (3/8" INLET) (PAGE B1) (5108065)							1					
	5174731	* PUMP ASSY., 2,3,4-53 (AUX.) (TUTHILL #00L1- C.W.)										1		1
	5172938	@ PUMP ASSY., 2,3,4-53 (PRIMER)(DEMING #RR 3801 1/2)										1		1
	5134715	# PUMP ASSY., 4-53 (L.H.) (3/8" INLET) (PAGE B1)											1	
	5199734	PUMP KIT, FUEL 6,8V53 (R.H.) (3/8" INLET) (PAGE D1)	1											
	5198729	% PUMP KIT, FUEL 6V53 (L.H.) (PAGE D1) (5199560)			1									
	5198874	& % PUMP KIT, FUEL 4-53 (L.H.) (PAGE D1) (5199560)											1	
	5101092	= PUMP ASSY., AUX. 2,3,4-53 (TUTHILL #00LA., CW/CCW)										1		1
	5146393	BUSHING, 3/8" X 1/2" RED. (INLET AND OUTLET)										2		2
	5152716	COVER (3.4223)									1			
	8924380	PLUG, 1/8" PIPE (12.9550)			2									
	5131685	BOLT, 5/16 -18X7/8 (WITH NYLOC INSERT) (5.1031)	3		3	3		3	3	3	3		3	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)										2		2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)										2		2
	103321	LOCKWASHER, 3/8" (12.9200)										2		2
	103322	LOCKWASHER, 7/16" (12.9200)										2		2
	117049	NUT, 3/8"-24 (12.9120)										2		2

NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.

& USE WHEN FUEL TANK IS MOUNTED HIGHER THAN FUEL PUMP.

% NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP ASSY. OR KIT SHOWN IN PARENTHES ES PLUS QUANTITY OF 8924380 PLUG SHOWN.

+ SERVICED AS ASSEMBLY ONLY. FOR COMPONENTS CONTACT TITAN PUMP AND ENGINE CORP., 43600 GRAND RIVER, NOVI, M ICHIGAN.

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 86	89	90	96	98	101	102	107	116	117	118	119
		2.2001 - PUMP ASSY., FUEL (CONT'D)												
		= SERVICED AS COMPLETE ASSEMBLY ONLY. FOR REPLACEMENT PARTS CONTACT TUTHILL PUMP CO., CHICAGO, ILLINOIS. FU RNISHING THEIR PART NUMBER SHOWN IN PARENTHESES.												
		* REPLACED BY 5101092 PLUS (2) 5146393 BUSHING IN 2.2001.												
		@ SERVICED AS COMPLETE ASSEMBLY ONLY. FOR REPLACEMENT PARTS CONTACT DEMING CO., SALEM OHIO. FURNISHING THEI R PART NUMBER SHOWN IN PARENTHESES.												
		2.2004 - OVERHAUL KIT, FUEL PUMP												
		INCLUDES ITEMS IN 2.2007, 2.2070, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.												
	5149599	OVERHAUL KIT, 6,8V53 (3/8" DRIVEN GEAR)	AR		AR	AR		AR	AR	AR				
	5195078	OVERHAUL KIT, 2,3,4,6,8V53 (1/4" DRIVEN GEAR)											AR	
		2.2007 - GASKET, FUEL PUMP TO ENGINE												
A	5150193	GASKET, 2,3,4,6,8V53 (5.1010)	1		1	1		1	1	1	1		1	
	5172915	GASKET, 2,4-53										1		1
		2.2220 - FORK, FUEL PUMP COUPLING												
2A	5102257	FORK	1		1			1	1	1	1			
		2.2228 - DISC, FUEL PUMP DRIVE												
	5131627	DISC, 4-53 (21 TEETH) (1.7630)										1		
	5170450	DISC, 2,3,4-53 (21 TEETH) (1.7630)												1
	5122923	STUD, 3/8"-24X1.50" (12.9117)										1		
	5108836	STUD, 3/8"X1 3/4" (12.9117)												1
	5177026	SPACER (12.5015)										1		
	5140814	SPACER (12.5015)												1
	5176474	BOLT, 3/8"-24 X 1.125" (1.7630)										3		
	5145091	BOLT, 3/8"-24X1.38" (12.5015)												4
	9413533	NUT, 3/8"-24 SELF-LOCKING (12.9120)										1		1
	5145431	NUT, 3/8"-24 (12.9120)										1		1
		2.2230 - COUPLING, FUEL PUMP DRIVE												
	5109676	COUPLING, 3,4-53				1							1	
	5143616	COUPLING, 2,3,4-53 (12.5010)										1		1
		2.2235 - PLATE, FUEL PUMP MOUNTING												
2C	5121050	PLATE, 4,6,8V53						1		1				
2C	5125179	ADAPTOR, 2,3,4-53 (2.2260)										1		1
2C	179858	BOLT, 7/16"-14X1" (12.9001)										1		1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 86	89	90	96	98	101	102	107	116	117	118	119
		2.2235 - PLATE, FUEL PUMP MOUNTING (CONT'D)												
2C	**454990**	BOLT, 1/2"-13X1 1/8" (12.9001)										4		4
		2.2260 - ADAPTOR, FUEL PUMP DRIVE												
2C	**5125775**	ADAPTOR, 6,8V53		1	1				1		1			
2C	**5127266**	ADAPTOR, 4,6,8V53						1		1				
2C	**9409073**	BOLT, 1/4"-20X5/8" (12.9001)		2	2				2		2			
2C	**9409131**	BOLT, 3/8"-24X3/4" (12.9001)						2						
2C	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)								2				
		2.2290 - GEAR, FUEL PUMP DRIVE												
		A GEAR ASSY. INCLUDES BUSHING.												
2B	**5125767**	GEAR ASSY., 6,8V53		1	1				1		1			
	5172916	GEAR, 2,3,4-53										1		1
	106958	KEY, 1/16"X1/2" WOODRUFF (12.9350)										1		1
	140881	SCREW, #10-32X5/16" SET (12.9076)										1		1
	5196842	BUSHING (FINISHED)		1	1				1		1			
		2.2292 - HUB, FUEL PUMP DRIVE GEAR												
2B	**5125774**	HUB, 6,8V53		1	1				1		1			
2B	**9409203**	BOLT, 1/2"-13X2 3/4" (12.9001)		1	1				1		1			
2B	**5125771**	WASHER, THRUST (INNER)		2	2				2		2			
2B	**5126672**	SPACER, RETAINER		1	1				1		1			

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	127	128	131	132	134	136	137	138	139	140	143
	2.2001	**- PUMP ASSY., FUEL**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A FUEL PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007 AND REDUCING BUSHING IN 2.2030.												
	5131476	* PUMP ASSY., 3,4-53 (TITAN #4101-B-63C)	1											
2A	**5146341**	# PUMP ASSY., 4,6V53 (L.H.) (3/8 INLET) (PAGE B1)		1		1	1							1
2A	**5146340**	# PUMP ASSY., 2,3,4,6V53 (R.H.) (3/8 INLET) (PAGE C1)			1				1	1				
2A	**5146697**	# PUMP ASSY., 6V53 (R.H.) (3/8" INLET) (PAGE C1)						1						
2A	**5146342**	# PUMP ASSY., 6V53 (R.H.) (3/8" INLET) (PAGE C1)									1	1	1	
	5199734	PUMP KIT, FUEL 6,8V53 (R.H.) (3/8" INLET) (PAGE D1)						1			1	1	1	
2A	**5199560**	PUMP KIT, FUEL 6V53 (L.H.) (PAGE D1)		1		1	1							
	5199561	PUMP KIT, FUEL 6V53 (R.H.) (PAGE D1)			1				1					
	C-384	MOTOR, ELECTRIC FUEL BOOSTER PUMP DRIVE 3-53 (24 VOLT)	1											
	8924166	BUSHING, 3/4"X1/4" RED. (12.9570)	1											
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)	1											
	8924380	PLUG, 1/8" PIPE (12.9550)			2	2	3	2	2	3	2	2	2	2
	8924749	PLUG, 1/8" PIPE (12.9550)		2										
	5131685	BOLT, 5/16 -18X3/4 (WITH NYLOC INSERT) (5.1031)		3	3	3	3	3	3	3	3	3	3	3
	442826	NUT, 5/16"-24 CAD. (12.9120)	4											
		* SERVICED AS ASSEMBLY ONLY. FOR COMPONENTS CONTACT TITAN PUMP AND ENGINE CORP., 43600 GRAND RIVER, NOVI, M ICHIGAN.												
		# NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.												
	2.2004	**- OVERHAUL KIT, FUEL PUMP**												
		INCLUDES ITEMS IN 2.2007, 2.2070, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.												
	5149599	OVERHAUL KIT, 6,8V53 (3/8" DRIVEN GEAR)						AR			AR	AR	AR	
	5195078	OVERHAUL KIT, 2,3,4,6,8V53 (1/4" DRIVEN GEAR)		AR	AR	AR	AR		AR	AR				AR
	2.2007	**- GASKET, FUEL PUMP TO ENGINE**												
2A	**5150193**	GASKET, 2,3,4,6,8V53 (5.1010)		1	1	1	1	1	1	1	1	1	1	1
	2.2220	**- FORK, FUEL PUMP COUPLING**												
2A	**5102257**	FORK, 6,8V53			1	1	1	1		1	1	1	1	1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	127	128	131	132	134	136	137	138	139	140	143
		2.2230 - COUPLING, FUEL PUMP DRIVE												
	5154216	COUPLING, 2,3,4-53		1					1					
		2.2235 - PLATE, FUEL PUMP MOUNTING												
2C	**5121050**	PLATE, 4, 6, 8V53 (4.5020)						1		1	1			1
2C	**5139332**	PLATE, 8V53											1	
	8924380	PLUG, 1/8" PIPE (12.9550)									2			
	5120274	NUT, 5/16"-18 PLUG (5.3015)									3			
		2.2260 - ADAPTOR, FUEL PUMP DRIVE												
2C	**5125775**	ADAPTOR, 6,8V53			1	1	1	1		1	1	1	1	1
2C	**5127266**	ADAPTOR, 4,6,8V53			2	2	2							
2C	**9409073**	BOLT, 1/4"-20X5/8" (12.9001)								2				2
2C	**9409035**	BOLT, 3/8"-24X1" (12.9001)						2			2	2	2	
2C	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)												
		2.2290 - GEAR, FUEL PUMP DRIVE												
		A GEAR ASSY. INCLUDES BUSHING.												
2B	**5125767**	GEAR ASSY., 6,8V53				1	1							
2B	**5125768**	GEAR ASSY., 6V53			1									
	5196842	BUSHING (FINISHED)			1	1	1							
		2.2292 - HUB, FUEL PUMP DRIVE												
2B	**5125774**	HUB, 6,8V53			1	1	1							
2B	**9409203**	BOLT, 1/2"-13X2 3/4" (12.9001)			1	1	1							
2B	**5125771**	WASHER, THRUST (INNER)			2	2	2							
2B	**5126672**	WASHER, RETAINER			1	1	1							

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 144	145	147	148	151	152	155	156	158	159	160	162	164
		2.2001 - PUMP ASSY., FUEL													
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007, AND RED UCING BUSHING IN 2.2030.													
2A	**5146341**	# PUMP ASSY., 3,6V53 (L.H.) (3/8" INLET) (PAGE B1)	1	1											
2A	**5134714**	# PUMP ASSY., 4,6V53 (R.H.) (3/8" INLET) (PAGE A1)			1	1									
2A	**5146344**	# PUMP ASSY., 4,6,8V53 (L.H.) (3/8" INLET) (PAGE C1)					1	1							
2A	**5146698**	# PUMP ASSY., 3,6V53 (R.H.) (3/8" INLET) (PAGE C1)							1	1					
2A	**5146699**	% PUMP ASSY., 3, 4, 8V53 (L.H.) (3/8" INLET) (PAGE C1) (5108065)									1	1			
	5172926	* PUMP ASSY., 2-53 (AUXILIARY) (TUTHILL #00L1, C. C. W.)													1
	5101092	@ PUMP ASSY., 2-53 (AUXILIARY) (TUTHILL #00LA, C. C./C. C. W.)												1	1
2A	**5199560**	PUMP KIT, FUEL 6V53 (L.H.) (PAGE D1)	1	1											
2A	**5198875**	% PUMP KIT, FUEL 4, 6V53 (R.H.) (PAGE D1) (5199561)			1	1									
2A	**5199562**	% PUMP KIT, FUEL 8V53 (L.H.) (PAGE D1) (5199560)					1	1							
	5199561	PUMP KIT, FUEL 6V53 (R.H.) (PAGE D1)											1		
	5199734	PUMP KIT, FUEL 3,6V53 (R.H.) (PAGE D1)							1	1					
	5146393	BUSHING, 3/8"X1/2" RED. (INLET & OUTLET)												2	2
	8924380	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2	1		1	1	2		
	5131685	BOLT, 5/16 -18X7/8 (WITH NYLOC INSERT) (5.1031)	3	3	3	3	3	3	3	3	3	3	3		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)												2	2
	103322	LOCKWASHER, 7/16" (12.9200)												2	2
		# NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.													
		* REPLACED BY 5101092 PLUS (2) 5146393 BUSHINGS IN 2.2001.													
		@ SERVICE AS AN ASSY. ONLY. FOR COMPONENTS CONTACT TUTHILL PUMP CO., CHICAGO, ILLINOIS. FURNISH THEIR PART NUMBER.													
		% NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.													
		2.2004 - OVERHAUL KIT, FUEL PUMP													
	5195078	OVERHAUL KIT, 2,3,4,6,8V53 (1/4" DRIVEN GEAR)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.2007 - GASKET, FUEL PUMP TO ENGINE													
	5150193	GASKET, 3,4,6,8V53 (5.1)	1	1	1	1	1	1	1	1	1	1	1		
	5172915	GASKET, 4-53												1	1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 144	145	147	148	151	152	155	156	158	159	160	162	164
		2.2220 - FORK, FUEL PUMP COUPLING													
2A	**5102257**	FORK, 6,8V53	1			1	1		1			1	1		
2A	**5121398**	FORK, 3-53		1											
		2.2228 - DISC, FUEL PUMP DRIVE													
	5170450	PLATE, 2-53 (1.7630)												1	1
	5140814	SPACER, .20" THLS. (12.5015)													1
	5108836	STUD, 3/8"X1 3/4" (12.9117)												1	
	5145091	BOLT, 3/8"-24X1.38" (12.5015)												3	4
	9413533	NUT, 3/8"-24 SELF-LOCKING (12.9120)												1	
	5145431	NUT, 3/8"-24 (12.9120)												1	
		2.2230 - COUPLING, FUEL PUMP DRIVE													
2A	**5154216**	COUPLING, 3,4-53			1			1		1	1				
2A	**5109676**	COUPLING, 3,4-53												1	1
2A	**5143616**	COUPLING, 3-53													
		2.2235 - PLATE, FUEL PUMP MOUNTING													
2C	**5121050**	PLATE, 6V53							1						
		2.2260 - ADAPTOR, FUEL PUMP DRIVE													
2C	**5125775**	ADAPTOR, 6,8V53	1			1	1		1			1	1		
2C	**5127266**	ADAPTOR, 6V53												1	1
	5125179	ADAPTOR, 2-53													
2C	**9409073**	BOLT, 1/4-20X5/8" (12.9001)	2			2	2		2			2	2		
2C	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)												1	1
	179858	BOLT, 7/16"-14X1" (12.9001)												4	4
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)													
		2.2290 - GEAR, FUEL PUMP DRIVE													
		A GEAR ASSY. INCLUDES BUSHING.													
2B	**5125768**	GEAR ASSY., 6V53	1			1									
2B	**5125767**	GEAR ASSY., 8V53					1					1	1		
	5172916	GEAR, 2-53												1	1
2B	**5196842**	BUSHING (FINISHED)	1			1	1					1	1		
	106958	KEY, 1/16"X1/2"L. WOODRUFF (12.9350)												1	1
	140881	SCREW, #10-32X5/16" (12.9076)												1	1
		2.2292 - HUB, FUEL PUMP DRIVE GEAR													
2B	**5125774**	HUB, 6,8V53	1			1	1					1	1		
2B	**9409203**	BOLT, 1/2"-13X2 3/4" (12.9001)	1			1	1					1	1		
2B	**5125771**	WASHER, THRUST (INNER)	2			2	2					2	2		
2B	**5126672**	WASHER, RETAINER	1			1	1					1	1		

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 166	167	178	179	180	181	182	183	184	185	186
		2.2001 - PUMP ASSY., FUEL											
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007, AND RED UCING BUSHING IN 2.2030.											
	5146697	# PUMP ASSY., 6V53 (R.H.) (3/8" INLET) (PAGE C1)	1										
	5134714	# PUMP ASSY., 4-53 (R.H.) (3/8" INLET) (PAGE A1)		1									
	5108063	# PUMP ASSY., 3,4,6V53 (R.H.) (3/8" INLET) (PAGE C1)			1	1							
	5108064	# PUMP ASSY., 3,4,6V53 (L.H.) (3/8" INLET) (PAGE C1)					1	1		1	1	1	
	5108066	# PUMP ASSY., 6V53 (R.H.) (HI-CAP) (PAGE C1)							1				1
	5199561	PUMP KIT, FUEL 3,4,6V53 (PAGE D1)		1	1	1							
	5199560	PUMP KIT, FUEL 3,4,6V53 (PAGE D1)					1	1		1	1		
	5199734	PUMP KIT, FUEL 6V53 (PAGE D1)	1						1				1
	8924380	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	3	2	2
	5131685	BOLT, 5/16"-18 X 3/4" (WITH NYLOC INSERT) (5.1031)	3	3	3	3	3	3	3	3	3	3	3
		# NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.											
		2.2004 - OVERHAUL KIT, FUEL PUMP											
		INCLUDES ITEMS IN 2.2007, 2.2070, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.											
	5195078	OVERHAUL KIT, 2, 3, 4, 6, 8V53 (1/4" DRIVEN GEAR)	AR	AR	AR	AR	AR	AR		AR	AR	AR	
	5149599	OVERHAUL KIT, 6, 8V53 (3/8" DRIVEN GEAR)							AR				AR
		2.2007 - GASKET, FUEL PUMP TO ENGINE											
	5150193	GASKET, 3, 4, 6, 8V53 (5.1010)	1	1	1	1	1	1	1	1	1	1	1
		2.2220 - FORK, FUEL PUMP COUPLING											
2A	5102257	FORK, 6, 8V53	1			1		1	1	1	1	1	
2A	5121398	FORK, 3-53										1	
		2.2230 - COUPLING, FUEL PUMP DRIVE											
	5154216	COUPLING, 4-53		1	1		1						
		2.2235 - PLATE, FUEL PUMP MOUNTING											
2C	5121050	PLATE, 6V53 (4.5020)							1				
	8924380	PLUG, 1/8" PIPE (12.9550)							1				

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 166	167	178	179	180	181	182	183	184	185	186
		2.2260 - ADAPTOR, FUEL PUMP DRIVE											
2C	**5125775**	ADAPTOR, 6, 8V53	1			1		1		1	1		1
2C	**5127266**	ADAPTOR, 6V53							1				
2C	**9409073**	BOLT, 1/4"-20 X 5/8" (12.9001)	2			2		2		2	2		2
2C	**9409034**	BOLT, 3/8"-24 X 7/8" (2.1235)							2				
		2.2290 - GEAR, FUEL PUMP DRIVE											
		A GEAR ASSY. INCLUDES BUSHING.											
2B	**5125768**	GEAR ASSY., 6V53	1			1							1
	5125767	GEAR ASSY., 6,8V53						1		1	1		
		2.2292 - HUB, FUEL PUMP DRIVE GEAR											
2B	**5125774**	HUB, 6, 8V53	1			1		1		1	1		1
2B	**9409203**	BOLT, 1/2"-13 X 2 3/4" (12.9001)	1			1		1		1	1		1
2B	**5125771**	WASHER, THRUST (INNER)	2			2		2		2	2		2
2B	**5126672**	WASHER, RETAINER	1			1		1		1	1		1

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 190	191	192	193	194	195	196	199	202	219	224
		2.2001 - PUMP ASSY., FUEL											
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. A PUMP KIT INCLUDES A 3/8" INLET PUMP, GASKET IN 2.2007, AND RED UCING BUSHING IN 2.2030.											
	NPN	PUMP ASSY., CUSTOMER FURNISHED						1					
	5108063	# PUMP ASSY., 3, 4, 6V53 (R.H.) (3/8" INLET) (PAGE C1)	1									1	
	5108064	# PUMP ASSY., 3, 4, 6V53 (L.H.) (3/8" INLET) (PAGE C1)		1	1	1							
	5108066	# PUMP ASSY., 6V53 (R.H.) (HI-CAP) (PAGE C1)					1						
	5107676	PUMP ASSY., 6V53 (L.H.) (PAGE A1)									1		1
	5199561	PUMP KIT, FUEL 3, 4, 6V53 (PAGE D1)	1						1			1	
	5199560	PUMP KIT, FUEL 3, 4, 6V53 (PAGE D1)		1	1	1				1			
	5199734	PUMP KIT, FUEL 6V53 (PAGE D1)					1						
	5152716	COVER (3.4223)						1				1	
	8924749	PLUG, 1/8" PIPE (12.9550)	2	2	2	3	2		2	2	2	2	2
	5131685	BOLT, 5/16"-18 X 3/4" (5.1031)	3	3	3	3	3		3	3			
	8925603	BOLT, 5/16"-18X3/4" W/SEALANT (12.9001)									3	3	3
	186625	BOLT, 5/16"-18X7/8" (12.9001)										3	
	103320	LOCKWASHER, 5/16" (12.9200)										3	
		# NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE PUMP KIT SHOWN IN SAME TYPE.											
	5118219	BOLT ASSY., 5/16"-18X7/8"						3					
		2.2004 - OVERHAUL KIT, FUEL PUMP											
		INCLUDES ITEMS IN 2.2007, 2.2070, 2.2089, 2.2093, 2.2130, 2.2160 AND 2.2180.											
	5149599	OVERHAUL KIT, 6, 8V53 (3/8" DRIVEN GEAR)					AR				AR		AR
	5195078	OVERHAUL KIT, 2, 3, 4, 6, 8V53 (1/4" DRIVEN GEAR)	AR	AR	AR	AR			AR	AR		AR	
		2.2007 - GASKET, FUEL PUMP TO ENGINE											
	5150193	GASKET (5.1010)	1	1	1	1	1	1	1	1	1	2	1
		2.2220 - FORK, FUEL PUMP COUPLING											
2A	5102257	FORK	1	1	1	1	1	1	1	1	1	1	1
		2.2235 - PLATE, FUEL PUMP MOUNTING											
2C	5121050	PLATE, 3-53 (4.5020)								1		1	1
	8924380	PLUG, 1/8" PIPE (12.9550)								1			
	5120274	NUT, 5/16"-18 PLUG (5.3015)										3	3

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 190	191	192	193	194	195	196	199	202	219	224
		2.2260 - ADAPTOR, FUEL PUMP DRIVE											
2C	**5127266**	ADAPTOR								1		1	1
2C	**5125775**	ADAPTOR	1	1	1	1	1	1	1		1		
2C	**9409073**	BOLT, 1/4"-20 X 5/8" (12.9001)	2	2	2	2	2	2	2		2		2
2C	**9409034**	BOLT, 3/8"-24X7/8" LOCK (12.9001)								2		2	
2C	**9409035**	BOLT, 3/8"-24X1" LOCK (12.9001)								1		1	
	5140814	SPACER, .200" THK. (12.5015)											
		2.2290 - GEAR, FUEL PUMP DRIVE											
		A GEAR ASSY., INCLUDES BUSHING.											
2B	**5107087**	GEAR ASSY. (L.H. HELIX)	1		1		1		1		1		
2B	**5107088**	GEAR ASSY. (R.H. HELIX)		1		1		1					
		2.2292 - HUB, FUEL PUMP DRIVE											
2B	**5125774**	HUB	1	1	1	1	1	1	1		1		
2B	**9409203**	BOLT, 1/2"-13 X 2 3/4" (12.9001)	1	1	1	1	1	1	1		1		
2B	**5125771**	WASHER, THRUST (INNER)	2	2	2	2	2	2	2		2		
2B	**5126672**	WASHER, RETAINER	1	1	1	1	1	1	1		1		

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2001 - PUMP ASSY., FUEL														
2A	**5184531**	= PUMP ASSY., 2,3,4-53 (C,D ENG.) GEAR TYPE (1/4" INLET)	1													
2A	**5134705**	= PUMP ASSY., 2,3,4-53 (C,D ENG.) GEAR TYPE (3/8" INLET)		1												
2A	**5184532**	PUMP ASSY., 2,3,4-53 (A,B ENG.) GEAR TYPE (1/4" INLET)			1											
2A	**5134706**	= PUMP ASSY., 2,3,4-53 (A,B ENG.) GEAR TYPE (3/8" INLET)				1										
2A	**5109017**	= PUMP ASSY., 3,4,6,8V53 (R.H.) (1/4" INLET)					1									
2A	**5134716**	= PUMP ASSY., 3,4,6,8V53 (R.H.) (3/8" INLET)						1								
2A	**5126529**	= PUMP ASSY., 6,8V53 (L.H.) (1/4" INLET)							1							
2A	**5134717**	= PUMP ASSY., 6,8V53 (L.H.) (3/8" INLET)								1						
2A	**5111367**	* = PUMP ASSY., 2, 3, 4-53 (A, B ENG.) GEAR TYPE (1/4" INLET)									1					
2A	**5134714**	* = PUMP ASSY., 2,3,4-53 (A,B ENG.) GEAR TYPE (3/8" INLET)										1				
2A	**5107676**	PUMP ASSY., 4, 6V-53 (L.H.)											1			
		= NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		* USE WHEN FUEL TANK IS MOUNTED *HIGHER THAN FUEL PUMP.*														
		2.2010 - BODY, FUEL PUMP														
2A	**5109016**	* BODY, 3,4,6,8V53 (5113776) (1)					1	1								
2A	**5126528**	* BODY, 6,8V53 (5146337) (3)							1	1						
2A	**5177293**	* BODY, 2,3,4-53 (5146337) (1)	1	1												
2A	**5177292**	* BODY, 2,3,4,6,8V53 (5113776) (1)			1	1					1	1				
2A	**5146339**	BODY, 4, 6V53											1			
2A	**141195**	PIN, 1/4"X5/8" DOWEL (12.9290)	2	2	2	2	2	2	2	2	2	2	2			
		* NOT SERVICED; USE BODY AND QUANTITY OF 8924380 PLUG SHOWN IN PARENTHESES.														
		2.2030 - COVER, FUEL PUMP														
2A	**5174962**	* COVER, 2,3,4,6,8V53	1		1		1		1		1					
2A	**5134560**	COVER, 2,3,4,6,8V53	1	1						1			1			
2A	**5134628**	COVER, 2,3,4,6,8V53				1		1				1				
2A	**3719219**	BOLT, 1/4"-20X3/4" (WITH LOCKWASHER)	8	8	8	8	8	8	8	8	8	8	8			
		* NOT SERVICED; USE 5134560 FOR L.H. ROTATING PUMPS OR 5134628 FOR R.H. ROTATING PUMPS AND INCLUDE (1) 5198 558 REDUCING BUSHING IN 2.2030.														
		2.2070 - SEAL, FUEL PUMP OIL														
2A	**5107223**	SEAL (LIP TYPE)	2	2	2	2	2	2	2	2	2	2	2			
		2.2087 - GEAR, FUEL PUMP DRIVE														
	5174975	GEAR, 1/4"	1	1	1	1	1	1	1	1	1	1				
	5128217	GEAR, 3/8"											1			
	147481	BALL, 1/8" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1	1			

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2089 - SHAFT, FUEL PUMP DRIVEN														
		A SHAFT ASSY. INCLUDES GEAR WHICH IS NOT SOLD SEPARATELY.														
2A	**5181747**	SHAFT	1	1	1	1	1	1	1	1	1	1				
2A	**5100313**	SHAFT ASSY., 4,6V53											1			
		2.2093 - SHAFT, FUEL PUMP DRIVE														
		A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.														
2A	**5181746**	SHAFT ASSY. (DRIVE)	1	1	1	1	1	1	1	1	1	1				
	5146705	SHAFT ASSY. (DRIVE)											1			
	5178700	SHAFT (DRIVE)	1	1	1	1	1	1	1	1	1	1	1			
		2.2130 - VALVE ASSY., FUEL PUMP														
2A	**5174973**	VALVE	1	1	1	1	1	1	1	1	1	1	1			
2A	**103709**	PIN, 5/32"X1" STRAIGHT (12.9300)	1	1	1	1	1	1	1	1	1	1	1			
		2.2160 - SPRING, FUEL PUMP VALVE RETAINING														
2A	**5184530**	SPRING	1	1	1	1	1	1	1	1	1	1	1			
		2.2170 - PLUG, FUEL PUMP VALVE														
2A	**5174971**	PLUG	1	1	1	1	1	1	1	1	1	1	1			
		2.2180 - GASKET, FUEL PUMP VALVE PLUG														
2A	**5161003**	GASKET	1	1	1	1	1	1	1	1	1	1	1			

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2001 - PUMP ASSY., FUEL														
2A	**5111366**	= PUMP ASSY., 2, 3, 4-53 (C, D ENG.) GEAR TYPE (1/4" INLET)	1													
2A	**5134715**	= PUMP ASSY., 2, 3, 4-53 (C, D ENG.) GEAR TYPE (3/8" INLET)		1												
2A	**5128212**	= PUMP ASSY., 6V53 (R.H.) (3/8" INLET)			1											
2A	**5108519**	= PUMP ASSY., 6V553 (R.H.) (1/4" INLET) (HIGH CAPACITY)				1										
2A	**5134703**	= PUMP ASSY., 6,8V53 (R.H.) (3/8" INLET)					1									
2A	**5136276**	= PUMP ASSY., 8V53 (L.H.) (3/8" INLET)						1								
	5140102	@ = PUMP ASSY., 6V53 (R.H.) (3/8" INLET)							1							
2A	**5134701**	@ = PUMP ASSY., 6V53 (L.H.) (3/8" INLET)								1						
2A	**5134702**	@ = PUMP ASSY., 3, 6V53 (R.H.) (3/8" INLET)									1					
2A	**5146341**	= PUMP ASSY., 4,6V53 (L.H.) (3/8" INLET)										1				
		= NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		@ USE WHEN FUEL TANK IS MOUNTED HIGHER THAN FUEL PUMP.														
		2.2010 - BODY, FUEL PUMP														
2A	**5128826**	# BODY ASSY., 6V53 (INCLUDES DRIVEN GEAR SHAFT WHICH IS NOT SOLD SEPARATELY)			1											
2A	**5177293**	* BODY, 2, 3, 4-53 (5146337) (1)	1	1												
2A	**5100310**	* BODY, 6, 8V53 (5146338) (1)				1	1		1							
2A	**5126528**	* BODY, 8V53 (5146337) (3)						1								
2A	**5135049**	* BODY, 6V53 (LUBRITED) (5146682) (1)								1						
2A	**5135048**	* BODY, 3, 6V53 (LUBRITED) (5146338) (1)									1					
2A	**5146337**	BODY,4,6V53										1				
2A	**141195**	PIN, 1/4"X5/8" DOWEL (12.9290)	2	2		2	2	2	2	2	2	2				
		# NOT SERVICED; SUPERSEDED BY 5199734 PLUS 1-8924380 PLUG AND 1-5198559 BUSHING.														
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND QUANTITY OF 8924380 PLUG SHOWN IN PARENTHESES.														
		2.2030 - COVER, FUEL PUMP														
2A	**5174962**	* COVER, 2,3,4,6,8V53	1			1										
2A	**5134560**	COVER, 2,3,4,6,8V53		1				1				1				
2A	**5128219**	@ COVER, 6V53 (5108519)			1											
2A	**5134628**	COVER, 6,8V53					1		1							
2A	**5134708**	COVER, 6V53								1						
2A	**5134707**	+ COVER, 3,6V53									1					
2A	**3719219**	BOLT, 1/4"-20X3/4" (WITH LOCKWASHER)	8	8	4	8	8	8				8				
2A	**179803**	BOLT, 1/4"-20X1 3/4" (12.9001)			4											
2A	**103319**	LOCKWASHER, 1/4" (12.9200)			4											
		* NOT SERVICED; USE 5134560 FOR L.H. ROTATING PUMPS OR 5134628 FOR R.H. ROTATING PUMPS AND INCLUDE 1-519855 8 REDUCING BUSHING.														
		@ NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS 2-193004.														
		+ OBSOLETE														

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2035 - VALVE ASSY., FUEL PUMP CHECK														
	9417463	PIN (12.9275)								1	1					
	5134674	PLUG, 3/8" SPECIAL (2.2170)								1	1					
	5134673	BALL, 1/4" NYLON (2.2130)								1	1					
	5152148	WASHER, 3/8"X9/16" SEAL (2.4050)								1	1					
		2.2070 - SEAL, FUEL PUMP OIL														
2A	**5107223**	SEAL (LIP TYPE)	2	2	2	2	2	2	2	2	2	2				
		2.2087 - GEAR, FUEL PUMP DRIVE														
	5174975	GEAR, 1/4"	1	1				1				1				
	5128217	GEAR, 3/8"			1	1	1		1	1	1		1			
	147481	BALL, 1/8" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1				
		2.2088 - GEAR, FUEL PUMP DRIVEN														
	5124529	+ GEAR			1											
		+ OBSOLETE.														
		2.2089 - SHAFT, FUEL PUMP DRIVEN														
		A SHAFT ASSY. INCLUDES GEAR WHICH IS NOT SOLD SEPARATELY.														
2A	**5181747**	SHAFT ASSY., 2,3,4,6,8V53	1	1				1				1				
2A	**5100313**	SHAFT ASSY., 6,8V53				1	1		1							
2A	**5135040**	SHAFT ASSY., 3,6V53								1	1					
		2.2093 - SHAFT, FUEL PUMP DRIVE														
		A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.														
2A	**5181746**	SHAFT ASSY., 2,3,4,6,8V53 (DRIVE)	1	1				1				1				
2A	**5128216**	% SHAFT ASSY., 6V53 (DRIVE)			1											
2A	**5100314**	+ SHAFT ASSY., 6,8V53 (DRIVE) (5146705)				1	1		1							
2A	**5135039**	SHAFT ASSY., 3,6V53 (DRIVE)								1	1					
	5178700	SHAFT, 2,3,4,8V53 (DRIVE)	1	1				1				1				
	5108444	+ SHAFT, 3,6,8V53 (DRIVE) (5178700)			1	1	1		1	1	1		1			
2A	**5146705**	SHAFT ASSY., 4,6V53 (DRIVE)														
		% NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		+ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.														
		2.2130 - VALVE ASSY., FUEL PUMP														
2A	**5174973**	VALVE	1	1	1	1	1	1	1	1	1	1				
2A	**103709**	PIN, 5/32"X1" STRAIGHT (12.9300)	1	1	1	1	1	1	1	1	1	1				
		2.2160 - SPRING, FUEL PUMP VALVE RETAINING														
2A	**5184530**	SPRING	1	1	1	1	1	1	1	1	1	1				

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2170 - PLUG, FUEL PUMP VALVE														
2A	**5174971**	PLUG	1	1	1	1	1	1	1	1	1	1				
		2.2180 - GASKET, FUEL PUMP VALVE PLUG														
2A	**5161003**	GASKET	1	1	1	1	1	1	1	1	1	1				

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2001 - PUMP ASSY., FUEL														
2A	**5146340**	* PUMP ASSY., 2,3,4,6V53 (R.H.) (3/8" INLET)	1													
2A	**5146342**	* PUMP ASSY., 6,8V53 (R.H.) (3/8" INLET)		1												
2A	**5146697**	* PUMP ASSY., 6V53 (R.H.) (3/8" INLET)			1											
2A	**5146344**	* PUMP ASSY., 4,6,8V53 (L.H.) (3/8" INLET)				1										
2A	**5146698**	* PUMP ASSY., 3,6V53 (R.H.) (3/8" INLET)					1									
2A	**5146699**	* PUMP ASSY., 3, 4, 8V53 (L.H.) (3/8" INLET)						1								
	5108063	* PUMP ASSY., 3,4-53 (3/8" INLET)							1							
	5108064	* PUMP ASSY., 3, 4-53 (3/8" INLET)								1						
	5108066	* PUMP ASSY., 6V53 (3/8" INLET)									1					
	5146704	* PUMP ASSY., 6V53 (3/8" INLET)										1				
		* NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		2.2010 - BODY, FUEL PUMP														
2A	**5113776**	BODY, 2,3,4,6,8V53	1						1							
2A	**5146338**	BODY, 6,8V53		1	1		1				1	1				
2A	**5146337**	BODY, 2,3,4,6,8V53				1		1		1						
2A	**5146682**	BODY, 3,4,8V53								1	1	1				
	8924380	PLUG, 1/8" PIPE (12.9550)								2	2	2				
2A	**141195**	PIN, 1/4"X5/8" DOWEL (12.9290)	2	2	2	2	2	2	2							
		2.2030 - COVER, FUEL PUMP														
2A	**5134628**	COVER, 2,3,4,6,8V53	1	1	1				1		1					
2A	**5134560**	COVER, 2,3,4,6,8V53				1				1						
2A	**5134707**	+ COVER, 3,6V53					1									
2A	**5134708**	COVER, 3,4,8V53						1								
	5100301	COVER, 6V53										1				
2A	**3719219**	BOLT, 1/4"-20X3/4" (WITH LOCKWASHER)	8	8	8	8	8		8	8	8	8				
		+ OBSOLETE.														
		2.2035 - VALVE ASSY., FUEL PUMP CHECK														
	9417463	PIN (12.9275)					1	1				1				
	5134674	PLUG, 3/8" SPECIAL (2.2170)					1	1				1				
	5134673	BOLT, 1/4" NYLON (2.2130)					1	1				1				
	5152148	WASHER, 3/8"X9/16" SEAL (2.4050)					1	1								
		2.2070 - SEAL, FUEL PUMP OIL														
2A	**5107223**	SEAL (LIP TYPE)	2	2	2	2	2	2	2	2	2	2				
		2.2087 - GEAR, FUEL PUMP DRIVE														
	5174975	GEAR, 1/4" 2,3,4,6,8V53	1			1			1	1		1				
	5128217	GEAR, 3/8" 6,8V53		1	1						1					
	147481	BALL, 1/8" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1				

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2089 - SHAFT, FUEL PUMP DRIVEN														
		A SHAFT ASSY. INCLUDES GEAR WHICH IS NOT SERVICED SEPARATELY.														
2A	**5181747**	SHAFT, 2,3,4,6,8V53	1			1			1	1		1				
2A	**5100313**	SHAFT ASSY., 6,8V53		1	1						1					
2A	**5135040**	SHAFT ASSY., 3,4,6,8V53					1	1								
		2.2093 - SHAFT, FUEL PUMP DRIVE														
		A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.														
2A	**5181746**	SHAFT ASSY., 2,3,4,6,8V53 (DRIVE)	1			1			1	1		1				
	5178700	SHAFT, 2,3,4,6,8V53 (DRIVE)	1	1	1	1			1	1	1	1				
2A	**5146705**	SHAFT ASSY., 6,8V53 (DRIVE)		1	1						1					
2A	**5146706**	SHAFT ASSY., 3,4,6,8V53 (DRIVE) (SERVICED AS ASSEMBLY ONLY)					1	1								
		2.2130 - VALVE ASSY., FUEL PUMP														
2A	**5174973**	VALVE	1	1	1	1	1	1	1	1	1	1				
2A	**103709**	PIN, 5/32"X1" STRAIGHT (12.9300)	1	1	1	1	1	1	1	1	1	1				
		2.2160 - SPRING, FUEL PUMP VALVE RETAINING														
2A	**5184530**	SPRING	1	1	1	1	1	1	1	1	1	1				
		2.2170 - PLUG, FUEL PUMP VALVE														
2A	**5174971**	PLUG	1	1	1	1	1	1	1	1	1	1				
		2.2180 - GASKET, FUEL PUMP VALVE PLUG														
2A	**5161003**	GASKET	1	1	1	1	1	1	1	1	1	1				

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2001 - PUMP ASSY., FUEL														
	5198874	% PUMP KIT, FUEL 2,3,4,6V53	1													
	5199561	PUMP KIT, FUEL 6V53		1												
	5199560	PUMP KIT, FUEL 6V53			1											
	5198875	% PUMP KIT, FUEL 2,3,4-53				1										
	5199562	% PUMP KIT, FUEL 2,3,4,6V,8V53					1									
	5199734	PUMP KIT, FUEL 6,8V53						1								
2A	**5198318**	% PUMP KIT, FUEL 2,3,4-53							1							
2A	**5198876**	% PUMP KIT, FUEL 2,3,4-53								1						
2A	**5197769**	% PUMP KIT, FUEL 3,4,6,8V53									1					
2A	**5198729**	% PUMP KIT, FUEL 6,8V53										1				
		% NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		2.2007 - GASKET, FUEL PUMP TO ENGINE														
2A	**5150193**	GASKET (5.1010)	1	1	1	1	1	1	1	1	1	1				
		2.2010 - BODY, FUEL PUMP														
2A	**5146337**	BODY, 2,3,4,6,8V53	1		1		1		1			1				
2A	**5113776**	BODY, 2,3,4,6V53		1		1				1	1					
2A	**5146338**	BODY, 8V53						1								
2A	**8924380**	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2				
2A	**141195**	PIN, 1/4" X 5/8" DOWEL (12.9290)	2	2	2	2	2	2	2	2	2	2				
		2.2030 - COVER, FUEL PUMP														
2A	**5134560**	COVER, 2,3,4,6,8V53	1		1		1		1			1				
2A	**5134628**	COVER, 2,3,4,6,8V53		1		1		1		1	1					
2A	**5198558**	BUSHING, 3/8" X 1/4"	1	1	1	1	1	1	1	1	1	1				
2A	**3719219**	BOLT, 1/4"-20 X 3/4" (WITH LOCKWASHER)	8	8	8	8	8	8	8	8	8	8				
		2.2070 - SEAL, FUEL PUMP OIL														
2A	**5107223**	SEAL	2	2	2	2	2	2	2	2	2	2				
		2.2087 - GEAR, FUEL PUMP DRIVE														
2A	**5174975**	GEAR, 1/4" 2,3,4,6,8V53	1	1	1	1	1		1	1	1	1				
2A	**5128217**	GEAR, 3/8" 8V53						1								
2A	**147481**	BALL, 1/8" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1				
		2.2089 - SHAFT, FUEL PUMP DRIVEN														
		A SHAFT ASSY. INCLUDES GEAR WHICH IS NOT SOLD SEPARATELY.														
2A	**5181747**	SHAFT ASSY., 2,3,4,6,8V53	1	1	1	1	1		1	1	1	1				
2A	**5100313**	SHAFT ASSY., 8V53						1								
		2.2093 - SHAFT, FUEL PUMP DRIVE														
		A SHAFT ASSY. INCLUDES SHAFT IN 2.2093 AND ITEMS IN 2.2087.														
2A	**5181746**	SHAFT ASSY., 2,3,4,6,8V53 (DRIVE)	1	1	1	1	1		1	1	1	1				

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2.2000 FUEL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.2093 - SHAFT, FUEL PUMP DRIVE (CONT'D)														
2A	**5178700**	SHAFT, 2,3,4,6,8V53 (DRIVE)	1	1	1	1	1	1	1	1	1	1				
2A	**5146705**	SHAFT ASSY., 8V53 (DRIVE)						1								
		2.2130 - VALVE ASSY., FUEL PUMP														
2A	**5174973**	VALVE	1	1	1	1	1	1	1	1	1	1				
2A	**103709**	PIN, 5/32" X 1" STRAIGHT (12.9300)	1	1	1	1	1	1	1	1	1	1				
		2.2160 - SPRING, FUEL PUMP VALVE RETAINING														
2A	**5184530**	SPRING	1	1	1	1	1	1	1	1	1	1				
		2.2170 - PLUG, FUEL PUMP VALVE														
2A	**5174971**	PLUG	1	1	1	1	1	1	1	1	1	1				
		2.2180 - GASKET, FUEL PUMP VALVE PLUG														
2A	**5161003**	GASKET	1	1	1	1	1	1	1	1	1	1				

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2.2000A FUEL, PUMP DRAIN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10
		2.2300 - TUBE ASSY., FUEL PUMP DRAIN	
	5132105	* TUBE ASSY., 2-53 (DEV. L. 14.38")	1
	431537	CONNECTOR, 3/16" INV. FL. TUBE 1/8" P.T. (12.9460)	1
		* OBSOLETE.	
		2.2320 - CLIP, FUEL PUMP DRAIN TUBE	
	5176668	CLIP (1.1100)	1

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 157	161	162	163	174	176	177	181	185	188	189	190
		2.3001 - STRAINER ASSY., FUEL												
		FOR TYPE 178 USE TYPE 181. SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5182041	* STRAINER ASSY. (6")	1		1	1		1	1	1	1	1		
3C	**5575568**	= STRAINER ASSY. (6") (T-60)	1		1	1		1	1	1	1	1	1	1
3D	**25010776**	? CARTRIDGE (SPIN ON) (T-915)						1	1		1		1	
3D	**5148023**	? COVER (SPIN ON)						1	1		1		1	
	5182086	+ DECAL (WITH 5182041 STRAINER)	1		1	1		1	1	1	1	1		
	5575197	+ DECAL (WITH 5575568 STRAINER)	1		1	1		1	1	1	1	1	1	1
3D	**25010782**	+ ? DECAL (SPIN ON) (T-915) (2.3010)						1	1		1		1	
	5105047	+ DECAL (WITH 5575568 STRAINER) (PORTUGUESE)	1		1	1		1	1	1	1	1	1	1
	5136132	ADAPTOR (.070 RESTRICATION) (2.5210)							1					
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)				1								
	118755	ELBOW, 3/8 X90 DEG. FL. TUBE (12.9390)							1					
	114674	SCREW, 3/8"-16X1 1/4" FL. HD. SL. (12.9030)								2				
	5121182	PLUG, 1/4" PIPE (2.4015)	3						2	2		3	2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2		2	2		2						
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)									2			
	103341	WASHER, 3/8" (12.9190)	2									2		
	103321	LOCKWASHER, 3/8" (12.9200)	2			2		2		2	2			
	102635	NUT, 3/8"-16 (12.9120)								2				
	117049	NUT, 3/8"-24 (12.9120)									2			
		* THRU 2D-1620, 3D-058, 4D-182; ASSY. NOT SERVICED, COMPONENTS AVAILABLE. FOR COMPLETE REPLACEMENT USE 5575568.												
		= EFFECTIVE WITH 2D-1621, 3D-059 AND 4D-183.												
		? EFFECTIVE WITH 3D-100729, 4D-88702, 6D-91962 AND 8D-5553.												
		+ OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	5138051	BRACKET								1				
	5125282	BRACKET									1			
	5131978	WASHER, .53" I.D. X 1.00" O.D. (1.5001)									1			
	5121182	PLUG, 1/4" PIPE (2.4015)								1				
	5145014	PLUG, 3/8" PIPE (12.9550)								1				
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)									2			
		2.3310 - *FILTER ASSY., FUEL*												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	**5573949**	FILTER ASSY. (4") (T-58)	1		1	1				1		1		1
3B	**5121370**	FILTER ASSY. (5")		1			1							

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 157	161	162	163	174	176	177	181	185	188	189	190
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
3B	5574533	FILTER ASSY. (8")						1	1		1		1	
3D	25010778	CARTRIDGE (SPIN ON) (TP-916)						1	1		1		1	
3D	5148171	COVER (SPIN ON)						1	1		1		1	
	5574083	% DECAL	1		1	1						1		1
	5121371	% DECAL		1			1							
	5574516	% DECAL						1	1		1		1	
	25010782	% DECAL (SPIN ON) (TP-916) (2.3320)						1	1		1		1	
	5105046	% DECAL (PORTOGUESE)	1			1				1		1		1
	5121182	PLUG, 1/4" PIPE (2.4015)	2						2	2		3	2	
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2		2						2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2			2			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2						
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	2			2		2		2		2		
	103341	WASHER, 3/8" (12.9190)	2		2					2		2		
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	2	2	2		2	2	2	2	
	102635	NUT, 3/8"-16 (12.9120)					2						2	
	117049	NUT, 3/8"-24 (12.9120)	2			2		2		2		2		
		% OBSOLETE.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5122568	BRACKET			1									
	5123834	BRACKET					1							
	5100953	* BRACKET											1	
	5121480	@ BRACKET											1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)											1	
	179839	BOLT, 3/8"-16X1" (12.9001)			2		2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2	
	103341	WASHER, 3/8" (12.9190)			2								2	
	103321	LOCKWASHER, 3/8" (12.9200)			AR		AR						AR	
		* WITH AIR COMPRESSOR TYPE 376.												
		@ WITH NO AIR COMPRESSOR, OR ANY COMPRESSOR EXECPT TYPE 376.												

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	215	216	221	223	228	229	230	237	238	242	244
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
3C	5575568	= STRAINER ASSY. (6") (T-60)		1	1	1	1	1		1	1	1		
3D	25010776	? CARTRIDGE (SPIN ON) (T-915)			1	1		1		1		1		
3D	5148023	? COVER (SPIN ON)			1	1		1		1		1		
	5575197	* DECAL (WITH 5575568 STRAINER)		1	1	1	1	1		1	1	1	1	1
3D	25010781	? * DECAL (SPIN ON) (T-915) (2.3010)			1	1		1		1		1		
	5105047	* DECAL (WITH 5575568 STRAINER) (PORTUGUESE)		1	1	1	1	1		1	1	1	1	1
	444692	PLUG, 1/4" (12.9550)		2										
	5121182	PLUG, 1/4" PIPE (2.4015)		2	2					2	2	2		
	179839	BOLT, 3/8"-16X1" (12.9001)		1										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2									
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2								
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		2										
	100030	BOLT, 3/8"-24X2" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2				2				
	102635	NUT, 3/8"-16 (12.9120)			2	2								
	117049	NUT, 3/8"-24 (12.9120)								2				
		= EFFECTIVE WITH 2D-1621, 3D-059 AND 4D-183.												
		? EFFECTIVE WITH 3D-100729, 4D-88702, 6D-91962 AND 8D-5553.												
		* OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	5167429	BRACKET				1								
	5129312	PLATE		1										
	179839	BOLT, 3/8"-16X1" (12.9001)				2								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		2		2								
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	5573949	FILTER ASSY. (4") (T-58)		1			1		1		1		1	1
3B	5121370	FILTER ASSY. (5")	1											
3B	5574533	FILTER ASSY. (8")			1	1		1		1		1		
3D	25010778	CARTRIDGE (SPIN ON) (TP-916)			1	1		1		1		1		
3D	5148171	COVER (SPIN ON)			1	1		1		1		1		
	5574083	+ DECAL					1		1		1		1	1
	5121371	+ DECAL	1											
	25010782	+ DECAL (TP-916) (2.3320)			1	1		1		1		1		
	5574516	+ DECAL			1	1	1	1		1		1		
	5105046	+ DECAL (PORTUGUESE)					1		1		1		1	1
	5121182	PLUG, 1/4" PIPE (2.4015)		2	2					2	2	2		

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 208	215	216	221	223	228	229	230	237	238	242	244
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2		2				2			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				2		2				2		
	186627	BOLT, 3/8"-24X1" (12.9001)												2
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)		2										
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)							2				2	
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2	2	2	2		2	2	2	2
	102635	NUT, 3/8"-16 (12.9120)				2	2	2				2		
	117049	NUT, 3/8"-24 (12.9120)		2	2				2				2	
		+ OBSOLETE.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5121480	* BRACKET			1									
	5129229	BRACKET				1						1		
	5128664	@ BRACKET					1							
	5129243	BRACKET						1						
	5109228	BRACKET											1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)			1									
	179838	BOLT, 3/8"-16X7/8" (12.9001)						1						
	179839	BOLT, 3/8"-16X1" (12.9001)											3	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2						
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)				2						2		
	106340	@ BOLT, 1/2"-13X7/8" (12.9001)					2							
	103341	WASHER, 3/8" (12.9190)			2									
	106265	WASHER, 1/2" (12.9190)				AR								
	103321	LOCKWASHER, 3/8" (12.9200)			AR			AR					AR	
	103323	LOCKWASHER, 1/2" (12.9200)					2							
		* WITH NO AIR COMPRESSOR, OR ANY COMPRESSOR EXCEPT TYPE 376.												
		@ NOT REQUIRED ON TURBOCHARGED ENGINE, TYPE 223.												
		2.3570 - GASKET, FUEL FILTER MOUNTING BRACKET												
	5116242	GASKET (TO THERM. HOUSING) (1.2044)						1						
	5175882	GASKET (TO HEAD) (4.4115)						1						

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 245	247	250	255	256	258	260	264	268	273	274	275
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
48	5575568	STRAINER ASSY. (6") (T-60)		1	1	1	1			1	1	1	1	1
	5575197	% DECAL		1	1	1	1	1		1	1	1	1	1
	5105047	% DECAL (PORTUGUESE)		1	1	1	1	1		1	1	1	1	1
	5121182	PLUG, 1/4" PIPE (2.4015)					2	2						2
	5145014	PLUG, 3/8" PIPE SQ. HD. (12.9550)												1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2		2			2		2		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									2			
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)			AR		2			2	AR	AR		
	123221	NUT, 3/8"-16 (12.9120)			2		2			2	2	2		2
	117049	NUT, 3/8"-24 (12.9120)												2
		% OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	5109645	BRACKET			1									
	5129229	BRACKET					1							
	5130863	BRACKET								1				
	5130235	BRACKET									1			
	5131093	BRACKET										1		
	5100707	BRACKET												1
	5177000	SPACER (7.1598)								2				
	179816	BOLT, 5/16"-18X3/4" (12.9001)									2			
	186121	BOLT, 3/8"-16X3/4" (12.9001)			2							2		
	179839	BOLT, 3/8"-16X1" (12.9001)												2
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)								2				
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)					2							
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	103321	LOCKWASHER, 3/8" (12.9200)			2					AR		2		2
	103323	LOCKWASHER, 1/2" (12.9200)					2							
		2.3270 - GASKET, FUEL STRAINER MOUNTING BRACKET												
	5116242	GASKET												1
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	5574533	FILTER ASSY. (8") (T-65)	1				1	1					1	1
3B	5573949	FILTER ASSY. (4") (T-58)			1	1			1	1	1	1		
3D	25010778	* CARTRIDGE (SPIN ON) (TP-916)	1				1	1					1	1
3D	5148171	* COVER (SPIN ON)	1				1	1					1	1
	5574516	% DECAL	1				1	1					1	1

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 245	247	250	255	256	258	260	264	268	273	274	275
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
	25010782	% * DECAL (SPIN ON) (TP-916) (2.3320)	1				1	1					1	1
	5574083	% DECAL			1	1			1	1	1	1		
	5105046	% DECAL (PORTUGUESE)			1	1			1	1	1	1		
	5121182	PLUG, 1/4" PIPE (2.4015)	2				2	2						2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2				2						1	2
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)												
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)			2	2			2	2	2	2		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)											1	
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	2	2		2	2	2	2	2	2
	102635	NUT, 3/8"-16 (12.9120)	2				2							
	117049	NUT, 3/8"-24 (12.9120)			2	2			2	2	2	2	2	2
		* EFFECTIVE WITH 3D-100729, 4D-88702, 6D-91962 AND 8D-5553.												
		% OBSOLETE.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5109450	BRACKET	1											
	5162798	BRACKET					1							
	5109228	BRACKET							1					
	5131379	BRACKET (TO HEAD)											1	
	5131309	* BRACKET (SPACER)											1	
	5100953	BRACKET												1
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1										1	
	179839	BOLT, 3/8"-16X1" (12.9001)							3					2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2										2	
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)											2	
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)					2							
	103321	LOCKWASHER, 3/8" (12.9200)	AR						AR				AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)					2							
	117049	NUT, 3/8"-24 (12.9120)											2	
		* NOT SERVICED. CUSTOMER TO FABRICATE.												
		2.3570 - GASKET, FUEL FILTER MOUNTING BRACKET												
	5116242	GASKET (1.2044)	1										1	1
	5175882	GASKET (4.4115)	1										1	

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 280	291	294	295	296	299	301	303	313	316	319	321
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
4B	5575568	STRAINER ASSY. (6") (T-60)	1			1	1		1	1	1			
4B	5575824	STRAINER ASSY. (8") (T-67)			1							1		
4B	6436075	STRAINER ASSY. (8") (T-74)											1	1
3D	25010776	CARTRIDGE (SPIN ON) (T-915)											1	1
3D	5148023	COVER (SPIN ON)											1	1
	5575197	% DECAL	1				1		1	1	1			
	5575062	% DECAL			1							1		
	25010781	% DECAL (T-915) (2.3010)											1	1
	6436060	% DECAL											1	1
	5105047	% DECAL (PORTUGUESE)	1				1		1	1	1			
	5121182	PLUG, 1/4" PIPE (2.4015)	2				2							
	114674	SCREW, 3/8"-16X1 1/4" FL. HD. (12.9010)				1								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							1					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				1								
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							1					
	103341	WASHER, 3/8" (12.9190)				2								
	103321	LOCKWASHER, 3/8" (12.9200)				2			AR					
	102635	NUT, 3/8"-16 (12.9120)				1								
	117049	NUT, 3/8"-24 (12.9120)							1					
		% OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	5132969	BRACKET (2.3530)				1								
	5133557	BRACKET							1					
	179839	BOLT, 3/8"-16X1" (12.9001)							1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)	2			AR								
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	5574533	FILTER ASSY. (8") (T-65)	1	1	1		1			1		1	1	1
3B	5573949	FILTER ASSY. (4") (T-58)				1			1		1			
3B	5575824	FILTER ASSY. (8") (T-67)					1							
3D	25010778	* CARTRIDGE (SPIN ON) (TP-916)	1	1	1		1			1			1	1
3D	5148171	* COVER (SPIN ON)	1	1	1		1			1			1	1
	5574516	% DECAL	1	1				1		1			1	1
	25010782	% DECAL (TP-916) (2.3320)	1	1	1		1			1		1	1	1
	5574083	% DECAL				1			1		1			
	5575062	% DECAL			1		1					1		
	5105046	% DECAL (PORTUGUESE)				1			1		1			
	5121182	PLUG, 1/4" PIPE (2.4015)	2		2		2	2				2	2	
	5154453	PLUG, 3/8"-16 SPECIAL											1	

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2.3000A FUEL FILTER

PART NUMBER	NAME AND DESCRIPTION	TYPES 280	291	294	295	296	299	301	303	313	316	319	321
	2.3310 - FILTER ASSY., FUEL (CONT'D)												
114674	SCREW, 3/8"-16X1 1/4" FL. HD. (12.9030)				2								
186679	BOLT, 3/8"-16X1 1/4" (12.9001)											2	2
186628	BOLT, 3/8"-16X1 1/2" (12.9001)											2	
179844	BOLT, 3/8"-16X1 5/8" (12.9001)		2										
5157244	BOLT, 3/8"-16X1 3/4" (12.9001)			2									
181365	BOLT, 3/8"-24X1 1/8" (12.9001)								2				
181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2								2			
181371	BOLT, 3/8"-24X1 3/8" (12.9001)						2						
181374	BOLT, 3/8"-24X1 1/2" (12.9001)							2					
103341	WASHER, 3/8" (12.9190)											2	
103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2		2	2	2	2		2	2
102635	NUT, 3/8"-16 (12.9120)		2	2	2							2	2
117049	NUT, 3/8"-24 (12.9120)	2					2	2	2	2			
	* EFFECTIVE WITH 3D-100729, 4D-88702, 6D-91962 AND 8D-5553.												
	% OBSOLETE												
	2.3530 - BRACKET, FUEL FILTER MOUNTING												
5100953	BRACKET	1											
5109921	BRACKET		1										
5131411	BRACKET			1									
5121173	BRACKET (2.3260)				1								
5129243	BRACKET						1					1	
5133126	BRACKET								1				
5127825	BRACKET									1			
5134273	BRACKET												1
5196119	SPACER, 13/32" I.D. X 7/8" L. (3.4001)		2										
5121182	PLUG, 1/4" PIPE SKT. HD. (2.4015)				1								
179816	BOLT, 5/16"-18X3/4" (12.9001)				2								
179837	BOLT, 3/8"-16X3/4" (12.9001)			1									
179838	BOLT, 3/8"-16X7/8" (12.9001)									2			
179839	BOLT, 3/8"-16X1" (12.9001)	2											1
186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			2			1						
5104599	BOLT, 3/8"-16 X 1.13" W/SEAL PATCH (12.9001)											1	
186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2									
454906	BOLT, 3/8"-16X1 1/2" (12.9001)						2						
427588	BOLT, 3/8"-16X2 1/2" (12.9001)												2
180175	BOLT, 1/2"-13X1 1/4" (12.9001)								2				
103341	WASHER, 3/8" (12.9010)			2									
103320	LOCKWASHER, 5/16" (12.9260)				2								
103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR			AR			AR		AR	AR
103323	LOCKWASHER, 1/2" (12.9200)								2				
102635	NUT, 3/8"-16 (12.9120)		2										
	2.3570 - GASKET, FUEL FILTER MOUNTING BRACKET												
5116242	GASKET (1.2044)											1	

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3231	3234	3235	3236	3237	3238	3239	3330	3411	3433	3466	3499
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
3C	6436075	STRAINER ASSY. (8") (T-74)	1	1	1	1	1	1	1		1	1		
	5577342	STRAINER ASSY. (TL-70)			1									
3C	5575568	STRAINER ASSY. (6") (T-60)								1			1	1
3D	25010776	* CARTRIDGE (SPIN ON) (T-915)	1	1	1	1	1		1		1	1		
3D	5148023	* COVER (SPIN ON)	1	1	1	1	1		1		1	1		
	6436060	% DECAL	1	1	1	1	1	1	1		1	1		
	25010781	% * DECAL (T-915) (2.3010)	1	1	1	1	1		1		1	1		
	5577249	% DECAL			1									
	5575197	% DECAL								1			1	1
	5105047	% DECAL (PORTUGUESE)								1			1	1
	5145014	PLUG, 3/8" PIPE (12.9550)	2	2	2				2	2	2	2		
	5121182	PLUG, 1/4" PIPE (2.4015)		3						2				
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)		4										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							2	2				
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)											2	
	103341	WASHER, 3/8" (12.9190)		4										
	103321	LOCKWASHER, 3/8" (12.9200)		4					2	2				
	102635	NUT, 3/8"-16 (12.9120)		4					2	2				
		* EFFECTIVE WITH 3D-100729, 4D-88702, 6D-91962 AND 8D-5553.												
		% OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	5167429	BRACKET							1					
	5135399	BRACKET (FILTER AND STRAINER)								1				
	5135391	BRACKET											1	
	186629	BOLT, 5/16"-18X1" (12.9001)											3	
	179839	BOLT, 3/8"-16X1" (12.9001)							2					
	103320	LOCKWASHER, 5/16" (12.9200)											3	
	103321	LOCKWASHER, 3/8" (12.9200)							2				3	
		2.3263 - SUPPORT, FUEL STRAINER MOUNTING BRACKET												
	5135387	SUPPORT								1				
	186678	BOLT, 3/8"-16X1" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	5574533	FILTER ASSY. (8") (T-65)	1	1	1	1	1		1	1	1	1		
3B	5573949	FILTER ASSY. (4") (T-58)						1					1	1
3D	25010778	CARTRIDGE (SPIN ON) (TP-916)	1	1	1	1	1		1	1	1	1		
3D	5148171	COVER (SPIN ON)	1	1	1	1	1		1	1	1	1		

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 323	324	325	326	327	328	329	330	341	343	346	349
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
	5574516	* DECAL	1	1	1	1	1		1	1	1	1		
	5574083	* DECAL						1					1	1
	25010782	* DECAL (TP-916) (2.3320)	1	1	1	1	1		1	1	1	1		
	5105046	* DECAL (PORTUGUESE)						1	1	1	1	1	1	1
	5121182	PLUG, 1/4" PIPE (2.4015)	2		2			2	2	2	2	2	2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2						2	2	2			2
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)								1				
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)					2							
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)				2		2						
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)											2	
	103341	WASHER, 3/8" (12.9190)		2										
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2	2	2	2	2	2		2	2
	102635	NUT, 3/8"-16 (12.9120)	2	2					2	2	2			2
	117049	NUT, 3/8"-24 (12.9120)				2	2	2					2	
		* OBSOLETE.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5109450	BRACKET	1											
	5121480	BRACKET		1										
	5100953	BRACKET				1								
	5133126	BRACKET					1							
	5127825	BRACKET						1						
	5134769	BRACKET							1		1			
	5136087	BRACKET												1
	5164294	SPACER (7.1581)												2
	179837	BOLT, 3/8"-16X3/4" (12.9001)		1										
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2					2						
	179839	BOLT, 3/8"-16X1" (12.9001)				2								2
	5104599	BOLT, 3/8"-16 X 1.13" W/SEAL PATCH (12.9001)		2										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2											
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)					2			2				
	180176	BOLT, 1/2"-13X1 3/8" (12.9001)							2		2			
	103341	WASHER, 3/8" (12.9190)		3										
	106265	WASHER, 1/2" (12.9190)							AR					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR		AR						2
	103323	LOCKWASHER, 1/2" (12.9200)					2		2	2				
		2.3570 - GASKET, FUEL FILTER MOUNTING BRACKET												
	5116242	GASKET (1.2044)	1			1								
	5175882	GASKET (TO CYLINDER HEAD) (2.5001)	1											

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 352	357	358	362	364	371	376	397	400	403	408	412
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
3C	6436075	STRAINER ASSY. (8") (T-74)	1		1			1						
	5577342	STRAINER ASSY. (TL-70)							1			1		1
3C	5575568	STRAINER ASSY. (6") (T-60)									1		1	
	5575824	STRAINER ASSY. (8") (T-552)		1					1					
	5136560	% STRAINER ASSY.					1							
3D	25010776	* CARTRIDGE (SPIN ON) (T-915)	1		1			1						
3D	5148023	* COVER (SPIN ON)	1		1			1						
	6436060	% DECAL	1		1			1						
3D	25010781	% * DECAL (T-915) (2.3010)	1		1			1						
	5577249	% DECAL										1		1
	5575197	% DECAL											1	
	5575062	% DECAL								1				
	5105047	% DECAL (PORTUGUESE)											1	
	5118896	SPACER, 1 1/4" O.D. X 3/8" I.D. X 3 3/16" L.							1					
	5121182	PLUG, 1/4" PIPE (2.4015)									2	2		
	114674	SCREW, 3/8"-16X1 1/4" (12.9030)									2		2	2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			2									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								2				
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)							2					
	103341	WASHER, 3/8" (12.9190)				2			2					
	103321	LOCKWASHER, 3/8" (12.9200)			2				2	2	2		2	
	102635	NUT, 3/8"-16 (12.9120)							2		2		2	2
		* EFFECTIVE WITH 3D-100729, 4D-88702, 6D-91962 AND 8D-5553.												
		% OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	5167429	BRACKET			1									
	5138051	BRACKET									1		1	
	5121173	BRACKET												1
	5121182	PLUG, 1/4" PIPE (2.4015)												1
	5145014	PLUG, 3/8" PIPE (12.9550)									1		1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)												2
	186625	BOLT, 5/16"-18X7/8" (12.9001)									2		2	
	179839	BOLT, 3/8"-16X1" (12.9001)			2									
	103321	LOCKWASHER, 3/8" (12.9200)			2									
	102635	NUT, 3/8"-16 (12.9120)			2									
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	5574533	FILTER ASSY. (8") (T-65)	1	1	1	1		1		1				
3B	5573949	FILTER ASSY. (4") (T-58)					1				1		1	
	5578475	FILTER ASSY. (4") (T-71MS)							1			1		1

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 352	357	358	362	364	371	376	397	400	403	408	412
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
3D	25010778	CARTRIDGE (SPIN ON) (TP-916)	1	1	1	1		1		1				
3D	5148171	COVER (SPIN ON)	1	1	1	1		1		1				
	5574516	% DECAL	1		1	1		1		1				
	5574083	% DECAL					1						1	
	25010782	% DECAL (TP-916) (2.3320)	1	1	1	1		1		1				
	5147408	% DECAL										1		1
	5105046	% DECAL (PORTUGUESE)					1						1	
	5121182	PLUG, 1/4" PIPE (2.4015)			2					2	2	1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2							2		2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2		2									
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			2	2	2							
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)							2					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)											2	
	103341	WASHER, 3/8" (12.9190)		2	2	2			2		2			
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2		2	
	102635	NUT, 3/8"-16 (12.9120)	2		2		2	2						
	123321	NUT, 3/8"-16 (CAD.) (12.9120)								2				
	117049	NUT, 3/8"-24 (12.9120)			2	2	2		2				2	
		% OBSOLETE.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5100953	* BRACKET				1		1						
	5127825	BRACKET					1							
	5129229	BRACKET	1		1									
	5122568	BRACKET		1										
	5136303	BRACKET							1					
	5138175	BRACKET								1				
	5109645	BRACKET									1		1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)					2				2		2	
	179839	BOLT, 3/8"-16X1" (12.9001)		2		2			2					
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)								2				
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	2		2									
	103341	WASHER, 3/8" (12.9190)		2	2						2			
	106265	WASHER, 1/2" (12.9190)			2									
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	AR	AR		2	2	2		2	
	117049	NUT, 3/8"-24 (12.9120)								2				
		* WITH AIR COMPRESSOR TYPE 376.												

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 418	421	426	427	430	431	442	448	453	455	458	462	466
		2.3001 - STRAINER ASSY., FUEL													
		SEE ASSEMBLY BREAKDOWN PAGE A1.													
3C	**5575568**	STRAINER ASSY. (6") (T-60)	1												
	5577342	STRAINER ASSY. (TL-70)		1											
3C	**6436075**	STRAINER ASSY. (8") (T-74)			1	1	1		1	1	1		1		1
	5111605	STRAINER ASSY. (PUROLATOR TYPE C-17J-30)												1	
3D	**25010776**	CARTRIDGE (SPIN ON) (T-915)			1	1			1	1	1		1		1
3D	**5148023**	COVER (SPIN ON) (2.3080)			1	1			1	1	1		1		1
	5575197	% DECAL	1												
	5577249	% DECAL		1											
3D	**25010781**	% DECAL (T-915) (2.3010)			1	1			1	1	1		1		1
	6436060	% DECAL			1	1	1		1	1	1		1		1
	5105047	% DECAL (PORTUGUESE)	1												
	5121182	PLUG, 1/4" PIPE (2.4015)		1			2								
	5145014	PLUG, 3/8" PIPE (12.9550)				2	2		2	2	4		3		2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2										2	
	186679	BOLT, 3/8"-16 X 1 1/4" (12.9001)								2					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											2		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2								2				2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2						2	2		2		2
	102635	NUT, 3/8"-16 (12.9120)								2			2		
	117049	NUT, 3/8"-24 (12.9120)	2								2		2		
		% OBSOLETE.													
		2.3260 - BRACKET, FUEL STRAINER MOUNTING													
	5139809	BRACKET								1					
	5100707	BRACKET									1				1
	5141337	BRACKET (FILTER AND STRAINER)	1												
	5183914	SPACER, 11/32" I.D. X 1 11/32" L. (1.7625)	1												
	5118412	SPACER, 11/32" I.D. X 1 7/8" L. (7.1590)	1												
	5157412	SPACER, 13/32" I.D. X 7/8" O.D. (7.4013)											1		
	179830	BOLT, 5/16"-18X3" (12.9001)	1												
	179838	BOLT, 3/8"-16X7/8" (12.9001)	3												
	100152	BOLT, 7/16"-14X3" (12.9001)	1												
	103321	LOCKWASHER, 3/8" (12.9200)	AR												
	103322	LOCKWASHER, 7/16" (12.9200)	1												
		2.3310 - FILTER ASSY., FUEL													
		SEE ASSEMBLY BREAKDOWN PAGE B1.													
3B	**5573949**	FILTER ASSY. (4") (T-58)	1		1									1	
3B	**5578475**	FILTER ASSY. (4") (T-71MS)		1											
3B	**5574533**	FILTER ASSY. (8") (T-65)				1	1	1	1	1	1	1	1		1
3D	**25010778**	@ CARTRIDGE (SPIN ON) (TP-916)				1		1	1	1	1	1	1		1
3D	**5148171**	@ COVER (SPIN ON)				1		1	1	1	1	1	1		1
	5574083	% DECAL	1		1									1	
	6436147	% DECAL		1											
3D	**25010782**	% @ DECAL (TP-916) (2.3320)				1	1	1	1	1	1	1	1		1

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 418	421	426	427	430	431	442	448	453	455	458	462	466
		2.3310 - FILTER ASSY., FUEL (CONT'D)													
	5574516	% DECAL				1	1	1	1	1	1	1	1		1
	5105046	% DECAL (PORTUGUESE)	1		1										
	5121182	PLUG, 1/4" PIPE (2.4015)		2		2	2		2	2	2	1	2		2
	5154453	PLUG, 3/8"-16 SPECIAL										1			
	5145014	PLUG, 3/4" PIPE (12.9550)													1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2			2						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2		2		2			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)											1		
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)												2	
	181370	BOLT, 3/8"-24X1 1/2" (12.9001)	2	2	2		2				2				2
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		2											
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)							2						
	103341	WASHER, 3/8" (12.9190)					2		2				1		
	106265	WASHER, 1/2" (12.9190)							2						
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2	2
	102635	NUT, 3/8"-16 (12.9120)				2		2	2	2		2	2		
	117049	NUT, 3/8"-24 (12.9120)	2	2	2	2	2		2		2				2
		@ EFFECTIVE WITH 3D-100729, 4D-88702, 6D-91962 AND 8D-5553.													
		% OBSOLETE.													
		2.3530 - BRACKET, FUEL FILTER MOUNTING													
	5127825	BRACKET			1										
	5129243	BRACKET				1									
	5137344	BRACKET					1								
	5134273	BRACKET						1							
	5129229	BRACKET							1						
	5139810	BRACKET								1					
	5100953	BRACKET									1				1
	5139182	BRACKET										1			
	5137370	BRACKET											1		
	5122568	BRACKET												1	
	5135387	SUPPORT											1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2							1			
	179839	BOLT, 3/8"-16X1" (12.9001)					2	1						2	
	186678	BOLT, 3/8"-16X1" CAD. (12.9001)											1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1						1			
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				2									
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)										2			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						2							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)								2					
	214265	* BOLT, 3/8"-16X3 3/4" (12.9001)								2					
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)											2		
	103341	WASHER, 3/8" (12.9190)					2						2		
	103321	LOCKWASHER, 3/8" (12.9200)			2	AR	2	AR				AR	AR	AR	
		* OBSOLETE													

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2.3000A FUEL FILTER

PART NUMBER	NAME AND DESCRIPTION	TYPES 418	421	426	427	430	431	442	448	453	455	458	462	466
	2.3570 - GASKET, FUEL FILTER MOUNTING BRACKET													
5116242	GASKET (1.2044)				1						1			
5175882	GASKET (TO HEAD) (4.4115)				1									

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 469	471	475	478	481	485	486	487	497	506	507	508
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
3C	**5575568**	STRAINER ASSY. (6") (T-60)		1			1	1	1					
	5111605	STRAINER ASSY. (PUROLATOR TYPE) (D-17J-30)								1				
	5129449	FILTER ASSY. (COALESCENT)								1		1	1	
	5575197	* DECAL		1			1	1	1					
	6436060	* DECAL									1			
	5105047	* DECAL (PORTUGUESE)		1			1	1						
	5121182	PLUG, 1/4" PIPE (2.4015)		2			2							
	5145014	PLUG, 3/8" PIPE (12.9550)									2	2	2	
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							2		2			
	103341	WASHER, 3/8" (12.9190)							2					
	103321	LOCKWASHER, 3/8" (12.9200)							2		2			
	117049	NUT, 3/8"-24 (12.9120)							2		2			
		* OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	5141337	BRACKET (FILTER AND STRAINER)							1					
	5142634	BRACKET									1			
	5175054	SPACER, 13/32" X 3/4" X 1 5/8" (3.1240)							1					
	179826	BOLT, 5/16"-18X2" (12.9001)								2				
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)							1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)							2					
	179839	BOLT, 3/8"-16X1" (12.9001)									2			
	454934	BOLT, 7/16"-14X2 1/2" (12.9001)							1					
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)							1					
	103321	LOCKWASHER, 3/8" (12.9200)							2		2			
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	**5573949**	FILTER ASSY. (4") (T-58)	1	1	1	1	1	1	1			1	1	
3B	**5574533**	FILTER ASSY. (8") (T-65)								1	1			1
3D	**25010778**	@ CARTRIDGE (SPIN ON) (TP-916)								1	1			1
3D	**5148171**	@ COVER (SPIN ON)								1	1			1
	5574083	% DECAL	1	1	1	1	1	1	1	1		1	1	
	5574516	% DECAL									1			1
3E	**25010782**	% @ DECAL (SPIN ON) (TP-916) (2.3320)								1	1			1
	5105046	% DECAL (PORTUGUESE)	1	1	1	1	1	1		1		1	1	
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2					2		2	1	1	2
	181370	BOLT, 3/8"-24X1 1/2" (12.9001)								2	2	2		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)							2					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	2	2	2	2	2							
	103341	WASHER, 3/8" (12.9190)				2			2					
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2		2	2	2	2		
	117049	NUT, 3/8"-24 (12.9120)	2	2	2	2	2		2	2	2	2		

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 469	471	475	476	481	485	486	487	497	506	507	508
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
		@ EFFECTIVE WITH 3D-100729, 4D-88702, 6D-91962 AND 8D-5553.												
		% OBSOLETE.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5137344	BRACKET								1				
	5135592	BRACKET	1											
	5139799	BRACKET			1	1								
	5142635	BRACKET									1			
	5139558	BRACKET											1	
	454151	BOLT, 5/16"-24X1/2" CAD. (12.9001)	2											
	179839	BOLT, 3/8"-16X1" (12.9001)								2				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			3	3								
	186627	BOLT, 3/8"-24X1" (12.9001)											2	
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)									2			
	186312	BOLT, 3/8"-24X4" (12.9001)											2	
	103320	LOCKWASHER, 5/16" (12.9200)	2											
	103321	LOCKWASHER, 3/8" (12.9200)			3	3				2			AR	
	114493	NUT, 3/8"-24 CAD. (12.9120)	2											
	117049	NUT, 3/8"-24 CAD. (12.9120)											2	

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 527	529	530	557	569	575	593	596	605	606	621	640	644
		2.3001 - STRAINER ASSY., FUEL													
		FOR TYPE 544 USE TYPE 316. SEE ASSEMBLY BREAKDOWN PAGE A1.													
3C	6436075	STRAINER ASSY. (8") (T-74)	1			1								1	1
3C	5575568	STRAINER ASSY. (6") (T-60)		1	1		1		1	1					
	5577342	STRAINER ASSY. (TL-70)						1							
	5575824	STRAINER ASSY. (8") (T-67)											1		
	5129449	FILTER ASSY. (COALESCENT)									1	1			
3D	25010776	CARTRIDGE (SPIN ON) (T-915)	1			1									
3D	5148023	COVER (SPIN ON) (2.3080)	1			1									
	6436060	* DECAL	1											1	1
	5575197	* DECAL		1	1		1		1	1					
3D	25010781	* DECAL (T-915) (2.3010)	1			1									
	5577249	* DECAL						1							
	5575062	* DECAL											1		
	5105047	* DECAL (PORTUGUESE)		1	1		1		1	1					
	5121182	PLUG, 1/4" PIPE (2.4015)		2	3	3	2	2	2					1	
	5145014	PLUG, 3/8" PIPE (12.9550)	2											2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2	2						2
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2											2	
	103341	WASHER, 3/8" (12.9190)							4						
	103321	LOCKWASHER, 3/8" (12.9200)	2		2			2	2						
	102635	NUT, 3/8"-16 (12.9120)													
	117049	NUT, 3/8"-24 (12.9120)	2												
		* OBSOLETE.													
		2.3260 - BRACKET, FUEL STRAINER MOUNTING													
	5139888	BRACKET, FUEL FILTER AND STRAINER			1										
	5100707	BRACKET													1
	186625	BOLT, 5/16"-18X7/8" (12.9001)			3										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2										
	103320	LOCKWASHER, 5/16" (12.9200)			3										
	123221	NUT, 3/8"-16 (12.9120)			2										
		2.3310 - FILTER ASSY., FUEL													
		SEE ASSEMBLY BREAKDOWN PAGE B1.													
3B	5574533	FILTER ASSY. (8") (T-65)	1		1	1								1	1
3B	5573949	FILTER ASSY. (4") (T-58)		1					1	1	1	1			
3B	5578475	FILTER ASSY. (4") (T-71MS)						1							
3D	25010778	CARTRIDGE (SPIN ON) (TP-916)	1		1	1							1		
3D	5148171	COVER (SPIN ON)	1		1	1							1		
	5574516	% DECAL	1		1	1								1	1
	25010782	% DECAL (TP-916) (2.3320)	1		1	1							1		
	5574083	% DECAL		1					1	1					
	6436147	% DECAL						1							
	5105046	% DECAL (PORTUGUESE)		1					1	1					

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 527	529	530	557	569	575	593	596	605	606	621	640	644
		2.3310 - FILTER ASSY., FUEL (CONT'D)													
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2	2			2	2	2			2	2	2
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											2		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2								2	2			
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)						2	2	2					
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2			2	2	2	2	2	2		
	123221	NUT, 3/8"-16 (12.9120)		2	2								2		
	117049	NUT, 3/8"-24 (12.9120)	2					2	2	2	2	2			
		% OBSOLETE.													
		2.3530 - BRACKET, FUEL FILTER MOUNTING													
	5100953	BRACKET	1												
	5142635	BRACKET	1												
	5109645	BRACKET		1											
	5133288	BRACKET			1										
	5121480	BRACKET				1									
	5109450	BRACKET				1									
	5139558	BRACKET									1				
	5131411	BRACKET											1		
	5129929	BRACKET												1	
	5121182	PLUG, 1/4" PIPE (2.4015)			2										
	186274	BOLT, 5/16"-18X5" (12.9001)			4										
	179837	BOLT, 3/8"-16X3/4" (12.9001)											1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2		2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2								2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												2	
	186627	BOLT, 3/8"-24X1" (12.9001)									2				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				2									
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)	2												
	186312	BOLT, 3/8"-24X4" (12.9001)									2				
	179844	BOLT, 1/2"-13X1 3/8" (12.9001)												2	
	103340	WASHER, 5/16" (12.9190)			4										
	103341	WASHER, 3/8" (12.9190)		2		2							2	2	2
	106265	WASHER, 9/16" (12.9190)												2	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR					AR		AR	AR	AR
	123221	NUT, 3/8"-16 (12.9120)		2	2										
	117049	NUT, 3/8"-24 CAD. (12.9120)									2				
	102635	NUT, 3/8"-16 (12.9120)				2									2
		2.3535 - PLATE, FUEL FILTER MOUNTING													
	5136610	COVER (1.2043)				1									
		2.3570 - GASKET, FUEL FILTER MOUNTING BRACKET													
	5116242	GASKET (1.2044)				1									
	5175882	GASKET (4.4115)				1									

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 650	651	661	670	676	679	683	687	688	689	690	691
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
3C	**5575568**	STRAINER ASSY. (6") (T-60)	1	1					1	1	1	1	1	1
3C	**5575824**	STRAINER ASSY. (8") (T-67)			1									
3C	**6436075**	STRAINER ASSY. (8") (T-74)						1						
3D	**5148023**	COVER (SPIN ON) (2.3080)					1							
3D	**25010776**	CARTRIDGE (SPIN ON) (T-915) (2.3010)					1							
	5575197	% DECAL	1						1					
	6436060	% DECAL						1						
	5574516	% DECAL						1						
	5105047	% DECAL								1	1	1	1	1
	5575062	% DECAL			1									
	25010781	% DECAL (T-915) (2.3010)				1	1							
	5121182	PLUG, 1/4" PIPE (2.4015)							2	2	2	2	2	2
	8923847	PLUG, 1/4" PIPE (4.7001)		2										
	5145014	PLUG, 3/8" PIPE (12.9550)			3		3		2					
	114674	SCREW, 3/8"-16X1 1/4" (12.9030)			2									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)					2							
	181370	BOLT, 3/8"—24X1 1/4" (12.9001)							2					
	103341	WASHER, 3/8" (12.9190)			2				2					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								2		2	2	
	103321	LOCKWASHER, 3/8" (12.9200)			2		2			2		2	2	
	102635	NUT, 3/8"-16 (12.9120)			2									
	117049	NUT, 3/8"—24 (12.9120)					2							
		% OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	8922985	BRACKET							1					
	5145014	PLUG, 3/8" PIPE (12.9550)							1					
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	102635	NUT, 3/8"-16 (12.9120)							2					
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	**5574533**	FILTER ASSY. (8") (T-65)			1			1						
3B	**5573949**	FILTER ASSY. (4") (T-58)	1	1					1	1	1	1	1	1
3B	**5578475**	FILTER ASSY. (4") (T-71MS)				1								
3D	**5148171**	COVER (SPIN ON)					1							
3D	**25010778**	CARTRIDGE (SPIN ON) (TP-916)					1							
	5574516	% DECAL			1									
	5574083	% DECAL	1						1				1	
	5105046	% DECAL								1	1	1		1
	5147408	% DECAL				1								
	25010782	% DECAL (TP-916)					1							
	5121182	PLUG, 1/4" PIPE (2.4015)	2		3		2	2	2	2	2	2	2	2
	8923847	PLUG, 1/4" PIPE (4.7001)		2										
	179839	BOLT, 3/8"-16X1" (12.9001)	2											
	186619	BOLT, 3/8"—16X1 1/8" (12.9001)		2			2		2				2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2		2						
	5104599	BOLT, 3/8"-16X1.13" (12.9001)					2							
	181374	BOLT, 3/8"-16X1 1/2" (12.9001)								2	2	2		2

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 650	661	670	676	679	683	687	688	689	690	691
		2.3530 - BRACKET, FUEL FILTER MOUNTING											
	5122568	BRACKET	1										
	5133083	BRACKET	1										
	5136303	BRACKET			1								
	5121480	BRACKET				1							
	5100953	BRACKET				1							
	5103600	BRACKET		1									
	5104599	BOLT, 3/8"-16 X 1.13" (W/SEAL) (12.9001)				2							
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)				1							
	103321	LOCKWASHER, 3/8" (12.9200)				2							
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2										
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2								
	103341	WASHER, 3/8" (12.9120)	4	4		5							
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	1							
		2.3535 - PLATE, FUEL FILTER MOUNTING											
	5107016	PLATE					1						

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 650	651	661	670	676	679	683	687	688	689	690	691
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2	2	2	2	2	2	2	2	2
	103341	WASHER, 3/8" (12.9190)	2	2		2	2		2		2	2		
	102635	NUT, 3/8"-16 (12.9120)				2	2	2						
	117049	NUT, 3/8"-24 (12.9120)								2	2	2	2	2
		% OBSOLETE.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5122568	BRACKET	1											
	5133083	BRACKET	1											
	5136303	BRACKET				1								
	5121480	BRACKET					1							
	5100953	BRACKET					1							
	5103600	BRACKET			1									
	5104599	BOLT, 3/8"-16X1.13" (W/SEAL) (12.9001)					2							
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1							
	103321	LOCKWASHER, 3/8" (12.9200)					2							
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2											
	179839	BOLT, 3/8"-16X1" (12.9001)	2		2	2								
	103341	WASHER, 3/8" (12.9190)	4		4		5							
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR	1							
		2.3535 - PLATE, FUEL FILTER MOUNTING												
	5107016	PLATE						1						

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 692	693	694	695	697	698	699	700	702	704	720	721	722
		2.3001 - STRAINER ASSY., FUEL													
		SEE ASSEMBLY BREAKDOWN PAGE A1.													
3C	5575568	STRAINER ASSY. (6") (T-60)	1	1		1						1			
3C	6436075	STRAINER ASSY. (8") (T-74)			1		1	1	1	1	1		1	1	1
	25011011	STRAINER CARTRIDGE (T-936) (SPIN-ON)	1	1		1									
	5105047	+ DECAL			1		1	2	1	1					
	5105137	+ DECAL									1				
	5574516	+ DECAL									1				
	6436060	+ DECAL										1			
	5575197	+ DECAL											1	1	1
	8921410	COVER (SPIN-ON)	2			2					2		3	2	3
	5121182	PLUG, 1/4" PIPE (2.4015)					2	2							
	5145014	PLUG, 3/8" PIPE (12.9550)	2										2		2
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)													2
	114674	SCREW, 3/8"-16 X 1 1/4" (12.9030)	2										2		2
	103321	LOCKWASHER, 3/8" (12.9200)													2
	102635	NUT, 3/8"-16 (12.9120)													
		+ OBSOLETE.													
		2.3260 - BRACKET, FUEL STRAINER MOUNTING													
	5138051	BRACKET													1
	5145014	PLUG, 3/8"-18 PIPE (12.9550)													1
		2.3310 - FILTER ASSY., FUEL													
		SEE ASSEMBLY BREAKDOWN PAGE B1.													
3B	5573949	FILTER ASSY. (4") (T-58)	1	1	1	1									
3B	5574533	FILTER ASSY. (8") (T-65)					1	1	1	1	1	1			
	25010959	FILTER CARTRIDGE (TP-928)											1	1	1
	5148171	FILTER COVER (SPIN-ON)											1	1	1
	5105046	* DECAL	1	1	1	1									
	5105138	* DECAL					1	1	1	1					
	5574083	* DECAL										1			
	5121182	PLUG, 1/4" PIPE (2.4015)	2		2	2	2	2		2		2	2	2	2
	181374	BOLT, 3/8"-24 X 1 1/2" (12.9001)	2			2									
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)											2	2	2
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)		2											
	181370	BOLT, 3/8"-24 X 1 1/4" (12.9001)			2										
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)					2	2	2	2	2				2
	179839	BOLT, 3/8"-16 X 1" (12.9001)										2			
	103341	WASHER, 3/8" (12.9190)						4				2	2		
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2	2
	117049	NUT, 3/8"-24 (12.9120)	2		2	2							2	2	
	102635	NUT, 3/8"-16 (12.9120)					2	2	2	2	2				
		* OBSOLETE.													

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 692	693	694	695	697	698	699	700	702	704	720	721	722
		2.3530 - BRACKET, FUEL FILTER MOUNTING													
	5122568	BRACKET		1											
	5127825	BRACKET			1										
	5129229	BRACKET					1	1							
	179839	BOLT, 3/8"-16 X 1" (12.9001)		2											
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)			2										
	179884	BOLT, 1/2"-13 X 1 3/8" (12.9001)					2								
	106265	WASHER, 9/16" X 1 3/8" (12.9190)					2	2							
	103321	LOCKWASHER, 3/8" (12.9200)		2	2										
		2.3535 - PLATE, FUEL FILTER MOUNTING													
	5107016	PLATE							1	1	1				

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 723	724	725	726	727	728	729	730	732	733	734	735	736
		2.3001 - STRAINER ASSY., FUEL													
	25011011	STRAINER CARTRIDGE	1	1	1	1	1	1	1	1	1	1	1	1	1
	8921410	COVER (SPIN-ON)	1	1	1	1	1	1	1	1	1	1	1	1	1
	114674	SCREW, 3/8"-16 X 1 1/4" (12.9030)						1		2					
	5121182	PLUG, 1/4" PIPE (2.4015)	3	2	3	3	3	3	3	3	2	2	3	2	2
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			2			1							2
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)					2		1				2		
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)						1							
	181370	BOLT, 3/8"-24 X 1 1/4" (12.9001)							1		2	2			
	103341	WASHER, 3/8" (12.9190)		2	2										
	103321	LOCKWASHER, 3/8" (12.9200)			2		2	2	3	2	2	2	2		2
	102635	NUT, 3/8"-16 (12.9120)						1		2					
	117049	NUT, 3/8"-24 (12.9120)							1		2	2			
		2.3310 - FILTER ASSY., FUEL													
	25010959	FILTER CARTRIDGE (TP-928)	1	1	1	1	1	1	1	1	1	1	1	1	1
	5148171	FILTER COVER (SPIN-ON)	1	1	1	1	1	1	1	1	1	1	1	1	1
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2	2	3	2	2	2	2	2	2	3	2	3
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	2				2								
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		2	2				2		2	2	2	2	
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)								2				2	
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)													2
	114674	SCREW, 3/8"-16 X 1 1/4" (12.9030)						2							
	103341	WASHER, 3/8" (12.9190)			2										
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2		2	2	2	2	2	2	2	2	2
	117049	NUT, 3/8"-24 (12.9120)	2	2	2		2		2		2	2	2		
	102635	NUT, 3/8"-16 (12.9120)						2							
	123221	NUT, 3/8"-16 (12.9120)								2				2	2
		2.3260 - BRACKET, FUEL STRAINER MOUNTING													
	5138051	BRACKET						1		1					
	5131093	BRACKET					1								
	5132969	BRACKET						1							
	5133557	BRACKET							1						
	5141337	BRACKET (FILTER AND STRAINER)									1	1			
	5175054	SPACER, 13/32" X 3/4" X 1 5/8" (3.1240)									1	1			
	5183915	SPACER, 15/32" X 1 11/16" (1.7625)									1				
	5145014	PLUG, 3/8" PIPE (12.9550)						1		1					
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)					2				2	2			
	179839	BOLT, 3/8"-16 X 1" (12.9001)							1						
	5125608	WASHER, 15/32" X 3/4" X 1/8" (1.3112)									1				
	454934	BOLT, 7/16"-14 X 2 1/2" (12.9001)									1				
	179828	BOLT, 5/16"-18 X 2 1/2" (12.9001)									1	1			
	103321	LOCKWASHER, 3/8" (12.9200)					2	1			2	2			
	103322	LOCKWASHER, 7/16" (12.9200)									1				
	123221	NUT, 3/8"-16 (12.9120)					2								

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 723	724	725	726	727	728	729	730	732	733	734	735	736
		2.3530 - BRACKET, FUEL FILTER MOUNTING													
	5109645	BRACKET								1				1	1
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)								2				2	2
	103321	LOCKWASHER, 3/8" (12.9200)								2				2	2

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 737	738	744	747	748	767	768	769	777	778	780	781
		2.3001 - STRAINER ASSY., FUEL												
		FOR TYPE 763 USE TYPE 801. SEE ASSEMBLY BREAKDOWN PAGE A1.												
3C	5575568	STRAINER ASSY. (6") (T-60)			1	1			1		1			
3C	5577342	STRAINER ASSY.								1				
	25011011	STRAINER CARTRIDGE (T-936) (SPIN-ON)	1	1			1	1				1	1	
	8921410	COVER (SPIN-ON)	1	1			1	1				1	1	
	5575197	+ DECAL									1			
	5121182	PLUG, 1/4" PIPE (2.4015)		2		2	2	2	2		3	3	2	
	181370	BOLT, 3/8"-24 X 1 1/4" (12.9001)	2	2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2	2			2		
	103341	WASHER, 3/8" (12.9190)	2	2				2	2		1	2		
	103321	LOCKWASHER, 3/8" (12.9200)	2	2				2	2		1	2		
	102635	NUT, 3/8" (12.9120)									1			
	117049	NUT, 3/8"-24 (12.9120)	2	2										
		+ OBSOLETE.												
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	5141337	BRACKET (FILTER AND STRAINER)	1	1										
	8920543	BRACKET									1			
	5138051	BRACKET			1									
	8922165	BRACKET				1	1							
	5183915	SPACER, 15/32" X 1 11/16" (1.7625)	1											
	5175054	SPACER, 13/32"X3/4"X1 5/8" (3.1240)	1	1										
	5121182	PLUG, 1/4" PIPE (2.4015)			2	2	2					2	2	
	5144629	BRACKET, CLIP (4.6040)									1			
	454934	BOLT, 7/16"-14 X 2 1/2" (12.9001)	1											
	5145014	PLUG, 3/8" PIPE (12.9550)			1									
	455537	BOLT, 3/8"-16X3 1/4" (12.9001)									1			
	114674	SCREW, 3/8"-16 X 1 1/4" (12.9025)			2									
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									1			
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)	2	2										
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)					2							
	179828	BOLT, 5/16"-18 X 2 1/2" (12.9001)	1	1										
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)					2							
	5125608	WASHER, 15/32" X 3/4" X 1/8" (1.3112)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2		4							
	103322	LOCKWASHER, 7/16" (12.9200)	1											
	102635	NUT, 3/8"-16 (12.9120)			2									
	117049	NUT, 3/8"-24 (12.9120)					4							
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3B	5573949	FILTER ASSY. (4") (T-58)			1	1			1		1			1
3B	6436146	* FILTER ASSY.								1				
	25010959	FILTER CARTRIDGE (TP-928)	1	1			1	1			1		1	

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 737	738	744	747	748	767	768	769	777	778	780	781
		2.3310 - FILTER ASSY., FUEL (CONT'D)												
	5148171	FILTER COVER (SPIN-ON)	1	1			1	1				1	1	
	5127911	ELBOW, 1/4"X1/4", .070" RESTRICTED (2.5210)								1				
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2	1	1		2	2		1	2	2	1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)						2						
	181370	BOLT, 3/8"-24 X 1 1/4" (12.9001)	2	2										
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			2	2			2					
	103341	WASHER, 3/8" (12.9120)	2	2				2	2		2		2	
	186627	BOLT, 3/8"-24X1" (12.9001)										2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2		2	2		2		2	2
	5574083	+ DECAL									1			
	117049	NUT, 3/8"-24 (12.9120)	2	2				2			2			
		+ OBSOLETE.												
		* NOT SERVICED, USE 5578475.												
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5122568	BRACKET					1							
	8920544	BRACKET									1			
	5118896	SPACER, 3 3/16"X1 1/4"X3/8"										3		
	186612	BOLT, 3/8"-16X1 1/8" (12.9001)									2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					2							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					2							
	103341	WASHER, 3/8" (12.9190)					2				2			
	103321	LOCKWASHER, 3/8" (12.9200)					2				2			
	102635	NUT, 3/8"-16 (12.9120)									2			

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 787	788	789	801	806	807	809	811	813	817	823	824
		2.3001 - STRAINER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
3D	25011011	STRAINER CARTRIDGE (T-936) (SPIN-ON)	1	1					1					
3D	25010776	STRAINER CARTRIDGE (SPIN ON) (T-915)						1						1
3C	5575568	STRAINER ASSY. (6") (T-60)			1								1	
3C	6436075	STRAINER ASSY. (8") (T-74)					1							
3D	8921410	COVER (SPIN-ON)	1	1					1					
3D	5148023	COVER (SPIN ON) (2.3080)						1						1
	8923847	PLUG, 1/4" PIPE (4.7001)					2		3	2			2	
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2	3	3								
	5145014	PLUG, 3/8" PIPE (12.9550)						3						
	8924517	PLUG, 3/8" PIPE (12.9550)												2
	179838	BOLT, 3/8"-16X7/8" (12.9001)					2							
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	2	2	2	2								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						4						
	103341	WASHER, 3/8" (12.9190)	2	2	2	2	2	2						
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	4						
	102635	NUT, 3/8"-16 (12.9120)						2						
	117049	NUT, 3/8"-24 (12.9120)	2	2	2	2								
		2.3010 - ELEMENT, FUEL STRAINER												
3C	5575032	ELEMENT (8" FELT SOCK TYPE, T-552)				1	1							
		2.3260 - BRACKET, FUEL STRAINER MOUNTING												
	8922986	BRACKET	1	1	1									
	5167429	BRACKET						1						
	5183915	SPACER, 15/32"X1 11/16" (1.7625)	1											
	5175054	SPACER, 13/32"X3/4"X1 5/8" (3.1240)	1	1	1									
	454934	BOLT, 7/16"-14X2 1/2" (12.9001)	1											
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2									
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	1	1	1									
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2									
	103322	LOCKWASHER, 7/16" (12.9200)	1											
		2.3310 - FILTER ASSY., FUEL												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
3D	25010959	FILTER CARTRIDGE (TP-928)	1	1					1			1		
3D	25010778	CARTRIDGE (SPIN ON) (TP-916)						1			1			
3B	5573949	FILTER ASSY. (4") (T-58)			1		1						1	
	5148171	FILTER COVER (SPIN-ON)	1	1				1	1		1	1		
	8924185	ELBOW, 5/16"										1		
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2	2		2							
	8923847	PLUG, 1/4" PIPE (4.7001)					2	2	2	2	2		2	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)										2		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	2	2	2								2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							2					
	179839	BOLT, 3/8"-16X1" (12.9001)					2							
	5104599	BOLT, 3/8"-16X1.13" (12.9001)						1						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						2						
	5196119	SPACER, 13/32" I.D.X7/8" L. (3.4001)	2	2	2									
	103341	WASHER, 3/8" (12.9120)	2	2	2		2	2				2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2		2	2	2			2	2	
	102635	NUT, 3/8"-16 (12.9120)						2						
	117049	NUT, 3/8"-24 (12.9120)	2	2	2							2	2	

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 787	788	789	801	806	807	809	811	813	817	823	824
		2.3320 - ELEMENT, FUEL FILTER												
	5574508	ELEMENT (8", TP509)				1								
		2.3530 - BRACKET, FUEL FILTER MOUNTING												
	5122568	BRACKET					1							
	5129243	BRACKET						1						
	5129229	BRACKET										1		
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)										2		
	106265	WASHER, 1/2" (12.9190)										2		
		2.3570 - GASKET, FUEL FILTER MOUNTING BRACKET												
	5116242	GASKET (1.2044)						1						
	5175882	GASKET (4.4115)						1						

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2.3000A FUEL FILTER AND STRAINER

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 8 2 5
		2.3001 - STRAINER ASSY., FUEL	
3D	**25010776**	CARTRIDGE (SPIN ON) (T-915)	1
3D	**8921410**	COVER (SPIN ON)	1
	8923847	PLUG, 1/4" PIPE (4.7001)	3
		2.3310 - FILTER ASSY., FUEL	
	25010778	CARTRIDGE (SPIN ON) (TP-916)	1
	5148171	COVER (SPIN ON)	1
	8923847	PLUG, 1/4" PIPE (4.7001)	2
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	2
	103341	WASHER, 3/8" (12.9190)	2
	103321	LOCKWASHER, 3/8" (12.9200)	2
	117049	NUT, 3/8"-24 (12.9120)	2
		2.3260 - BRACKET, FUEL STRAINER MOUNTING	
	8926386	BRACKET, STRAINER AND FILTER MOUNT	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2
	103341	WASHER, 3/8" (12.9190)	1
	103342	WASHER, 7/16" (12.9190)	2
	103322	LOCKWASHER, 7/16" (12.9200)	2

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3001 - STRAINER ASSY., FUEL														
	5111605	STRAINER ASSY. (PUROLATOR TYPE C-17J-30)								1						
	5136560	* STRAINER ASSY. (FILTER-SEPARATOR)				1										
3C	**5182041**	* STRAINER ASSY. (6")	1													
3C	**5575568**	STRAINER ASSY. (6" SOCK TYPE) (T-60)		1												
3C	**5575824**	STRAINER ASSY. (8") (T-67)					1									
	5577342	STRAINER ASSY. (TL-70)						1								
3C	**6436075**	STRAINER ASSY. (T-74) (2.3310)			1											
	5129449	FILTER ASSY. (FRAM TYPE FCS 1133 PLM)							1							
		* NOT SERVICED; COMPONENTS ARE AVAILABLE.														
		2.3010 - ELEMENT, FUEL STRAINER														
3C	**5574961**	ELEMENT (6", FELT SOCK TYPE, T-553) (INCLUDES GASKETS IN 2.3090 AND 2.3130)	1	1												
	5145014	PLUG, 3/8"-18 PIPE (12.9550)													1	
3C	**5575032**	ELEMENT (8", FELT SOCK TYPE, T-552) (INCLUDES GASKETS IN 2.3090 AND 2.3130)			1		1									
	5198731	ELEMENT (METAL) (BOWSER)				1										
	1595655	ELEMENT (METAL DISC TYPE TL-12) (INCLUDES GASKET IN 2.3090)						1								
	5196878	ELEMENT (COALESCER)							1							
	5196879	ELEMENT, SEPARATOR							1							
	5194834	ELEMENT & KNIFE ASSY. (4" METAL)								1						
		2.3050 - SHELL, FUEL STRAINER														
3A	**5192916**	SHELL (6")	1													
3C	**5577586**	SHELL (2.3380)		1												
3C	**5575893**	SHELL ASSY. (COMPONENTS N.S.S.) (2.3380)			1		1									
	6435007	SHELL ASSY. (COMPONENTS N.S.S.)						1								
3A,C	**103647**	DRAINCOCK, 1/4" (12.9510)	1	1	1		1	1								
		2.3060 - SPRING, FUEL STRAINER														
	6435048	SPRING						1								
		2.3080 - COVER, FUEL STRAINER														
3C	**6436253**	COVER ASSY. (IDENTIFIED WITH CAST "P") (INCLUDES ITEMS IN 2.3090, 2.3120 AND 2.3130)		1			1									

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2.3000A FUEL FILTER AND STRAINER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3080 - COVER, FUEL STRAINER (CONT'D)														
	6436746	COVER (IDENTIFIED WITH CAST "P")			1											
	6435045	+ COVER						1								
		+ OBSOLETE														
		2.3090 - GASKET, FUEL STRAINER COVER														
3A	**5193801**	% GASKET (2.3400)	1													
3C	**5574161**	GASKET (2.3400)		1	1		1									
	5198733	GASKET				1										
	5193704	GASKET								2						
	1503542	GASKET (2.3020)						1								
		% OBSOLETE														
		2.3100 - PLUG, FUEL STRAINER COVER														
	6435047	% PLUG						1								
3C	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	2			2									
3C	**444577**	PLUG, 1/4" PIPE (12.9550)					2									
3C	**5145014**	PLUG, 3/8" PIPE (12.9550)	1	2												
		% OBSOLETE.														
		2.3120 - SCREW, FUEL STRAINER COVER														
3A	**5192913**	NUT (2.3410)	1													
3C	**5575790**	BOLT (USE WITH EARLY COVERS) (2.3410)		1												
	6435793	BOLT (USE WITH COVER MARKED "P")		1	1		1									
	6435046	BOLT						1								
		2.3130 - GASKET, FUEL STRAINER COVER SCREW														
3A	**2243465**	GASKET (2.3420)	1													
3C	**1503536**	GASKET (USE WITH EARLY COVERS) (2.3110)		1												
	6435794	GASKET (USE WITH COVER MARKED "P")		1	1		1									
	5198732	GASKET				1										

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3310 - FILTER ASSY., FUEL														
3B	5121370	FILTER ASSY. (5")			1											
3B	5573949	FILTER ASSY. (4") (T-58)	1													
3B	5574533	FILTER ASSY. (8") (T-65)		1												
3B	5575009	FILTER ASSY. (8") (T-67)				1										
3B	5578475	FILTER ASSY. (4") (T-71MS)					1									
		2.3320 - ELEMENT, FUEL FILTER (SECONDARY)														
3B	5573261	ELEMENT (4", TP-509) (INCLUDES GASKETS IN 2.3400, 2.3420)	1													
3B	5574508	ELEMENT (8"), TP-540X) (VERTICAL PLEAT) (INCLUDES GASKETS IN 2.3400,2.3420)		1												
3B	5196048	ELEMENT (5") (INCLUDES GASKET IN 2.3400)			1											
	5575032	ELEMENT (8", T-552 FELT SOCK TYPE) (INCLUDES GASKET IN 2.3400)				1										
3B	5578188	ELEMENT (LESS GASKET IN 2.3400)					1									
		2.3322 - SEAT, FUEL FILTER ELEMENT														
3B	5574123	SEAT	1	1			1									
3B	5574126	SEAL	1	1			1									
3B	5574120	RETAINER (RING)	1	1			1									
3B	5196066	RETAINER			1											
		2.3370 - SPRING, FUEL FILTER ELEMENT														
3B	5574124	SPRING	1	1			1									
3B	5196063	SPRING (GUIDE)			1											
3B	5574122	SEAT, SPRING (WASHER)	1	1			1									
		2.3380 - SHELL, FUEL FILTER (SECONDARY)														
3B	5574125	SHELL ASSY. (INCLUDES ITEMS IN 2.3322 AND 2.3370)	1				1									
3B	5575169	SHELL ASSY. (INCLUDES ITEMS IN 2.3322 AND 2.3370)		1												
3B	5196062	SHELL ASSY. (INCLUDES SPRING IN 2.3370)			1											
3B	5575056	SHELL ASSY. (COMPONENTS N.S.S.)				1										
		2.3390 - COVER, FUEL FILTER (SECONDARY)														
3B	6436254	COVER ASSY. (IDENTIFIED WITH CAST "S") (INCLUDES ITEMS IN 2.3400,2.3410, 2.3420 AND 2.3480)	1	1			1									

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2.3000A FUEL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.3390 - COVER, FUEL FILTER (SECONDARY) (CONT'D)														
3B	5575789	COVER ASSY. (INCLUDES ITEMS IN 2.3400, 2.3410 AND 2.3420)				1										
		2.3400 - GASKET, FUEL FILTER COVER TO SHELL														
3B	5574161	GASKET	1	1		1	1									
3B	5192801	GASKET			1											
		2.3410 - SCREW, FUEL FILTER COVER														
3B	5574118	SCREW	1	1			1									
3B	131375	SCREW (VENT, IN NUT)			1											
3B	5575790	BOLT				1										
	5196065	NUT			1											
	5196066	RETAINER, NUT			1											
		2.3420 - GASKET, FUEL FILTER COVER SCREW														
3B	1503536	GASKET (2.3110)	1	1		1	1									
3B	5193710	GASKET (VENT SCREW)			1											
	2243465	GASKET (COVER NUT)			1											
		2.3480 - PLUG, FUEL FILTER														
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2		2	2									
		2.3500 - DRAINCOCK, FUEL FILTER														
3B	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1									

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2.4000 FUEL MANIFOLD AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4 8
		2.4020 - PIPE, FUEL	
	5116204	* PIPE ASSY. (INLET AND OUTLET) * QUANTITY IS TWO TIMES CYLINDER COUNT.	AR
		2.4030 - CONNECTOR, FUEL PIPE	
	8925643	* CONNECTOR * QUANTITY IS TWO TIMES CYLINDER COUNT.	AR
		2.4050 - WASHER, FUEL PIPE CONNECTOR	
	8925644	* WASHER, 3/8"X9/16" COPPER * QUANTITY IS TWO TIMES CYLINDER COUNT.	AR

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3571	3600	3601	3833	3834	3836	3837	3838	3839	3900	3902	3904
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5174867	HOSE, 3/8" I.D. X 24" L. (4.7100)						1	1					
	5169475	CONNECTOR (2.5210)						1	1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE 1/4" P.T. (12.9460)						1	1					
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)	1											
	5121182	PLUG, 1/4" PIPE (2.4015)						1	1					
	103327	LOCKWASHER, 7/8" (12.9200)						1	1					
	219754	NUT, 7/8"-14 (12.9120)						1	1					
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5121076	TUBE ASSY. (DEV. L. 12.50")	1											
4A	5121149	TUBE ASSY. (DEV. L. 39.76")		1				1						
4A	5124547	TUBE ASSY. (DEV. L. 34.36")								1				
4A	5121151	TUBE ASSY. (DEV. L. 45.16")			1				1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	1	1			1	1	1				
	190367	ELBOW, 1/4" STREET, 90 DEG. (12.9590)										1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1	1			1	1	1				
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)								1				
		2.5060 - TUBE, FUEL PUMP INLET												
	5118783	HOSE, 1/4" I.D. X 14" L.									1	1		
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	5160388	CLIP (1 3/8"L., 3/8" BOLT)	1	1	1			1		1				
4A	5177623	CLIP (3/8" TUBE) (2.5120)		1	1					1				
4A	3224539	CLIP (3/8" TUBE) (12.4095)		1	1					1				
4A	5177623	CLIP (3/8" TUBE) (2.5120)						2	2					
	5164789	SPACER (5.4025)	1											
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1											
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	5121081	TUBE ASSY. (DEV. L. 21.28")	1											
4A	5134897	TUBE ASSY. (DEV. L. 36.22")		1				1						
4A	5109486	TUBE ASSY. (DEV. L. 41 5/8")			1				1					

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	360	361	383	384	386	387	388	389	390	392	394
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)												
4A	5123833	TUBE ASSY. (DEV. L. 9 1/8") (2.5050)					1							
4A	5134901	+ TUBE ASSY. (DEV. L. 30.34")								1				
4A	5131829	# TUBE ASSY. (DEV. L. 12") (2.5149)									1	1		
4A	5124890	TUBE (DEV. L. 35")											1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1		1	1	1	1	1	1		
	5138305	* CONNECTOR ASM.3/8"SEALASTIC(12.9415)											1	1
	5138298	* ELBOW 3/8" SEALASTIC 90 DEG. (12.9425)											2	2
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1		1	1	1	1	2	2		
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)											3	3
		* INCLUDES SEAL IN 2.5100 PLUS NUT, NOT SOLD SEPARATELY												
		# NOT SERVICED, USE 5199575 HOSE AND (2) 5199579 FITTINGS.												
		+ NOT SERVICED. USE 5199575 HOSE AND (1) EACH OF 5199579 FITTING, 5199588 FITTING AND SD-29.												
		2.5101 - *TUBE, FUEL PUMP TO CYLINDER HEAD*												
	5123786	TUBE ASSY. (DEV. L. 14 1/2") (2.5150)				1								
	5123832	TUBE ASSY. (DEV. L. 9 1/8") (2.5150)					1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				2								
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE												
	5177623	CLIP, 3/8" TUBE	1										2	2
	5112241	CLAMP (2.5070)		6	6			6	6	4				
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)	1											
	110502	BOLT, #10-24X3/4" (12.9025)		3	3			3	3	2				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	1											
	120217	LOCKWASHER, #10 (12.9200)		3	3			3	3	2				
	110633	NUT, #10-24 (12.9120)		3	3			3	3	2				
		2.5151 - *TUBE, FILTER OUTLET*												
4A	5104094	TUBE ASSY. (DEV. L. 20.30")	1											
4A	5129623	TUBE ASSY. (DEV. L. 12.68")		1	1			1	1					
4A	5109655	TUBE ASSY. (DEV. L. 8.89")								1				
4A	5122581	TUBE ASSY. (DEV. L. 11 7/16")									1			
4A	5123174	TUBE ASSY. (DEV. L. 9 5/8")										1		
4A	5124908	TUBE (DEV. L. 16 7/8") (2.5150)											1	1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1											
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	2	2		1	2	2	2	2	2		
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)											2	2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	360	361	383	384	386	387	388	389	390	392	394
		2.5151 - TUBE, FILTER OUTLET (CONT'D)												
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1			1	1	1			2	2
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)												
		2.5210 - TUBE, FUEL DRAIN												
4A	5124894	* TUBE (DEV. L. 21 1/8")											1	
	5116440	ELBOW, RESTRICTED	1		1	1	1	1	1	1	1	1		
	5124978	ELBOW, RESTRICTED											1	1
	5127911	ELBOW, 1/4" X 1/4" P.T. .070 RESTRICTED		1										
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)											1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5210 PLUS NUT, NOT SOLD SEPARATELY												
		2.5215 - HOSE, FUEL DRAIN												
4A	5186083	HOSE, 1/4" X 14"						1	1		1	1		
	5169475	CONNECTOR (2.5210)						1	1					
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						1	1					
	5121182	PLUG, 1/4" PIPE (2.4015)						1	1					
	103327	LOCKWASHER, 7/8" (12.9200)						1	1					
	219754	NUT, 7/8"-14 (12.9120)						1	1					
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	3290459	CLIP, 5/16" TUBE						1	1					
	106284	BOLT, 3/8"-24X5/8" (12.9001)						1	1					
	103321	LOCKWASHER, 3/8" (12.9200)						1	1					
	117049	NUT, 3/8"-24 (12.9120)						1	1					
		2.5230 - BRACKET, FUEL DRAIN TUBE CLIP												
	5155464	BRACKET (7.1582)						1	1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 397	405	406	410	411	413	414	415	416	417	418	419
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5116903	* VALVE ASSY. (CAP AND STEM) (1.1001)		1										
		* USED TO TEST FUEL PRESSURE.												
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5174867	HOSE (3/8"I.D.X24"L.) (4.7100)										1		
	5169475	CONNECTOR (2.5210)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE 1/4" P.T. (12.9460)										1		
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)		1	1							1	1	
	5121182	PLUG, 1/4" PIPE (2.4015)										1		
	103327	LOCKWASHER, 7/8" (12.9200)										1		
	219754	NUT, 7/8"-14 (12.9120)										1		
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5121101	TUBE ASSY. (DEV. L 3/8"X14.80")	1									1		
4A	5125297	TUBE (DEV. L. 43")		1	1									
4A	5114860	TUBE ASSY. (DEV. L. 43.06")				1								
4A	5121075	TUBE ASSY. (DEV. L. 7 1/2")						1						
4A	5124548	TUBE ASSY. (DEV. L. 34.36")								1				
4A	5179513	TUBE ASSY. (DEV. L. 39.32")									1			
4A	5121100	TUBE ASSY. (DEV. L. 3/8"X9.40")											1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1		1	1			
	444000	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)		1	1									
	5138305	CONNECTOR ASM.3/8"SEALASTIC(12.9415)		1	1									
	5179969	ELBOW, 3/8" 90 DEG. SEALASTIC (12.9415)		1	1									
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)				1				1	1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2			1			3			2	2	2
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)		2	2									
		* INCLUDES SEAL IN 2.5050 PLUS NUT, NOT SOLD SEPARATELY												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	5160388	CLIP (1 3/8"L., 3/8" BOLT)								1	1			
4A	5177623	CLIP (3/8" TUBE) (2.5120)	1			1				1	1			1
4A	3224539	CLIP (3/8" TUBE) (12.4095)								1	1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 397	405	406	410	411	413	414	415	416	417	418	419
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	**5121081**	TUBE ASSY. (DEV. L. 21.28")					1							
4A	**5134897**	TUBE ASSY. (DEV. L. 36.22")											1	1
4A	**5109486**	TUBE ASSY. (DEV. L. 41 5/8")	1									1		
4A	**5124890**	TUBE (DEV. L. 35")		1	1									
4A	**5109487**	TUBE ASSY. (DEV. L. 41.62")				1								
4A	**5121080**	TUBE ASSY. (DEV. L. 15.88")						1						
4A	**5134902**	TUBE ASSY. (DEV. L. 31")								1				
4A	**5134898**	TUBE ASSY. (DEV. L. 36.22")									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1	1			1	1	1	1	1
	5138298	ELBOW ASM.3/8"SEALASTIC 90 DEG. (12.9425)		2	2									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1			1	1	1		1	1	1	1	1
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435) * INCLUDES SEAL IN 2.5100 PLUS NUT, NOT SOLD SEPARATELY		2	2									
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
	3248643	HOSE ASSY., 3/8" I.D. X 18" L. (4.7100)							1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)							2					
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5133108	CLIP (3/8" TUBE) (2.5070)					1							
	5177623	CLIP (3/8" TUBE)		2	2							2	2	2
	5112241	CLAMP (2.5070)		4	4	6				4	3			
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)					1							
	110502	BOLT, #10-24X3/4" (12.9025)		2	2	4				2	3			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1							
	120217	LOCKWASHER, #10 (12.9200)		2	2	3				2	3			
	110633	NUT, #10-24 (12.9120)		2	2	3				2	3			
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (FLEXIBLE)												
	5131518	HOSE ASSY., 5/16" I.D. X 32" L.					1							
	193004	ELBOW, 3/8 INV. FL. TUBE 90 DEG. (12.9480)					2							
		2.5151 - TUBE, FILTER OUTLET												
4A	**5125319**	TUBE ASSY. (DEV. L. 19.50")						1						
4A	**5129623**	TUBE ASSY. (DEV. L. 12.68")	1			1						1	1	1
4A	**5109655**	TUBE ASSY. (DEV. L. 8.89")								1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 397	405	406	410	411	413	414	415	416	417	418	419
		2.5151 - TUBE, FILTER OUTLET (CONT'D)												
4A	5124908	TUBE (DEV. L. 16 7/8") (2.5150)		1	1									
4A	5125318	* TUBE ASSY. (DEV. L. 19.50")					1							
4A	5127639	* TUBE ASSY. (DEV. L. 18.42") (TO HEAD)							1					
	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)							1					
4A	5134070	+ TUBE ASSY. (DEV. L. 10.15")									1			
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)						2	1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1			1			1	2	2	2	2	2
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)		2	2				1					
	5138293	@ ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)							1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1				1		1	1	1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1										
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)		2	2				2					
		* OBSOLETE: CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5151 PLUS NUT, NOT SOLD SEPARATELY												
		+ NOT SERVICED, USE 5129623 PLUS (1) 137407 CONNECTOR.												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	2488022	CLIP, 1/2" (12.8554)					2							
		2.5210 - TUBE, FUEL DRAIN												
4A	5128016	* TUBE ASSY. (DEV. 5/16"X10.12")							1					
4A	5124894	* TUBE (DEV. L. 21 1/8")			1									
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)							1					
	5116440	ELBOW, RESTRICTED	1			1	1	1	1	1	1	1	1	1
	5124978	ELBOW, RESTRICTED		1	1									
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)										1		
	5138293	ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)							1					
	5138305	CONNECTOR ASM. 3/8" SEALASTIC (12.9415)							1					
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)			1									
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)							2					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 397	405	406	410	411	413	414	415	416	417	418	419
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5210 PLUS NUT, NOT SOLD SEPARATELY												
		2.5215 - HOSE, FUEL DRAIN												
4A	5186063	HOSE, 1/4" X 14" L										1		
	5169475	CONNECTOR (2.5210)										1		
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)										1		
	5121182	PLUG, 1/4" PIPE (2.4015)										1		
	103327	LOCKWASHER, 7/8" (12.9200)										1		
	219764	NUT, 7/8"-14 (12.9120)										1		
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	3290459	CLIP (5/16" TUBE)										1		
4A	5110070	CLIP (3/8" TUBE) (2.5210)							1					
	179839	BOLT, 3/8"-16X1" (12.9001)							1					
	106284	BOLT, 3/8"-24X5/8" (12.9001)										1		
	103341	WASHER, 3/8" (12.9190)							1					
	103321	LOCKWASHER, 3/8" (12.9200)							1			1		
	117049	NUT, 3/8"-24 (12.9120)										1		
		2.5230 - BRACKET, FUEL DRAIN TUBE CLIP												
	5155464	BRACKET (7.1582)										1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	424	425	426	427	433	440	441	442
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE, 1/4" (SPRING TYPE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)				1						1		
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	**5121100**	TUBE ASSY. (DEV. L. 9.40")	1											
4A	**5125766**	TUBE ASSY. (DEV. L. 11.16")			1	1								
4A	**5121076**	TUBE ASSY. (DEV. L. 12.50")								1				
4A	**5121101**	TUBE ASSY. (DEV. L. 14.80")		1										
4A	**5121149**	TUBE ASSY. (DEV. L. 40 3/8")										1		
4A	**5114860**	TUBE ASSY. (DEV. L. 43.06")											1	
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)										1	1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2	2							1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)								2		1		
		2.5060 - TUBE, FUEL PUMP INLET												
	5118783	HOSE ASSY., 1/4" I.D. X 14" L.									1			
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)									1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)												1
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	**5160388**	CLIP (AT FRONT COVER) (3/8" TUBE)										1		
4A	**5177623**	CLIP (AT WATER PUMP) (3/8" TUBE) (2.5120)										1	1	
4A	**3224539**	CLIP (AT FRONT COVER) (3/8" TUBE) (12.4095)										1		
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	**5134898**	TUBE ASSY. (DEV. L. 36.22")	1					1						
4A	**5109487**	TUBE ASSY. (DEV. L. 41.62")		1									1	
4A	**5125765**	TUBE ASSY. (DEV. L. 10.62") (2.5050)			1									
4A	**5121080**	TUBE ASSY. (DEV. L. 15.88")					1							1
4A	**5109486**	TUBE ASSY. (DEV. L. 41 5/8")							1					

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	424	425	426	427	433	440	441	442
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)												
4A	5121081	TUBE ASSY. (DEV. L. 21.28")								1				
4A	5134897	TUBE ASSY. (DEV. L. 36.22")										1		
	5131829	# HOSE, 5/16" I.D. X 12" L.									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1			1	1	1	1	1	1	1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	2		1	1	1	1		1	1	1
		# NOT SERVICED, USE 5199575 HOSE AND (2) 5199579 FITTINGS.												
		2.5110 - HOSE, FUEL PUMP TO FILTER												
	3248642	HOSE ASSY., 3/8" I.D. X 12" L. (4.7100)				1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				2								
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE												
	5177623	CLIP (3/8" TUBE)	2	2				2						
	5160388	CLIP (3/8" TUBE) (2.5070)								1				1
	5177623	CLIP (3/8" TUBE)							1					
	5112241	CLAMP (2.5070)										6	6	
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)								1				1
	110502	BOLT, #10-24X3/4" (12.9025)										3	3	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)								1				1
	120217	LOCKWASHER, #10 (12.9200)										*3*	*3*	
	110633	NUT, #10-24 (12.9120)										3	3	
		2.5151 - TUBE, FILTER OUTLET												
	5123174	TUBE (DEV. L. 9 5/8")									1			
	5129623	TUBE ASSY. (DEV. L. 12.68")	1	1				1	1			1		
	5126360	* TUBE ASSY. (DEV. L. 16 13/32")											1	
	5125319	*TUBE ASSY. (DEV. L. 19.50")*								1				1
	5199575	HOSE, BULK#6 (CUT L. 16")			1	1								
	5103959	TUBE ASSY. (FILTER TO MANIFOLD)					1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2		1	2	2		2	2	2	2
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			2	2	1			2				
	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL. STRAIGHT) (12.8552)			1	1								
	5199593	*FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (45 DEG.) (12.8552)*			1	1								
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1				1	1			1		
		* NOT SERVICED, USE 5199575 BULK HOSE PLUS (1) 5199579 AND (1) 5199593 FITTINGS AND CUT TO SUIT.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 420	421	422	423	424	425	426	427	433	440	441	442
		2.5156 - CLIP, FILTER OUTLET TUBE												
	3224639	CLIP, 3/8" TUBE (12.4095)			1	1								1
	5177623	CLIP, 3/8" TUBE (2.5120)					1			1				
	2488022	CLIP #6 HOSE (NEOPRENE COATED) (12.8554)			1	1								
	103341	WASHER, 3/8" (12.9190)			1	1								1
		2.5210 - TUBE, FUEL DRAIN												
4A	5116440	ELBOW, RESTRICTED	1	1	1	1	1	1	1	1	1	1	1	1
		2.5215 - HOSE, FUEL DRAIN												
	5186063	HOSE, 1/4" I.D. X 14"L									1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 443	455	456	460	462	464	465	466	467	468	471
		2.5006 - VALVE, FUEL SUPPLY CHECK											
	5122279	VALVE, 1/4" (SPRING TYPE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE											
4A	**5113689**	* HOSE, 3/8" I.D. X 34" L. (7.4699)											1
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)	1										1
	5113214	FITTING (3/8" HOSE X 1/4" EXT. P.T.) (12.6689)											1
	5114049	FITTING (3/8" HOSE X 3/8" INV. FL. TUBE SWIVEL) (1.2001)											1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)											1
	122865	COUPLING, 1/4" P.T. (12.9575)											1
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		2.5020 - CLIP, FUEL SUPPLY TO STRAINER TUBE											
	5171509	CLIP, 5/8" TUBE (9.1591)											1
		2.5050 - TUBE, STRAINER TO FUEL PUMP											
4A	**5121075**	TUBE ASSY. (DEV. L. 7.46")		1				1					
4A	**5121076**	TUBE ASSY. (DEV. L. 12.50")			1								
4A	**5121149**	TUBE ASSY. (DEV. L. 40 3/8")										1	
4A	**5125297**	TUBE ASSY. (DEV. L. 42.96")											1
4A	**5121151**	TUBE ASSY. (DEV. L. 45.16")									1		
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1									
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)									1	1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1					
	5138298	* ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)											1
	444000	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)											1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	2			1			1	1	
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)											1
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)											2
		* INCLUDES SEAL IN 2.5050 PLUS NUT, NOT SOLD SEPARATELY											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 443	455	456	460	462	464	465	466	467	468	471
		2.5060 - TUBE, FUEL PUMP INLET											
	5118783	HOSE ASSY., 1/4" I.D. X 14" L.					1						
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)					1						
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)							1				
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
4A	**5177623**	CLIP (AT WATER PUMP) (3/8" TUBE) (2.5120)									1	1	
4A	**3224539**	CLIP (AT FRONT COVER) (3/8" TUBE) (12.4095)									2	2	
	5112241	CLAMP, TUBE											1
	120687	BOLT, #10-24X1/2" (12.9025)											1
	120217	LOCKWASHER, #10 (12.9200)											1
	110633	NUT, #10-24 (12.9120)											1
		2.5100 - TUBE, FUEL PUMP TO FILTER											
4A	**5124890**	TUBE ASSY. (DEV. L. 35")											1
4A	**5121080**	TUBE ASSY. (DEV. L. 15.88")	1	1				1	1	1			
4A	**5109486**	TUBE ASSY. (DEV. L. 41 5/8")									1		
4A	**5121081**	TUBE ASSY. (DEV. L. 21.28")			1	1							
4A	**5134897**	TUBE ASSY. (DEV. L. 36.22")										1	
4A	**5127817**	TUBE ASSY. (DEV. L. 11 3/16")					1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1		1	1	1	1	1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	2	1	1	1	1	1	
	5138298	* ELBOW ASM. 3/8" 90 DEG SEALASTIC (12.9425)											2
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)											3
		* INCLUDES SEAL IN 2.5100 PLUS NUT, NOT SOLD SEPARATELY											
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE											
	5177623	CLIP (3/8" TUBE)				1							2
	5160388	CLIP (3/8" TUBE) (2.5070)			1				1				
	5133108	CLIP (3/8" TUBE) (2.5070)				1							
	5112241	CLAMP (2.5070)									6	6	2
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)			1	1			1		3	3	1
	110502	BOLT, #10-24X3/4" (12.9025)			1	1			1		3	3	1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)									3	3	1
	120217	LOCKWASHER, #10 (12.9200)									3	3	1
	110633	NUT, #10-24 (12.9120)											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 443	455	456	460	462	464	465	466	467	468	471
		2.5151 - TUBE, FILTER OUTLET											
	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)					1						
	5129623	TUBE ASSY. (DEV. L. 12.68")			1			1	1				
	5129176	TUBE ASSY. (DEV. L. 12.18") (TO HEAD)					1						
	5126359	* TUBE ASSY. (DEV. L. 16.40")									1	1	
	5124908	TUBE ASSY. (DEV. L. 16 7/8") (2.5150)											1
	5125318	* TUBE ASSY. (DEV. L. 19 3/16")								1			
	5125319	TUBE ASSY. (DEV. L. 19.50")	1										
	5104094	TUBE (FILTER TO MANIFOLD) (RH)				1							
	5103959	TUBE (FILTER TO MANIFOLD) (LH)		1									
	5199575	HOSE, BULK #6 (CUT L. 16")								1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	2	1	1	2	2		2	2	
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	2	1		1				2			
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)					1						2
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)					2						
	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL. STRAIGHT) (12.8552)								1			
	5199593	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (45 DEG.) (12.8552)								1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1			1	1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					3						2
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		@ INCLUDES SEAL IN 2.5151 PLUS NUT, NOT SOLD SEPARATELY											
		2.5156 - CLIP, FILTER OUTLET TUBE											
	2488022	CLIP #6 HOSE (NEOPRENE COATED) (12.8554)								1			
	5177623	CLIP, 3/8" TUBE (2.5120)		1									
	103341	WASHER, 3/8" (12.9190)								1			
		2.5210 - TUBE, FUEL DRAIN											
4A	5128016	* TUBE ASSY. (5/16"X10.12" DEV. L.) (TO FLEX. TUBE)					1						
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)					1						
4A	5116440	ELBOW, RESTRICTED	1	1	1	1	1	1	1	1	1	1	1
	5138293	@ ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)					1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 443	455	456	460	462	464	465	466	467	468	471
		2.5210 - TUBE, FUEL DRAIN (CONT'D)											
	5138305	@ CONNECTOR ASM. 3/8" SEALASTIC (12.9415)					1						
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					1						
		* OBSOLETE: CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		@ INCLUDES SEAL IN 2.5210 PLUS NUT, NOT SOLD SEPARATELY											
		2.5215 - HOSE, FUEL DRAIN											
4A	**5118782**	TUBE ASSY. (FLEX.) (2.5210)					1						
	5129867	@ HOSE, 1/4" I.D. X 35" L (7.4075)											1
	5189294	FITTING (1/4" HOSE X 1/4" INV. FL. TUBE SWIVEL) (5.7100)											2
	9432264	CONNECTOR, 5/16" INV. FL. TUBE X 1/4" P.T. (12.9460)											1
	122865	COUPLING, 1/4" P.T. (12.9575)											1
		@ STD. LENGTH HOSE CUT TO LENGTH SHOWN.											
		2.5220 - CLIP, FUEL DRAIN TUBE											
4A	**5177623**	CLIP, 3/8" TUBE (2.5120)					1						
4A	**5153473**	CLIP, 1/2" TUBE (4.6040)											1
		2.5230 - BRACKET, FUEL DRAIN TUBE CLIP											
	5173022	SUPPORT (5.5379)					1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 476	477	481	483	487	490	491	496	497	498	499	500
		2.5001 - TUBE, FUEL SUPPLY TO STRAINER												
	5127403	* TUBE ASSY. (DEV. L. 13")				1								
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE, 1/4" (SPRING TYPE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
4A	5126951	* TUBE ASSY. (3/8"I.D.X14"L.)				2								
	442338	UNION, 3/8" INV. FL. TUBE (12.9475)				2								
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5129375	TUBE ASSY. (DEV. L. 7.38")	1											
4A	5121498	* TUBE ASSY. (DEV. L. 12.30")		1										
4A	5121101	TUBE ASSY. (DEV. L. 14.80")			1									
4A	5127401	* TUBE ASSY. (DEV. L. 58.50")				1								
4A	5129160	* TUBE ASSY. (DEV. L. 10.62")					1							
1A	5125766	TUBE ASSY. (DEV. L. 11.16")								1				
4A	5121149	TUBE ASSY. (DEV. L. 39.76")										1		
	5121151	TUBE ASSY. (DEV. L. 45.16")											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1	1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2					2				
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)										1	1	
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1							
	5138298	@ ELBOW 3/8" SEALASTIC 90 DEG. (12.9425)					1							
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)					1							
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5050 PLUS NUT, NOT SOLD SEPARATELY												
		2.5060 - TUBE, FUEL PUMP INLET												
	5130687	HOSE, #6 X 22 3/4" L.						1	1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 476	477	481	483	487	490	491	496	497	498	499	500
		2.5060 - TUBE, FUEL PUMP INLET (CONT'D)												
	442330	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1	1					
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)						1	1					
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	5177623	CLIP, 3/8" TUBE (2.5120)			2								2	2
4A	5160388	CLIP, 3/8" TUBE											1	1
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	5129376	* TUBE ASSY. (DEV. L. 11.66")	1											
4A	5109486	TUBE ASSY. (DEV. L. 41.62")			1									
4A	5121080	TUBE ASSY. (DEV. L. 15.88")				1								
4A	5129415	* TUBE ASSY. (DEV. L. 12.12")					1							
4A	5131519	TUBE ASSY. (DEV. L. 26")						1	1					
4A	5125765	TUBE ASSY. (DEV. L. 10.62")								1				
4A	5123746	TUBE ASSY. (DEV. L. 55.16")									1			
4A	5129096	* TUBE ASSY. (DEV. L. 42")										1		
4A	5134899	TUBE ASSY. (DEV. L. 36.90")											1	
4A	5109488	TUBE ASSY. (DEV. L. 41.62")												1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1						1	1	1
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2		1	1		2	2	2		1	1	1
4A	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)									1			
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)									1			
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)					1				2			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@INCLUDES SEAL IN 2.5100 PLUS NUT. NOT SOLD SEPARATELY												
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
	3248643	HOSE, 3/8" I.D. X 18" L. (4.7100)		1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2										
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
4A	5160388	CLIP, 3/8" TUBE (2.5070)				1						1		
4A	5151883	CLIP, 3/8" TUBE (2.5070)									1			
4A	3223197	CLIP (7.4580)										1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 476	477	481	483	487	490	491	496	497	498	499	500
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)												
	5112241	CLAMP (2.5070)											6	6
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)				1								
	110502	BOLT, #10-24X3/4" (12.9025)											3	3
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				1								
	120217	LOCKWASHER, #10 MED. (12.9200)											3	3
	110633	NUT, #10-24 (12.9120)											3	3
		2.5151 - TUBE, FILTER OUTLET												
4A	5127204	TUBE ASSY. (DEV. L. 10")								1				
4A	5128008	* TUBE ASSY. (DEV. L. 11.24")			1									
4A	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)		1			1					1	1	1
4A	5129623	TUBE (DEV. L. 12.68")									1			
4A	5129240	* TUBE (DEV. L. 13.04")												
4A	5127639	* TUBE ASSY. (DEV. L. 18.42") (TO HEAD)		1										
4A	5129377	TUBE ASSY. (DEV. L. 18.60") (2.5150)	1											
4A	5125318	* TUBE ASSY. (DEV. L. 19.50")				1								
4A	5129232	* TUBE (DEV. L. 22.50")									1			
	5137131	HOSE ASSY., #6 X47" L.						1	1					
	5138305	@ CONNECTOR ASM.3/8"SEALASTIC(12.9415)		2							2			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1									1	1	1
	5138293	@ ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)	1	1			1							
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1		2								
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)		1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2	2			2	2	2		1	2	2
	5138291	@ TEE 3/8" SEALASTIC (2.5100)									1			
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)	1	2			2				4			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5151 PLUS NUT, NOT SOLD SEPARATELY												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5151883	CLIP, 3/8" TUBE (2.5070)	1											
	2488022	CLIP #6 HOSE (NEOPRENE COATED) (12.8554)				1								
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5131558	* HOSE, 9 3/4" L.					1							
	5137131	HOSE, 47" L.						1	1					
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 476	477	481	483	487	490	491	496	497	498	499	500
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE (CONT'D)												
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)					1							
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
4A	5128016	* TUBE ASSY. (DEV. L. 10.12")		1							1			
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)		1			1							
4A	5129242	* TUBE (DEV. L. 25.88") (CROSSOVER)									1			
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						1	1					
	5138305	@ CONNECTOR 3/8" SEALASTIC (12.9415)					1				1			
	5116440	ELBOW, RESTRICTED	1	1		1	1	1	1	1	1	1	1	1
	5127911	ELBOW, RESTRICTED			1									
	5138293	@ ELBOW 3/8" SEALASTIC 45 DEG. (12.9425)		1			1				1			
	5138298	@ ELBOW 3/8" SEALASTIC 90 DEG. (12.9425)		1										
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)		2			2				2			
	5121182	PLUG, 1/4" PIPE (2.4015)									1			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5210 PLUS NUT, NOT SOLD SEPARATELY												
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
4A	5186063	HOSE, 1/4" I.D. X 14" L				1	1	1						
	5135025	HOSE, 5/16" X 12" L						1	1					
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)				1								
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)							1					
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	5110070	CLIP (3/8" TUBE) (2.5120)		1							1			
4A	5170860	CLIP (1/2" TUBE) (4.6040)					1							
	5112241	CLAMP (2.5070)						4	4		4			
	5185432	CLAMP (2.5120)						2	2		4			
	120221	BOLT, #10-24X1/2" (12.9025)									1			
	132908	BOLT, #10-32X1/2" (12.9025)												
	179839	BOLT, 3/8"-16X1" (12.9001)		1							1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 476	477	481	483	487	490	491	496	497	498	499	500
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)												
	103341	WASHER, 3/8" (12.9190)		1							1			
	120217	LOCKWASHER, #10 MED. (12.9200)						2	2		4			
	103321	LOCKWASHER, 3/8" (12.9200)		1							1			
	110633	NUT, #10-24 (12.9120)						2	2					
	120814	NUT, #10-32 (12.9120)									4			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	502	503	504	505	506	510	519	520	523	524	525
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE, 1/4" (SPRING TYPE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
4A	**5113689**	* HOSE, 3/8" I.D. X 34" L. (7.4699)							1					
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)							1					
	5113214	FITTING (3/8"HOSE X 1/4" EXT.) (12.6689)							1					
	5114049	FITTING (3/8" HOSE X 3/8" INV. FL. TUBE SWIVEL)							1					
	122865	COUPLING, 1/4" PT. (12.9575)							1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1					
		* STD. LENGTH HOSE CUT TO LENGTH SHOWN.												
		2.5020 - CLIP, FUEL SUPPLY TO STRAINER TUBE												
	5171509	CLIP, 5/8" TUBE (9.1591)							1					
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	**5121101**	TUBE ASSY. (DEV. L. 14.80")			1									
4A	**5179513**	TUBE ASSY. (DEV. L. 39.32")	1							1				
A	**5114860**	TUBE ASSY. (DEV. L. 43.06")		1										
4A	**5121100**	TUBE ASSY. (DEV. L. 9.40")				1								
4A	**5124548**	TUBE ASSY. (DEV. L. 34.36")					1							
4A	**5124547**	TUBE ASSY. (DEV. L. 34.36")						1						
4A	**5127393**	TUBE ASSY. (DEV. L. 45.16")							1					
4A	**5121076**	TUBE ASSY. (DEV. L. 12.50")									1			
4A	**5108440**	@ TUBE ASSY. (DEV. L. 12.84")										1		
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)							1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1				1	1		1	2			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	2	2								
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1	1			1	1		1				
	5138298	* ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)							2			1		
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)							2			1		
		@ OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	502	503	504	505	506	510	519	520	523	524	525
		2.5050 - TUBE, STRAINER TO FUEL PUMP (CONT'D)												
		* INCLUDES SEAL IN 2.5050 PLUS NUT, NOT SOLD SEPARATELY												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	**5177623**	CLIP, 3/8" TUBE (2.5120)	2		2		2	2		2				
4A	**5160388**	CLIP, 3/8" TUBE	1				1	1						
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	**5108529**	@ TUBE ASSY. (DEV. L. 12.40")										1		
4A	**5108445**	@ TUBE ASSY. (DEV. L. 52.68")											1	
4A	**5108473**	TUBE ASSY. (DEV. L. 44")												1
4A	**5134899**	TUBE ASSY. (DEV. L. 36.90")				1								
4A	**5109488**	TUBE ASSY. (DEV. L. 41.62")			1									
4A	**5134900**	TUBE ASSY. (DEV. L. 36.90")	1											
4A	**5130074**	TUBE ASSY. (DEV. L. 41.18")		1										
4A	**5119089**	@ TUBE ASSY. (DEV. L. 31.50")					1							
4A	**5134903**	TUBE ASSY. (DEV. L. 31.50")						1						
4A	**5127841**	TUBE ASSY. (DEV. L. 36.58")							1					
4A	**5134898**	TUBE ASSY. (DEV. L. 36.40")								1				
4A	**5121081**	TUBE ASSY. (DEV. L. 21.28")									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1	1	1		1	1			1
4A	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1	1		1	1	1	1	1
	5138293	* ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)							1					
	5138298	* ELBOW 3/8" SEALASTIC 90 DEG. (12.9425)							1			1	1	
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)							2			1	2	
		@ OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		* INCLUDES SEAL IN 2.5100 PLUS NUT, NOT SOLD SEPARATELY												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
4A	**5160388**	CLIP, 3/8" TUBE (2.5070)									1			
4A	**5151883**	CLIP, 3/8" TUBE (2.5070)											1	
4A	**5169119**	CLIP, 3/8" TUBE		1										
4A	**5177623**	CLIP, 3/8" TUBE				2			2					2
	5112241	CLAMP (2.5070)	6	6			4	4	4	6				
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)									1			
	110502	BOLT, #10-24X3/4" (12.9025)	3	2			2	2	2	3				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	502	503	504	505	506	510	519	520	523	524	525
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)												
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)									1			
	120217	LOCKWASHER, #10 MED. (12.9200)	3	2			2	2	2	3				
	110633	NUT, #10-24 (12.9120)	3	2			2	2	2	3				
		2.5151 - TUBE, FILTER OUTLET												
4A	5109655	TUBE ASSY. (DEV. L. 8.89")					1	1						
4A	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)										1		
4A	5129623	TUBE (DEV. L. 12.68")	1	1	1	1				1	1			
4A	5129240	* TUBE (DEV. L. 13.04")											1	
4A	5127790	TUBE ASSY. (DEV. L. 22.20")							1					
4A	5129232	* TUBE (DEV L. 22.50")											1	
	5138305	@ CONNECTOR ASM.3/8"SEALASTIC(12.9415)											2	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1	1	1		1	1			
	5138293	@ ELBOW 3/8" SEALASTIC 45 DEG. (12.9425)										1		
	5138298	@ ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)							2					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	1	2	2	2	2		1	1			
	5136132	ADAPTOR, 1/4" RESTRICTED	1											
	5138291	@ TEE ASM. 3/8" SEALASTIC (2.5100)											1	
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)							2			2	6	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5151 PLUS NUT, NOT SOLD SEPARATELY												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	3291251	CLIP, 5/8" TUBE (1.1060)												1
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5131558	* HOSE, 9 3/4" L.										1		
	5145903	HOSE ASSY., 6" X 24"												1
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)										1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)										1		1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 501	502	503	504	505	506	510	519	520	523	524	525
		2.5210 - TUBE, FUEL DRAIN												
4A	**5128016**	* TUBE ASSY. (DEV. L. 10.12")											1	
4A	**5128283**	* TUBE (DEV. L. 25.82") (CROSSOVER)										1		
4A	**5129242**	* TUBE (DEV. L. 25.88") (CROSSOVER)											1	
	5138305	@ CONNECTOR ASM. 3/8" SEALASTIC (12.9415)										1		
	5116440	ELBOW, RESTRICTED		1	1	1	1	1	1	1	1	1	1	1
	5138293	@ ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)										1	1	
	5138298	@ ELBOW ASM. 3/8 SEALASTIC 90 DEG. (12.9425)											1	
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)										2	2	
	5121182	PLUG, 1/4" PIPE (2.4015)											1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5210 PLUS NUT, NOT SOLD SEPARATELY												
		2.5215 - HOSE, FUEL DRAIN												
4A	**5186063**	@ HOSE, 1/4" I.D. X 14" L.										1		
4A	**5129867**	@ HOSE, 1/4" I.D. X 38" L. (7.4075)							1					
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)							1					
	5189294	FITTING (1/4" HOSE X 1/4" INV. FL. TUBE SWIVEL) (1.2001)							2					
	122865	COUPLING, 1/4" P.T. (12.9575)							1					
		@ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	**5110070**	CLIP, 3/8" TUBE (2.5120)											1	
4A	**5170860**	CLIP, 1/2" TUBE (4.6040)										1		
4A	**5153473**	CLIP, 1/2" TUBE (4.6040)							1					
	5185432	CLAMP (2.5120)											4	
	132908	BOLT, #10-32X1/2" (12.9025)											4	
	179?39	BOLT, 3/8"-16X1" (12.9001)											1	
	103341	WASHER, 3/8" (12.9190)											1	
	120217	LOCKWASHER, #10 MED. (12.9200)											4	
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	120614	NUT, #10-32 (12.9120)											4	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 527	528	533	535	539	543	544	546	549	550	554	556
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE, 1/4" (SPRING TYPE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	**5121149**	TUBE ASSY. (DEV. L. 39.76")			1									
4A	**5179513**	TUBE ASSY. (DEV. L. 39.32")				1								
4A	**5109448**	TUBE ASSY., FLEX. (5/16"I.D.X37 1/4"L) (2.5149)										1		
4A	**5162829**	TUBE ASSY. (DEV. L. 6.34")											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1								
	118755	ELBOW, 3/8" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)						1				2		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1									
	9432267	ELBOW, 3/8" INV. FL. TUBE (12.9460)				1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)											1	
	5138298	* ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)											1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)											1	
		* INCLUDES SEAL IN 2.5050 PLUS NUT, NOT SOLD SEPARATELY												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	**5160388**	CLIP, 3/8" TUBE			1									
4A	**5177623**	CLIP, 3/8" TUBE (2.5120)			1	2								
4A	**3291251**	CLIP, 5/8" TUBE (1.1060)										2		
4A	**5112241**	CLAMP, TUBE											4	
	5173022	SUPPORT, CLIP (5.5379)										1		
	110502	SCREW, #10-24X3/4" RD. HD. (12.9025)											2	
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1		
	120393	WASHER, 5/16" (12.9190)										1		
	120217	LOCKWASHER, #10 (12.9200)											3	
	103320	LOCKWASHER, 5/16" (12.9200)										1		
	110633	NUT, #10-24 (12.9120)											2	
	120376	NUT, 5/16"-18 (12.9120)										1		
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	**5108529**	* TUBE ASSY. (DEV. L. 12.40")		1										
4A	**5134897**	TUBE ASSY. (DEV. L. 36.22")			1					1	1			
4A	**5134898**	TUBE ASSY. (DEV. L. 36.22")				1								

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 527	528	533	535	539	543	544	546	549	550	554	556
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)												
4A	**5109294**	* TUBE ASSY. (DEV. L. 20.20")					1							
4A	**5109199**	* TUBE ASSY. (DEV. L. 50.36")							1					
4A	**5162799**	* TUBE ASSY. (DEV. L. 21.10")											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1	1			1	1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1		1		1	1	1		1	
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)		1					1				1	
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)				1								
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		1					1				1	
	5121182	PLUG, 1/4" PIPE (2.4015)				1								
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5100 PLUS NUT, NOT SOLD SEPARATELY												
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
4A	**5129441**	* HOSE ASSY., 3/8 I.D.X36 L. (2.5050)	1											
4A	**5113689**	@ HOSE, 3/8" I.D. X 51" L.						1						
4A	**2309922**	HOSE ASSY., 5/16 I.D.X47 5/8 L. (2.5100)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1					1						
	5114049	FITTING, 3/8" HOSE X 3/8" INV. FL. TUBE SWIVEL (2.5010)	2					2						
	118755	ELBOW, 3/8" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)										1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1											
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5171509	CLIP, 5/8" TUBE (9.1591)	2					4						
	140573	CLIP, 5/8" TUBE (12.9630)	1											
	5169119	CLIP, 3/8" TUBE							1					
	5177623	CLIP, 3/8" TUBE								1	1			
	3290076	CLIP, 5/8" TUBE										4		
	5112241	CLAMP (2.5070)			6	4								
	5159398	BRACKET, CLIP (4.1540)						1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 527	528	533	535	539	543	544	546	549	550	554	556
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)												
	5196119	SPACER (3.4001)						1						
	110502	BOLT, #10-24X3/4" (12.9025)			3	2								
	186630	BOLT, 1/4"-20X5/8" (12.9001)							1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)						1						
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						1						
	120392	WASHER, 1/4" (12.9190)							1					
	120393	WASHER, 5/16" (12.9190)						1						
	120217	LOCKWASHER, #10 (12.9200)			3	2								
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	110633	NUT, #10-24 (12.9120)			3	2								
	120376	NUT, 5/16"-18 (12.9120)						1						
		2.5151 - TUBE, FILTER OUTLET												
	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)		1									1	1
4A	5109204	* TUBE (DEV. L. 12.94") (RIGHT BANK)							1					
4A	5135115	* TUBE (DEV. L. 24.74") (LEFT BANK)							1					
4B	5129623	TUBE ASSY. (DEV. L. 12.68")								1	1	1		
4B	5125319	TUBE ASSY. (DEV. L. 19.50")			1									
4A	5109227	* TUBE ASSY. (DEV. L. 21.50")					1							
4A	5162797	TUBE ASSY. (DEV. L. 23.50")											1	
	5199575	HOSE, BULK #6 (CUT L. 16") (12.8550)				1								
	5185519	TEE, 3/8" TUBE SEALASTIC (2.5100)							1					
	5138305	@ CONNECTOR ASM. 3/8" SEALASTIC (12.9415)							2				1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1	1			1	1	1		
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)				1		-						
	5199593	FITTING, #6 HOSE (5/8"-18 MALE INV. FL. TUBE) (90 DEG.)				1								
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			2		1						1	
	5138293	@ ELBOW ASM. 3/8 SEALASTIC 45 DEG. (12.9425)		1									1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1				1	1	1		
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)											1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		2					4				3	2
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5151 PLUS NUT, NOT SOLD SEPARATELY												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5177623	CLIP (3/8" TUBE) (2.5120)					1							

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2.5000A FUEL LINES

REF	PART NUMBER	NAME AND DESCRIPTION	TYPES 527	528	533	535	539	543	544	546	549	550	554	556
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5131558	* HOSE (3/8"I.D.X9 3/4"L.)		1										
	5113689	@ HOSE, 3/8" I.D. X 20" L. (7.4699)	1											
	5113689	@ HOSE, 3/8" I.D. X 6 1/2" L. (7.4699)						1						
	190367	ELBOW, 1/4" STREET 90 DEG. BR. (12.9590)		1										
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1						
	5114049	FITTING, 3/8" HOSE X 3/8" INV. FL. TUBE SWIVEL (1.2001)	2					2						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ STD. LENGTH HOSE CUT TO LENGTH SHOWN.												
		2.5210 - TUBE, FUEL DRAIN												
4A	**5128283**	* TUBE (DEV. L. 25.82") (CROSSOVER)	1										1	
4A	**5129242**	* TUBE (DEV. L. 25.88") (CROSSOVER)							1					
	5116440	ELBOW, 5/16" INV. FL. .070 RESTRICTED	1	1	1	1	1	1	1	1	1	1	1	1
	5138293	@ ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)		1					1				1	1
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)							1				1	1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)												1
	5138305	@ CONNECTOR ASM.3/8"SEALASTIC(12.9415)		1										
	5128522	EXTENSION, 3/8" INV. FL. TUBE, 2" L.							1					
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)		2					2				2	2
	5121182	PLUG, 1/4" PIPE (2.4015)							1					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5210 PLUS NUT, NOT SOLD SEPARATELY												
		2.5215 - HOSE, FUEL DRAIN												
4A	**5186063**	HOSE ASSY. (1/4"I.D.X14"L.)		1										1
4A	**5162901**	* HOSE ASSY. (1/4"I.D.X22"L.)											1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

FIG - PART NUMBER	NAME AND DESCRIPTION	TYPES 527	528	533	535	539	543	544	546	549	550	554	556
	2.5220 - CLIP, FUEL DRAIN TUBE												
4A **5170860**	CLIP, 1/2" TUBE (4.6040)		1										1
4A **5171509**	CLIP, 5/8" TUBE (9.1591)											1	
4A **5112241**	CLAMP (2.5070)							4				4	
132908	SCREW, #10-32X5/8" RD. HD. SL. (12.9025)							2				2	
179835	BOLT, 3/8"-16X5/8" (12.9001)											1	
179839	BOLT, 3/8"-16X1" (12.9001)												1
120217	LOCKWASHER, #10 (12.9200)							2				2	
103321	LOCKWASHER, 3/8" (12.9200)											1	1
120614	NUT, #10-32 (12.9120)							2				2	

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2.5000A FUEL LINES

RNG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	565	566	569	570	574	575	578	579	580	581
	2.5001 - TUBE, FUEL SUPPLY TO STRAINER												
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1									
	2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE, 1/4" (SPRING TYPE)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	2.5010 - TUBE, FUEL SUPPLY TO STRAINER *FLEXIBLE*												
4A	**5186063**	* HOSE ASSY. (1/4" I.D. X 14" L)				1							
	9432264	CONNECTOR, 5/16" INV. FL. TUBE X 1/4" P.T. (12.9460)				1							
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
	2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	**5179513**	TUBE ASSY. (DEV. L. 39.32")				1							
4A	**5109448**	TUBE ASSY., FLEX. (5/16"I.D.X37 1/4"L) (2.5149)										1	
4A	**5138772**	TUBE ASSY. (DEV. L. 39.32")		1									
4A	**5108440**	@ TUBE ASSY. (DEV. L. 12.84") (SD-29)						1					
4A	**5130947**	@ TUBE ASSY. (DEV. L. 9.10")							1				
4A	**5121151**	TUBE ASSY. (DEV. L. 45.16")								1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1			1	1			
	442330	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (12.9460)			1								
	118755	ELBOW, 3/8" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)					1					2	
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1		1				1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1	1				
	5138298	* ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)						1					
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)						1					
		@ OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		* INCLUDES SEAL IN 2.5050 PLUS NUT, NOT SOLD SEPARATELY											
	2.5060 - TUBE, FUEL PUMP INLET												
	115149	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	565	566	569	570	574	575	578	579	580	581
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
4A	5160388	CLIP, 3/8" TUBE				1							
4A	5177623	CLIP, 3/8" TUBE (2.5120)		1		1				2			
4A	3291251	CLIP, 5/8" TUBE (1.1060)										2	
4A	5112241	CLAMP		6									
	5173022	SUPPORT, CLIP (5.5379)										1	
	132119	SCREW, #10-32X5/8" FIL. HD. (12.9010)		3									
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1	
	120393	WASHER, 5/16" (12.9190)										1	
	120217	LOCKWASHER, #10 (12.9200)		3									
	103320	LOCKWASHER, 5/16" (12.9200)										1	
	120614	NUT, #10-32 (12.9120)		3									
	120376	NUT, 5/16"-18 (12.9120)										1	
		2.5100 - TUBE, FUEL PUMP TO FILTER											
4A	5108529	* TUBE ASSY. (DEV. L. 12.40")						1					
4A	5130074	TUBE ASSY. (DEV. L. 41.18")	1										
4A	5130246	TUBE ASSY. (DEV. L. 37.72")		1									
4A	5134900	TUBE ASSY. (DEV. L. 36.22")				1							
4A	5130608	TUBE ASSY. (DEV. L. 18.38")					1						
4A	5131138	* TUBE ASSY. (DEV. L. 13.60")							1				
4A	5109486	TUBE ASSY. (DEV. L. 41.62")								1			
4A	5130158	* TUBE ASSY. (DEV. L. 38.80")									1		
4A	5109487	TUBE ASSY. (DEV. L. 41.62")											1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1		1	2		1	1	1		1
	442330	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (12.9460)		1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1			1		1	1	1	1		1
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)						1					
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)						1					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		@ INCLUDES SEAL IN 2.5100 PLUS NUT, NOT SOLD SEPARATELY											
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE											
4A	2309921	HOSE ASSY. (5/16"I.D.X44 1/2" L.) (2.5100)										1	
	118755	ELBOW, 3/8" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)										1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	565	566	569	570	574	575	578	579	580	581
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE											
	5177623	CLIP, 3/8" TUBE	1	1									
	3290076	CLIP, 5/8" TUBE										3	
	5160388	CLIP, 3/8" TUBE (2.5070)	1				1						
	5110070	CLIP, 3/8" TUBE		2									
	5151883	CLIP, 3/8" TUBE (2.5070)									1		
	5112241	CLAMP (2.5070)				6				6			
	5159347	SPACER (7.1581)	1										
	5196119	SPACER (3.4001)	1	1			1						
	110502	BOLT, #10-24X3/4" (12.9025)				3				3			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1						
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	1										
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		1									
	103341	WASHER, 3/8" (12.9190)		1									
	120217	LOCKWASHER, #10 (12.9200)				3				3			
	103321	LOCKWASHER, 3/8" (12.9200)		1									
	110633	NUT, #10-24 (12.9120)				3				3			
	117049	NUT, 3/8"-24 (12.9120)		1									
		2.5151 - TUBE, FILTER OUTLET											
	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)			1			1					
4A	5130927	* TUBE ASSY. (DEV. L. 9.12")									1		
4A	5128008	* TUBE ASSY. (DEV. L. 11.24")								1			
4B	5129623	TUBE ASSY. (DEV. L. 12.68")	1			1						1	
4A	5126360	+ TUBE ASSY. (DEV. L. 16.40")											1
4A	5125318	* TUBE ASSY. (DEV. L. 19.50")							1				
4A	5130607	TUBE ASSY. (DEV. L. 28.84")					1						
	5138305	@ CONNECTOR ASM. 3/8" SEALASTIC (12.9415)			1			1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1				1	1	1	
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)					2		2				
	5138293	@ ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)			1			1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1			1			2	1	1	1	2
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			2			2					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		@ INCLUDES SEAL IN 2.5151 PLUS NUT, NOT SOLD SEPARATELY											
		+ NOT SERVICED, USE 5199575 BULK HOSE PLUS (1) 5199579 AND (1) 5199593 FITTINGS AND CUT TO SUIT.											
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE											
	5171509	CLIP, 5/8" TUBE (9.1591)			1								
	5158973	CLIP, 3/8" TUBE (4.8040)					1						
	2488022	CLIP, #6 HOSE (NEOPRENE COATED) (12.8554)							1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	565	566	569	570	574	575	578	579	580	581
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE (CONT'D)											
	5188969	BRACKET (4.1540)					1						
	123435	BOLT, 1/4"-28X5/8" (12.9001)					1						
	179835	BOLT, 3/8"-16X5/8" (12.9001)					1						
	120380	LOCKWASHER, 1/4" (12.9200)					1						
	103321	LOCKWASHER, 3/8" (12.9200)					1						
	121902	NUT, 1/4"-28 (12.9120)					1						
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE											
	5131558	* HOSE (3/8"I.D.X9 3/4"L.)						1					
	5162839	HOSE ASSY. (5/16"I.D.X30 1/2"L.)			1								
	190367	ELBOW, 1/4" STREET 90 DEG. BR. (12.9590)			1			1					
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)						1					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5210 - TUBE, FUEL DRAIN											
4A	**5128283**	* TUBE (DEV. L. 25.82") (CROSSOVER)			1			1					
	5116440	ELBOW, RESTRICTED	1	1	1	1		1	1	1	1	1	1
	5138293	@ ELBOW ASM. 3/8" SEALASTIC 45 DEG. (12.9425)			1			1					
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)			1			1					
	5130679	CONNECTOR, RESTRICTED					1						
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)			2			2					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 2.8550.											
		@ INCLUDES SEAL IN 2.5210 PLUS NUT, NOT SOLD SEPARATELY											
		2.5215 - HOSE, FUEL DRAIN											
4A	**5186063**	HOSE ASSY. (1/4"I.D.X14"L.)				1		1					
4A	**5129867**	@ HOSE (1/4"I.D.X30"L.) (5.7100)			1								
4A	**5130812**	HOSE ASSY. (5/16"I.D.X50 11/16"L.)						1					
	9432264	CONNECTOR, 5/16" INV. FL. TUBE X 1/4" P.T. (12.9460)				1							
	118750	CONNECTOR, 3/8" HOSE X 1/4" P.T. (12.9460)						1					
	116332	BUSHING, 3/8"X1/4" PIPE RED (12.9570)						1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	565	566	569	570	574	575	578	579	580	581
		2.5215 - HOSE, FUEL DRAIN (CONT'D)											
	5189294	FITTING (1/2"-20 INV. MALE HOSE) (5.7100)			1								
	5189292	FITTING (1/2"-20 FEMALE SWIVEL HOSE) (5.7100)			1								
		@ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		2.5220 - CLIP, FUEL DRAIN TUBE											
4A	**5170860**	CLIP, 1/2" TUBE (4.6040)			1			1					
	5171509	CLIP, 5/8" TUBE (9.1591)						4					
	186618	BOLT, 3/8"-16X5/8" (12.9001)						2					
	180120	BOLT, 3/8"-16X3/4" (12.9001)						1					
	103320	LOCKWASHER, 5/16" (12.9200)						2					
	103321	LOCKWASHER, 3/8" (12.9200)			1			1					
	120376	NUT, 5/16"-18 (12.9120)						1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 582	585	588	596	600	602	611	612	613	614	618	620
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5121101	TUBE ASSY. (DEV. L. 14.80")												1
4A	5121149	TUBE ASSY. (DEV. L. 39.76")											1	
4A	5130461	* TUBE ASSY. (DEV. L. 44.50")	1											
4A	5130691	HOSE ASSY. (5/16"I.D.X21"L.) (2.5149)						1						
4A	5139289	* HOSE ASSY. (3/8"I.D.X35 5/16"L.)										1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1										1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1				2		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1					1					1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	5151883	CLIP, 3/8" TUBE	1											
4A	5177623	CLIP, 3/8" TUBE (2.5120)	1										1	
4A	5153473	CLIP, 1/2" TUBE (4.6040)										1		
4A	5151108	CLIP, 1/2" TUBE (12.4095)										1		
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	5131157	* TUBE ASSY. (DEV. L. 14.56")		1										
4A	5121080	TUBE ASSY. (DEV. L. 15.88")									1			
A	5134897	TUBE ASSY. (DEV. L. 36.22")										1	1	
A	5130158	* TUBE ASSY. (DEV. L. 38.80")	1											
4A	5109487	TUBE ASSY. (DEV. L. 41.62")												1
4A	5130860	* TUBE ASSY. (DEV. L. 49.24")			1									
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1							1		1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1						1		1	1
	5138298	@ ELBOW ASM. 3/8" SEALASTIC 90 DEG. (12.9425)			1									
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			1									
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		@ INCLUDES SEAL IN 2.5100 PLUS NUT, NOT SOLD SEPARATELY												
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
	5109738	HOSE ASSY. (5/16" I.D.X50 1/2"L.)				1								
	5130688	HOSE ASSY. (5/16"I.D.X17 1/4"L.) (2.5215)						1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 582	585	588	596	600	602	611	612	613	614	618	620
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE (CONT'D)												
	5131840	HOSE ASSY. (5/16"I.D.X25 1/4"L.)								1				
	5130691	HOSE ASSY. (5/16"I.D.X21"L.) (2.5149)										1		
	118755	ELBOW, 3/8" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)				2								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						2		2		2		
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5112241	CLAMP (2.5070)	4		6								6	
4A	3224539	CLIP, 3/8" TUBE (12.4095)			2									
4A	5171509	CLIP, 5/8" TUBE (9.1591)				1								
4A	5100364	CLIP, 5/8" TUBE (2.5070)				1								
4A	5153473	CLIP, 1/2" TUBE (4.6040)								1		1		2
4A	5177623	CLIP, 3/8" TUBE												
	110502	SCREW, #10-24X3/4" RD. HD. SLTD. (12.9025)	2										3	
	132908	SCREW, #10-32X1/2" RD. HD. SLTD. (12.9025)			3									
	179839	BOLT, 3/8"-16X1" (12.9001)				1						1		
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)										1		
	5152148	WASHER, 3/8" SEAL (2.4050)										3		
	120217	LOCKWASHER, #10 (12.9200)	2		3									
	103321	LOCKWASHER, 3/8" (12.9200)				1							3	
	110633	NUT, #10-24 (12.9120)	2											
	120614	NUT, #10-32 (12.9120)			3									
		2.5151 - TUBE, FILTER OUTLET												
	5129623	TUBE ASSY. (DEV. L. 12.68")	1								1		1	
	5109227	* TUBE ASSY. (DEV. L. 21.50")		1										1
	5126360	+ TUBE ASSY. (DEV. L. 16.40")												
	5129240	* TUBE (DEV. L. 13.04")			1									
	5129232	* TUBE (DEV. L. 25.30")			1									
	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)						1		1		1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1										
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)						1		1		1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1								1		1	2
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1							1		1	
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)			2			1		1		1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 582	585	588	596	600	602	611	612	613	614	618	620
		2.5151 - TUBE, FILTER OUTLET (CONT'D)												
	5185519	TEE (3/8" SEALASTIC) (2.5100)			1									
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			4			2		2		2		
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)			4			2		2		2		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		+ NOT SERVICED, USE 5199575 BULK HOSE PLUS (1) 5199579 AND (1) 5199593 FITTINGS AND CUT TO SUIT.												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5177623	CLIP, 3/8" TUBE (2.5120)		1										
	140582	CLIP, 1/2" TUBE (12.9630)				1								
	3223197	CLIP (7.4580)				2								
	5171509	CLIP, 5/8" TUBE (9.1591)					1							
	140573	CLIP, 5/8" TUBE (12.9630)										1		
	103341	WASHER, 3/8" (12.9190)		AR								AR		
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5131311	* HOSE ASSY. (5/16"I.D.X21 5/16"L.) (2.5151)				1								
	5130691	HOSE ASSY. (5/16"I.D.X21"L.) (2.5149)				1								
	5125901	HOSE ASSY. (5/16"I.D.X37 1/4"L.) (2.5149)					1							
	5131376	* HOSE ASSY. (5/16"I.D.X10 3/4"L.) (CROSSOVER) (2.5151)					1							
	5131558	* HOSE ASSY. (5/16"I.D.X9 3/4"L.)						1		1				
	5131517	HOSE ASSY. (5/16"I.D.X18 9/16"L.)										1		
	190367	ELBOW, 1/4" STREET 90 DEG. BR. (12.9590)					1	1		1				
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)				1	1	1		1		1		
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)				3								
	444000	ADAPTOR, 1/4" PIPE (12.9460)					1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1					1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
4A	5129242	* TUBE (DEV. L. 25.88") (CROSSOVER)			1	1								
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)						1		1		1		
4A	5128016	* TUBE ASSY. (DEV. L. 10.12")			1	1								

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 582	585	588	596	600	602	611	612	613	614	618	620
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
	5116440	ELBOW, 5/16" RESTRICTED	1	1	1	1	1	1	1	1	1	1	1	1
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)			1	1		1		1		1		
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)			1	1		1		1		1		
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			2	2		2		2		2		
	5121182	PLUG, 1/4" PIPE (2.4015)				1								
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)			2	2		2		2		2		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - HOSE, FUEL DRAIN												
4A	**5129867**	+ HOSE (1/4"I.D.X30"L.) (5.7100)					1							
4A	**5131375**	HOSE ASSY. (5/16"I.D.X27 1/2"L.) (CROSSOVER) (2.5210)					1							
4A	**5186063**	HOSE ASSY. (1/4"I.D.X14"L.)						1		1				
4A	**5124392**	HOSE ASSY. (5/16"I.D.X15"L.) (2.5010)						1						
4A	**5131845**	* HOSE ASSY. (5/16"X78"L.)										1		
	5189294	FITTING (1/4" HOSE X 1/4" INV. FL. TUBE SWIVEL) (5.7100)					1							
	5113322	FITTING (1/4" HOSE SWIVEL) (2.5215)					1							
	143338	*ELBOW, 3/8" INV. FL. TUBE 45 DEG.* (12.9480)					1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1							
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)										1		
	5114551	TAG, CABLE (7.4545)						2						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	**5110070**	CLIP, 3/8" TUBE (2.5120)			1	1								
4A	**5151883**	CLIP, 3/8" TUBE (2.5070)						1		1				
4A	**5170860**	CLIP, 1/2" TUBE (4.6040)					1					1		
4A	**140582**	CLIP, 1/2" TUBE (12.9630)					2							
4A	**5153473**	CLIP, 1/2" TUBE (4.6040)										4		
	5176400	BRACKET, CLIP (4.8010)					1							
	5159393	BRACKET, CLIP (4.1575)										1		
	186618	BOLT, 5/16"-18X5/8" (12.9001)										3		
	179835	BOLT, 3/8"-16X5/8" (12.9001)					1	1		1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)					1							
	179839	BOLT, 3/8"-16X1" (12.9001)			1	1						1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 582	585	588	596	600	602	611	612	613	614	618	620
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)												
	106284	BOLT, 3/8"-24X5/8" (12.9001)					1							
	103341	WASHER, 3/8" (12.9190)			1	1						1		
	103320	LOCKWASHER, 5/16" (12.9200)										3		
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR		AR		AR		
	120376	NUT, 5/16"-18 (12.9120)										1		
	117049	NUT, 3/8"-24 (12.9120)					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 621	622	628	637	649	651	658	659	660	664	669	670
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5121075	TUBE ASSY. (DEV. L. 7.46")				1								
4A	5121100	TUBE ASSY. (DEV. L. 9.40")					1							
4A	5132967	TUBE ASSY. (DEV. L. 11.64")								1				
4A	5121076	TUBE ASSY. (DEV. L. 12.50")		1										
4A	5121101	TUBE ASSY. (DEV. L. 14.80")			1						1	1		
4A	5179513	TUBE ASSY. (DEV. L. 39.32")	1											
4A	5131516	* HOSE ASSY. (3/8"X20 1/4" L.)							1					
4A	5124392	HOSE ASSY. (5/16"I.D.X15"L.) (2.5010)												1
	118755	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)												1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			2	1	2		2	1	2	2		1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	2		1				1				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	5177623	CLIP, 3/8" TUBE (2.5120)	2		1							2		
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	5132968	TUBE ASSY. (DEV. L. 10.10")								1				
4A	5109940	* TUBE ASSY. (DEV. L. 14.50")						1						
4A	5121080	TUBE ASSY. (DEV. L. 15.88")				1								
4A	5121081	TUBE ASSY. (DEV. L. 21.28")		1									1	
4A	5134897	TUBE ASSY. (DEV. L. 36.22")					1							
4A	5134898	TUBE ASSY. (DEV. L. 36.22")	1											
4A	5109486	TUBE ASSY. (DEV. L. 41.62")			1									
4A	5109489	* TUBE ASSY. (DEV. L. 41.62")									1			
4A	5109488	TUBE ASSY. (DEV. L. 41.62")										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1	1	1			1	1	1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1	1		2	1	1	1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
	5124392	HOSE ASSY., 5/16 I.D.X15 L. (2.5010)							1					1
	5131507	HOSE ASSY., 3/8"-15 1/4" L.												1
	190367	ELBOW, 1/4 STREET 90 DEG. (12.9590)												1
	118755	ELBOW, 3/8" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 621	622	628	637	649	651	658	659	660	664	669	670
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE (CONT'D)												
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)							2					
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
4A	3224539	CLIP (3/8" TUBE) (12.4095)												2
4A	5177623	CLIP (3/8" TUBE)					2				2			
4A	5133108	CLIP (3/8" TUBE)		1									1	
	5112241	CLAMP (2.5070)	6											
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)		1									1	
	110502	SCREW, #10-24X3/4 RD. HD. SL. (12.9025)	3											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1									1	
	120217	LOCKWASHER, #10 (12.9200)	3											
	110633	NUT, #10-24 (12.9120)	3											
		2.5151 - TUBE, FILTER OUTLET												
	5129623	TUBE ASSY. (DEV. L. 12.68")			1		1				1	1	1	
	5126360	TUBE ASSY. (DEV. L. 16.40")	1											
	5103959	* TUBE ASSY. (DEV. L. 20.30")		1										
	5109950	* TUBE ASSY. (DEV. L. 21.26")						1						
	5132892	* TUBE ASSY. (DEV. L. 29.50")								1				1
	5137130	HOSE ASSY. (5/16"I.D.X32") (R.B.)							1					
	5131517	HOSE ASSY. (5/16"I.D.X18 9/16") (L.B.)							1					
	444000	ADAPTOR (1/4"-18)							1					
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		2				2	1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2		1		1		3	1	1	1	1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1		1			1	1	1	1	1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	2488022	CLIP, #6 HOSE (NEOPRENE COATED) (12.8554)		1						2				2
	3224539	CLIP, 3/8 TUBE (12.4095)								2				2
	5177623	CLIP, 3/8" TUBE (2.5120)	1											
	5153473	CLIP, 1/2 TUBE (4.6040)				2								
	5171509	CLIP, 5/8 TUBE (9.1591)							1					

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2.5000A FUEL LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 621	622	628	637	649	651	658	659	660	664	669	670
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE (CONT'D)												
	5178595	BRACKET, CLIP (2.5030)				1								
	106284	BOLT, 3/8"-24X5/8" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)				1				AR				
	103341	WASHER, 3/8" (12.9190)												
	117049	NUT, 3/8"-24 (12.9120)				1								
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5132278	HOSE ASSY. (5/16"I.D.X24 3/8"L.)				1								
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)				1								
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1								
		2.5210 - TUBE, FUEL DRAIN												
4A	5135034	TUBE (DEV. L. 22.88") (CROSSOVER)							1					
4A	5135035	TUBE ASSY. (DEV. L. 16.06")							1					
	5127911	ELBOW, 1/4" RESTRICTED			1		1							
	5116440	ELBOW, 5/16" RESTRICTED	1	1		1		1	1	1		1	1	1
	5124978	ELBOW, 5/16" RESTRICTED									1			
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)							2		1			
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)									1			
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)							2					
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)									1			
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)							2					
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	5134840	CLIP, 3/8" TUBE							1					
	180120	BOLT, 3/8"-16X3/4" (12.9001)							1					
	103321	LOCKWASHER, 3/8" (12.9200)							AR					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 671	672	673	681	682	683	685	688	689	690	692	693
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5133670	TUBE ASSY. (DEV. L. 7.08")						1						
4A	5135285	* TUBE ASSY. (DEV. L. 12.84")									1			1
4A	5121149	TUBE ASSY. (DEV. L. 39.76")											1	
4A	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)									1			
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)									1			
	137425	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)									1			
	5176522	ELBOW, 1/2" TUBE SEALASTIC 90 DEG. (12.9425)									1			
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1			
	5176523	NUT, 1/2" TUBE SEALASTIC (12.9445)		1	2			2			1		1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.9550.												
		2.5060 - TUBE, FUEL PUMP INLET												
	5133918	HOSE ASSY. (1/2"I.D.X14"L.)								1				
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)								1				
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
*A	5177623	CLIP, 3/8" TUBE (2.5120)											2	
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	5127817	TUBE ASSY. (DEV. L. 9.24")								1				
4A	5108529	* TUBE ASSY. (DEV. L. 12.40")									1			
4A	5121081	TUBE ASSY. (DEV. L. 21.28")		1	1			1						
4A	5134897	TUBE ASSY. (DEV. L. 36.22")				1							1	
4A	5125390	* TUBE ASSY. (DEV. L. 36.40")												1
4A	5133636	* TUBE (DEV. L. 50.32")										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1	1		1					1	1
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		1	1	1		1		2	1		1	1
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)									1	2		
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)									1	2		
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)									1	2		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK HOSE MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 671	672	673	681	682	683	685	688	689	690	692	693
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
	5131507	HOSE ASSY. (5/16"I.D.X15 1/4"L.)							1					
	5133914	HOSE ASSY. (5/16"I.D.X49 1/4"L.)					1							
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					2		2					
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5160388	CLIP (3/8" TUBE) (2.5070)		1	1			1						1
	5177623	CLIP (3/8" TUBE)										2		
	5161873	CLIP (7/16" TUBE) (7.4412)					2						6	
	140582	CLIP, 1/2" TUBE (12.9630)									2			
	5112241	CLAMP (2.5070)		1	1			1					3	
	5182647	ADAPTOR, CLIP (5.2190)										2		
	5164789	SPACER (5.4025)		1	1			1					3	
	110502	SCREW, #10-24X3/4" RD. HD. SL. (12.9025)												
	186618	BOLT, 5/16"-18X5/8" (12.9001)										2		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		1	1			1					3	
	120217	LOCKWASHER, #10 (12.9200)										2		
	103320	LOCKWASHER, 5/16" (12.9200)												
	103321	LOCKWASHER, 3/8" (12.9200)		1	1			1					3	
	110633	NUT, #10-24 (12.9120)												
	120376	NUT, 5/16"-18 (12.9120)										2		
		2.5151 - TUBE, FILTER OUTLET												
*A	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)							1					
A	5133612	* TUBE (DEV. L. 12.38")										1		
A	5133627	* TUBE (DEV. L. 13.36") (CROSSOVER)										1		
4A	5132698	* TUBE (DEV. L. 13.54") (CROSSOVER)									1			
4A	5130927	* TUBE ASSY. (DEV. L. 9.12")											1	
4A	5135126	* TUBE ASSY. (DEV. L. 10.74")								1				
4A	5129623	TUBE ASSY. (DEV. L. 12.68")		1		1		1						1
4A	5125319	TUBE ASSY. (DEV. L. 19.50")			1									
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)							1	1				
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)										1		
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)			2					1				
	193004	ELBOW, 3/8"—90 DEG. INV. FL. TUBE (12.9480)		1		1		1					1	2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 671	672	673	681	682	683	685	688	689	690	692	693
		2.5151 - TUBE, FILTER OUTLET (CONT'D)												
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1		1		1					1	
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)							1		2	1		
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)							1	1	2	4		
	5185519	TEE, 3/8" TUBE SEALASTIC (2.5100)										1		
	5121182	PLUG, 1/4" PIPE (2.4015)										1		
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)							1	1	2	4		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5177623	CLIP, 3/8" TUBE (2.5120)			1									
	5171509	CLIP, 5/8" TUBE (9.1591)							2					
	5157412	SPACER (7.4013)							1					
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)							1					
	103341	WASHER, 3/8" (12.9190)			1				1					
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5131376	* HOSE ASSY. (5/16"I.D.X10 3/4"L.)					1							
	5135899	* HOSE ASSY. (5/16"I.D.X12 3/8"L.) (CROSSOVER)								1				
	5131507	HOSE ASSY. (5/16"I.D.X15 1/4"L.)							1					
	5133915	HOSE ASSY. (5/16"I.D.X19"L.)					1							
	5131558	* HOSE ASSY. (3/8"I.D.X9 3/4"L.)									1			
	444000	ADAPTOR, 1/4" PIPE (12.9460)					1							
	190367	ELBOW, 1/4" STREET 90 DEG. BR. (12.9590)									1			
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)					2				1			
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)							1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1	1				
	178690	TEE, 3/8" INV. FL. TUBE, 2 WAY (12.9490)					1			1				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
4A	5128016	* TUBE ASSY. (DEV. L. 10.12")							1			1		
4A	5132872	* TUBE (DEV. L. 13.38") (CROSSOVER)									1	1		
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)							1					

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2.5000A FUEL LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 671	672	673	681	682	683	685	688	689	690	692	693
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
	5116440	ELBOW, 5/16" RESTRICTED	1	1	1	1	1	1	1		1	1	1	1
	5125447	ELBOW, 3/8" TUBE SEALISTIC 45 DEG. (12.9425)							1					
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)							1					
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)									2	2		
	5129843	TEE, 5/16" INV. FL. TUBE, RESTRICTED) (2.5205)								1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)							2		2	2		
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)							2		2	2		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - HOSE, FUEL DRAIN												
4A	5133830	* HOSE ASSY. (1/4"I.D.X10 1/4"L.) (CROSSOVER)								1				
4A	5186063	HOSE ASSY. (1/4"I.D.X14"L.)								1	1			
4A	5131375	HOSE ASSY. (5/16"I.D.X27 1/2"L.)					1							
4A	5129867	+ HOSE, 1/4" I.D. X 30" L. (5.7100)					1							
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)								1				
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)					1							
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					1							
	5189294	FITTING, 1/4" HOSE X 1/4" INV. FL. TUBE, SWIVEL (5.7100)					1							
	5113322	FITTING, 1/4" HOSE, SWIVEL (2.5215)					1							
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	5110070	CLIP, 3/8" TUBE (2.5120)							1			1		
4A	140582	CLIP, 1/2" TUBE (12.9630)					1							
4A	5170860	CLIP, 1/2" TUBE (4.6040)					1				1			
4A	5153473	CLIP, 1/2" TUBE (4.6040)					1							
4A	5168001	CLIP, 1/2" TUBE (12.9630)								1				
	5112241	CLAMP (2.5070)									2	2		
	5116400	BRACKET, CLIP (4.8010)					1							
	5157412	SPACER (7.4013)					1							
	5114551	TAG, CABLE (7.4545)					1							
	132908	SCREW, #10—32X1/2" RD. HD. SL. (12.9025)									1	1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 671	672	673	681	682	683	685	688	689	690	692	693
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)												
	179835	BOLT, 3/8"-16X5/8" (12.9001)					1							
	179838	BOLT, 3/8"-16X7/8" (12.9001)					1							
	179839	BOLT, 3/8"-16X1" (12.9001)							1			1		
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)					1							
	106284	BOLT, 3/8"-24X5/8" (12.9001)					1							
	103341	WASHER, 3/8" (12.9190)							1			1		
	120217	LOCKWASHER, #10 (12.9200)									1	1		
	103321	LOCKWASHER, 3/8" (12.9200)					AR		AR			AR		
	120614	NUT, #10-32 (12.9120)									1	1		
	117049	NUT, 3/8"-24 (12.9120)					1							

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2.5000A FUEL LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 694	695	700	701	703	704	705	709	710	712	718	725			
		2.5050 - TUBE, STRAINER TO FUEL PUMP															
4A	**5135480**	TUBE ASSY. (DEV. L. 10")							1								
4A	**5121149**	TUBE ASSY. (DEV. L. 39.76")												1			
4A	**5121151**	TUBE ASSY. (DEV. L. 45.16")										1	1				
4A	**143338**	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)										1	1	1			
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)							1								
	9432249	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		1													
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9445)							1								
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)							1								
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1	1	1			
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)							1								
		2.5060 - TUBE, FUEL PUMP INLET															
	5133918	HOSE ASSY. (1/2"I.D.X14"L.)									1						
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)									1						
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE															
4A	**5177623**	CLIP (3/8" TUBE) (2.5120)									2		2	2			
		2.5100 - TUBE, FUEL PUMP TO FILTER															
4A	**5127817**	TUBE ASSY. (DEV. L. 9.24")									1						
4A	**5135481**	TUBE ASSY. (DEV. L. 18.58")							1								
4A	**5134900**	TUBE ASSY. (DEV. L. 36.22")						1									
4A	**5134897**	TUBE ASSY. (DEV. L. 36.22")												1			
4A	**5130158**	* TUBE ASSY. (DEV. L. 38.80")	1														
4A	**5109486**	TUBE ASSY. (DEV. L. 41.62")											1				
4A	**5109488**	TUBE ASSY. (DEV. L. 41.62")										1					
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1					1				1	1	1			
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1					1	1		2	1	1	1			
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)							1								
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)							1								
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)							1								

* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 694	695	700	701	703	704	705	709	710	712	718	725
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
	5131517	HOSE ASSY. (5/16"I.D.X18 9/16"L.)			1									
	5133829	HOSE ASSY. (5/16"I.D.X50"L.)								1				
	5132540	HOSE ASSY. (5/16"I.D.X54 3/4"L.)					1							
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2		2			2				
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5177623	CLIP (3/8" TUBE)						1						
	5151883	CLIP (3/8" TUBE) (2.5070)	1											
	5153473	CLIP (1/2" TUBE) (4.6040)					2							
	5168001	CLIP (1/2" TUBE) (12.4095)					1			2				
	5112241	CLAMP (2.5070)										6	6	6
	110502	SCREW, #10-24X3/4" RD. HD. SL. (12.9025)										3	3	3
	179835	BOLT, 3/8"-16 X 5/8" (12.9001)					1							
	120217	LOCKWASHER, #10 (12.9200)										3	3	3
	103321	LOCKWASHER, 3/8" (12.9200)					1							
	110633	NUT, #10-24 (12.9120)										3	3	3
		2.5151 - TUBE, FILTER OUTLET												
4A	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)				1			1		1			
4A	5135034	TUBE (DEV. L. 23.40")		1										
4A	5109655	TUBE ASSY. (DEV. L. 8.89")										1		
4A	5130927	* TUBE ASSY. (DEV. L. 9.12")	1											
A	5129176	TUBE ASSY. (DEV. L. 12.18")									1			
A	5129623	TUBE ASSY. (DEV. L. 12.68")											1	1
4A	5126360	+ TUBE ASSY. (DEV. L. 16.40")						1						
4A	5140624	* TUBE ASSY. (DEV. L. 18.10")							1					
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)				1			1		2			
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)							1					
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)							1					
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1					2			1	2	1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1										1	1
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)				1					1			
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)				2			2		3			
	5121182	PLUG, 1/4" PIPE (2.4015)		1										
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)				2			2		3			

* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.

\+ NOT SERVICED, USE 5199575 BULK HOSE PLUS (1) 5199579 AND (1) 5199593 FITTINGS AND CUT TO SUIT.

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 694	695	700	701	703	704	705	709	710	712	718	725
		2.5156 - CLIP, FILTER OUTLET TUBE												
	5177623	CLIP (3/8" TUBE) (2.5120)							1					
	5168001	CLIP (1/2" TUBE) (12.4095)			2									
	5153473	CLIP (1/2" TUBE) (4.6040)					1							
	5171509	CLIP (5/8" TUBE) (9.1591)		2					2					
	5166565	BRACKET, CLIP (9.1591)					1							
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)		1										
	180120	BOLT, 3/8"-16X3/4" (12.9001)					2							
	179835	BOLT, 3/8"-16X5/8" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)					2							
	102635	NUT, 3/8"-16 (12.9120)					1							
		2.5160 - HOSE, FILTER TO CYLINDER HEAD												
	5133802	* HOSE ASSY. (5/16"I.D.X10 1/2"L.) (CROSSOVER)			1					1				
	5131829	# HOSE ASSY. (5/16"I.D.X12"L.)								1				
	5131519	HOSE ASSY. (5/16"I.D.X35 5/16"L.)					1							
	5133169	* HOSE ASSY. (5/16"I.D.X37 3/4"L.)			1									
	5131375	HOSE ASSY. (#6X28"L.)		1										
	5121182	PLUG, 1/4" PIPE SKT. HD. (2.4015)		1	1					1				
	444000	ADAPTOR, 1/4" PIPE (12.9460)		1			1							
	190367	ELBOW, 1/4" STREET 90 DEG. BR. (12.9590)		1										
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)			1		2			2				
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		1			1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1					1				
	178690	TEE, 3/8" INV. FL. TUBE, 2 WAY (12.9490)			1		1			1				
	178917	TEE, 3/8" INV. FL. TUBE (12.9490)		1										
	144598	NIPPLE, 1/4"X2 1/2" (12.9560)		1										
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		# NOT SERVICED, USE 5199575 HOSE AND (2) 5199579 FITTINGS.												
		2.5210 - TUBE, FUEL DRAIN												
4A	5128016	* TUBE ASSY. (DEV. L. 10.12")									1			
4A	5108025	TUBE ASSY. (DEV. L. 8.19")		1										
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)				1			1		1			
	5127911	ELBOW, 1/4" RESTRICTED										1	1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 694	695	700	701	703	704	705	709	710	712	718	725
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
	5116440	ELBOW, 5/16" RESTRICTED	1	1		1	1	1	1		1	1		
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)				1			1		1			
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)				1			1		1			
	5121182	PLUG, 1/4" PIPE SKT. HD. (2.4015)			1					1				
	5129843	TEE (5/16" INV. FL. TUBE, RESTRICTED) (2.5205)			1					1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)				2			2		2			
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)				2			2			2		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - HOSE, FUEL DRAIN												
4A	5134687	* HOSE ASSY. (1/4"I.D.X8 1/2"L.)			1					1				
4A	5133830	* HOSE ASSY. (1/4"I.D.X10 1/4"L.) (CROSSOVER)			1					1				
4A	5135025	HOSE ASSY. (1/4"I.D.X12"L.)					1							
4A	5186063	HOSE ASSY. (1/4"I.D.X14"L.)				1								
4A	5118782	HOSE ASSY. (1/4"I.D.X14"L.)									1			
4A	5162901	* HOSE ASSY. (1/4"I.D.X22"L.)							1					
4A	5131375	HOSE ASSY. (5/16"I.D.X27 1/2"L.)					1							
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)			1					1				
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)					1							
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)					1							
		* OBSOLETE. CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	140580	CLIP (3/8" TUBE) (12.9630)		1										
4A	5110070	CLIP (3/8" TUBE) (2.5120)									1			
4A	5151883	CLIP (3/8" TUBE) (2.5070)				1								
4A	140582	CLIP (1/2" TUBE) (12.9630)					1							
4A	5153473	CLIP (1/2" TUBE) (4.6040)					1							
4A	5168001	CLIP (1/2" TUBE) (12.4095)			1					1				
	5114551	TAG, CABLE (7.4545)					1							
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1	1							
	5104596	BOLT, 3/8"-16 X .75" L. (12.9001)		1										
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR							

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2.5000A FUEL LINES

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	745	758	766	772	773	782	786	796	803	806	821
		2.5001 - TUBE, FUEL SUPPLY TO STRAINER												
		FOR TYPE 779 USE TYPE 1234. FOR TYPE 814 USE TYPE 1086.												
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)								1				
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE, 1/4" (SPRING TYPE)				1								
	5135308	VALVE, 3/8" (SPRING TYPE)												1
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5121182	PLUG, 1/4" PIPE (2.4015)										1		
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	**5135480**	*TUBE* (DEV. L. 10.00")							1					
4A	**5137052**	* TUBE (DEV. L. 12.62")								1				
4A	**5135394**	* TUBE (DEV. L. 17.40") (SD-29)		1										
4A	**5137074**	TUBE (DEV. L. 40.00")									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1							1			
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		1			2							
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)							1					
	137425	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)								1				
	5176522	ELBOW, 1/2" TUBE SEALASTIC (12.9425)								1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)							1					
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)								1				
	5121182	PLUG, 1/4" PIPE (2.4015)		1										
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)							1					
	5176523	NUT, 1/2" TUBE SEALASTIC (12.9445)								1				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	**5177623**	CLIP, 3/8" TUBE (2.5120)									2			
4A	**5160388**	CLIP, 3/8" TUBE (2.5070)									1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	745	758	766	772	773	782	786	796	803	806	821
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	**5108529**	* TUBE (DEV. L. 12.40")	1							1				
4A	**5121080**	TUBE (DEV. L. 15.88")		1									1	
4A	**5135481**	TUBE (DEV. L. 18.58")							1					
4A	**5134900**	TUBE (DEV. L. 36.22")										1		
4A	**5134899**	TUBE (DEV. L. 36.90")									1			
4A	**5109486**	TUBE (DEV. L. 41.62")					1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1			1				1	1	1	
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)	1							1				
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	2	1			1		1	2	1	1	1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	1							1				
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	1							1				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
	5131507	HOSE (5/16"I.D.X15 1/4"L.)						1						
	5131856	HOSE (3/8"X44 11/16"L.)			1									
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)			2			2						
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	5112241	CLAMP (2.5070)	2								6			
	110502	BOLT, #10-24X3/4" (12.9025)									3			
	120217	LOCKWASHER, #10 MED. (12.9200)									3			
	110633	NUT, #10-24 (12.9120)									3			
		2.5151 - TUBE, FILTER OUTLET												
4A	**5128282**	* TUBE (DEV. L. 12.25") (CROSSOVER)						1	1	1				
4A	**5129623**	TUBE (DEV. L. 12.68")					1				1	1		
4A	**5132698**	* TUBE (DEV. L. 13.54") (CROSSOVER)	1											
4A	**5140624**	* TUBE (DEV. L. 18.10")							1					
4A	**5125318**	* TUBE (DEV. L. 19.50")		1										
4A	**5136163**	TUBE (DEV. L. 25.86")											1	
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)	2					2		1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9415)					1				1	1		

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2.5000A FUEL LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	745	758	766	772	773	782	786	796	803	806	821
		2.5151 - TUBE, FILTER OUTLET (CONT'D)												
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		2					1					
	5125447	ELBOW, 3/8" TUBE SEALASTIC, 45 DEG. (12.9425)						1		1				
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)						2	2					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)									1	1	2	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	2					5	5	4				
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	2					5	5	4				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5177623	CLIP (3/8" TUBE) (2.5120)							1					
	5171509	CLIP (5/8" TUBE) (9.1591)			3				1					
	2488022	CLIP, #6 HOSE (NEOPRENE COATED) (12.8554)		1										
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5131558	* HOSE (3/8"I.D.X9 3/4"L.)	1							1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1						
	190367	ELBOW, 1/4" STREET 90 DEG. BR. (12.9590)	1											
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)	1											
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1							
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)						1		1				
	444000	ADAPTOR, 1/4" PIPE (12.9460)		1										
		* NOT SERVICED; USE 1-5199575 HOSE AND 2-5199579 FITTINGS AND CUT TO DESIRED LENGTH.												
		2.5210 - TUBE, FUEL DRAIN												
4A	5132872	* TUBE (DEV. L. 13.38") (CROSSOVER)	1											
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)						1	1	1				
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)	2											
	5127911	ELBOW, 1/4" RESTRICTED		1										
	5116440	ELBOW, 5/16" RESTRICTED	1	1			1	1	1	1		1	1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	745	758	768	772	773	782	786	796	803	808	821
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)						1		1				
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)						1	1	1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	2					2	1					
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	2					2	1					
		* OBSOLETE: CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - HOSE, FUEL DRAIN												
4A	5186083	HOSE (1/4"X14.00"L)	1					1		1				
4A	5130688	HOSE (5/16"X17.25"L) (CROSSOVER)			1			1						
4A	5136299	HOSE (31"X22" L)							1					
	118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9445)							1					
	111644	COUPLING, 3/8 X1/4 RED. (12.9580)							1					
	5114551	TAG, CABLE (7.4545)						1						
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	5170860	CLIP, 1/2" TUBE (4.6040)	1					1		1				
	132908	SCREW, #10-32X1/2" RD. HD. SL. (12.9025)	1											
	179839	BOLT, 3/8"-16X1" (12.9001)						1						
	120217	LOCKWASHER, #10 (12.9200)	1											
	103321	LOCKWASHER, 3/8" (12.9200)						1						
	120614	NUT, #10-32 (12.9120)	1											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 845	846	851	853	856	857	859	860	862	864	868	878
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5122279	VALVE, 1/4" (SPRING TYPE)					1							
		2.5010 - TUBE, FUEL SUPPLY TO STRAINER FLEXIBLE												
	5121182	PLUG, 1/4" PIPE (2.4015)	2				1					1		
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	**5121100**	TUBE (DEV. L. 9.40")											1	
4A	**5137053**	* TUBE (DEV. L. 12.16")												1
4A	**5121101**	TUBE (DEV. L. 14.80")			1									
4A	**5132452**	TUBE (DEV. L. 28.00")						1						
4A	**5138094**	* TUBE (DEV. L. 41.67")					1							
4A	**5114860**	TUBE (DEV. L. 43.06")		1										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1							
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	2		1					2		2
	137425	ELBOW, 1/2"-90 DEG. INV. FL. TUBE (12.9480)						2						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5060 - TUBE, FUEL PUMP INLET												
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)							1					
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	5173022	SUPPORT, CLIP (5.5379)			1								1	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		1										
	103341	WASHER, 3/8" (12.9190)		1	1									
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	**5134898**	TUBE (DEV. L. 36.22")										1		
4A	**5109487**	TUBE (DEV. L. 41.62")					1							
4A	**5138097**	TUBE (DEV. L. 46.76")			1								1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1					1		
	193004	ELBOW, 3/8"—90 DEG. INV. FL. TUBE (12.9480)			2		1					1	2	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 845	846	851	853	856	857	859	860	862	864	868	878
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
	5136232	HOSE (#6X14"L.)	1											
	5133170	* HOSE (#6X40 3/4"L)		1										
	5130691	HOSE (5/16"I.D.X21"L.) (2.5149)						1						
	3248643	HOSE (3/8"I.D.X18"L.) (4.7100)												1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1										
	105423	ELBOW, 1/4" PIPE, STREET 90 DEG. (12.9590)	1											
	193004	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		1				2						2
	118755	ELBOW, 3/8" FLEX. TUBE X 1/4" P.T. 90 DEG. (12.9390)	1											
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
	3224539	CLIP, 3/8" TUBE (12.4090)		1										
	5169119	CLIP, 3/8" TUBE			2		1						1	
	5153473	CLIP, 1/2" TUBE (4.6040)		2				1	1					
	5112241	CLAMP (2.5070)					4							
	110502	BOLT, #10-24X3/4" (12.9025)					2							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1								1	
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)						1						
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			1								1	
	5152148	WASHER, 3/8" (2.4050)						1						
	120217	LOCKWASHER, #10 MED. (12.9200)					2							
	103321	LOCKWASHER, 3/8" (12.9200)			1								1	
	110633	NUT, #10-24 (12.9120)					2							
	117049	NUT, 3/8"-24 (12.9120)			1								1	
		2.5151 - TUBE, FILTER OUTLET												
4A	**5138202**	TUBE (DEV. L. 11.78")		1										
4A	**5128282**	* TUBE (DEV. L. 12.25") (CROSSOVER)	1					1		1				1
4A	**5129623**	TUBE (DEV. L. 12.68")					1							
4A	**5126360**	+ TUBE (DEV. L. 16.40")										1		
4A	**5127639**	* TUBE (DEV. L. 18.42") (TO HEAD)												1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9415)		1						1				
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)	1					1		1				1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 845	846	851	853	856	857	859	860	862	864	868	878
		2.5151 - TUBE, FILTER OUTLET (CONT'D)												
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)												1
	5125447	ELBOW, 3/8" TUBE SEALASTIC, 45 DEG. (12.9425)	1					1		1				1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1								2		1
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	2					2		2				2
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	2					2		2				2
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		+ NOT SERVICED, USE 5199575 BULK HOSE PLUS (1) 5199579 AND (1) 5199593 FITTINGS AND CUT TO SUIT.												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5177623	CLIP, 3/8" TUBE (2.5120)										1		
	3291251	CLIP, 5/8" TUBE (1.1060)						1						
	140573	CLIP, 5/8" TUBE (12.9630)						1						
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5138050	HOSE (#6X8 1/2" L.)			1							1		
	5136593	HOSE (#6X10 1/2" L.)	1											
	5131517	HOSE (5/16"I.D.X18 9/16"L.)						1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1						
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9550)	1											
	143338	ELBOW, 3/8"-45 DEG. INV. FL. TUBE (12.9480)						1						
	193004	ELBOW, 3/8 INV. FL. TUBE 90 DEG. (12.9480)			2		1						2	
	118755	ELBOW, 3/8" FLEX. TUBE X 1/4" P.T. 90 DEG. (12.9390)	1											
		2.5210 - TUBE, FUEL DRAIN												
4A	5128016	* TUBE (DEV. L. 10.12")	1											1
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)	1					1		1				1
	425250	CONNECTOR, 5/16" TUBE X 1/4" N.P.T. (12.9460)	1								1			
	5127911	ELBOW, 1/4" RESTRICTED				1						1		
	5116440	ELBOW, 5/16" RESTRICTED	1		1		1	1		1			1	1
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)	1					1		1				1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8445	8446	8451	8453	8458	8457	8459	8460	8462	8464	8468	8478
		2.5210 - TUBE, FUEL DRAIN (CONT'D)												
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)	1					1		1				1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)							1		2			
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	2					2		2				2
	5126530	PLUG (7.7010)									1			
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	2					2		2				2
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5212 - COOLER ASSY., FUEL												
	5136348	COOLER							1		1			
		2.5214 - TUBE, FUEL COOLER												
	5110373	HOSE (2" I.D.X3" L) (5.3330)							1		1			
	5186841	CLAMP (1 9/16"X2 1/2" DIA. HOSE) (12.9660)							2		2			
		2.5215 - HOSE, FUEL DRAIN												
	5136732	HOSE (#5X20"L)									1			
4A	5137863	HOSE (#5X24"L) (12.4065)									1			
4A	5186063	HOSE (1/4" X 14.00"L)								1				
4A	5131831	HOSE (5/16"X42.00"L)							1					
4A	5131845	* HOSE (5/16"X78.00"L)						1						
	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)									1			
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)						1						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	5110070	CLIP, 3/8" TUBE (2.5120)	1											1
4A	5170860	CLIP, 1/2" TUBE (4.6040)						1		1				
4A	5153473	CLIP, 1/2" TUBE (4.6040)						4			1			
	5159393	BRACKET, CLIP (4.1575)						1						
	5160629	SPACER, 13/32"X7/32" (4.2270)	1											
	186618	BOLT, 5/16"-18X5/8" (12.9001)						3						
	181333	BOLT, 5/16"-24X5/8" (12.9001)									1			

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2.5000A FUEL LINES

PART FIG NUMBER	NAME AND DESCRIPTION	TYPES 8455	8456	8511	8533	8556	8557	8559	8560	8562	8564	8568	8578
2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)													
179839	BOLT, 3/8"-16X1" (12.9001)	1					1						1
103341	WASHER, 3/8" (12.9190)	1					1						1
103320	LOCKWASHER, 5/16" (12.9200)						3			1			
103321	LOCKWASHER, 3/8" (12.9200)	1					1						1
120376	NUT, 5/16"-18 (12.9120)						1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 882	887	891	896	897	900	903	904	907	912	916	917
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5138197	* TUBE ASSY. (DEV. L. 8.25")		1										
4A	5114860	TUBE ASSY. (DEV. L. 43.06")											1	
	5135909	TUBE ASSY. (DEV. L. 43.56")						1						
	5121151	TUBE ASSY. (DEV. L. 45.16")			1									
	5136025	HOSE (5/16"I.D.X19"L.)				1			1					
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1			1					1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2		2		1					1	
	5198558	BUSHING, RED. 3/8"X1/4" (2.2030)						1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1			1						
	5121182	PLUG, 1/4" PIPE (2.4015)		4				1					1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5060 - TUBE, FUEL PUMP INLET												
	5133918	HOSE (.50" I.D. X14" L.)	1						1			1		1
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)	1						1			1		1
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
4A	5177623	CLIP (3/8" TUBE) (2.5120)			1									
4A	5160388	CLIP (3/8" TUBE)			1									
	5153473	CLIP (1/2" TUBE) (4.6040)				1			1					
	5171509	CLIP (5/8" TUBE) (9.1591)							1					
	5115972	BUSHING, 1/4"X1/2"X3/8" (2.7170)				1			1					
	186601	BOLT, 1/4"-20X1 1/4" (12.9001)				1			1					
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	5127817	TUBE (DEV. L. 9.24")							1			1		1
4A	5136628	* TUBE (DEV. L. 9.68")												
4A	5137459	* TUBE (DEV. L. 10.16")	1			1								
4A	5138153	* TUBE (DEV. L. 24.70") (SD-29)		1										
4A	5135908	TUBE (DEV. L. 41.30")						1						
4A	5109486	TUBE (DEV. L. 41.62")			1									
4A	5109487	TUBE (DEV. L. 41.62")											1	
4A	5109199	* TUBE (DEV. L. 50.36")								1				
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)								1				
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	1	1	2			2	1		1	1	2
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1			2				1	1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9445)								2				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 882	887	891	896	897	900	903	904	907	912	916	917
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)												
	444690	PLUG, 1/4" PIPE (12.9550)								1				
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)								2				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
4A	5110070	CLIP (3/8" TUBE)		2				1		1			1	
4A	5169119	CLIP (3/8" TUBE)						1						
4A	5160338	CLIP (3/8" TUBE)						1						
	5112241	CLAMP (2.5070)			4			6					4	
	110502	BOLT, #10-24X3/4" (12.9025)			3			3					2	
	186676	BOLT, 1/4"-20X5/8" (12.9001)								1				
	179839	BOLT, 3/8"-16X1 1/2" (12.9001)		2										
	120392	WASHER, 1/4" (12.9190)								1				
	103341	WASHER, 3/8" (12.9110)		2										
	120217	LOCKWASHER, #10 MED. (12.9200)			3			3					2	
	103321	LOCKWASHER, 3/8" (12.9200)		2										
	110633	NUT, #10-24 (12.9120)			3			3					2	
		2.5151 - TUBE, FILTER OUTLET												
4A	5135126	* TUBE (DEV. L. 10.74")	1			1								
4A	5134170	* TUBE (DEV. L. 12.06")							1			1		
4A	5129176	TUBE (DEV. L. 12.18")												1
	5128282	* TUBE (DEV. L. 12.25") (CROSSOVER)									1			
4A	5138162	* TUBE (DEV. L. 12.62")		1										
4A	5129623	TUBE (DEV. L. 12.68")			1			1					1	
	5109204	* TUBE (DEV. L. 12.94") (RIGHT BANK)								1				
	5135115	* TUBE (DEV. L. 24.74") (LEFT BANK)								1				
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1			1			1		1	1		
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)	1			1			1		1			1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		?	1			1	2				1	1
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)								2	1	1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9415)			1			1					1	
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)	1						1		2	1		1
	5121182	PLUG, 1/4" PIPE (2.4015)								1				
	5138291	TEE ASSY., 3/8" (2.5100)								1				
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)							1		2	1		1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 882	887	891	896	897	900	903	904	907	912	916	917
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5110070	CLIP (3/8") (2.5120)		2										1
	5153473	CLIP (1/2") (4.6040)												1
	179839	BOLT, 3/8"-16X1" (12.9001)		2										
	103341	WASHER, 3/8" (12.9110)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		2										
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5133802	* HOSE (10.50"L.) (CROSSOVER)					1							
	5135899	* HOSE (12 3/8"L.) (CROSSOVER)	1									1		
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9490)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1				1							
	178690	TEE, 3/8" INV. FL. TUBE (12.9460)	1									1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
4A	5128016	* TUBE (DEV. L. 10.12")									1			1
4A	5138797	* TUBE (DEV. L. 17.38") (CROSSOVER)												1
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)									1			1
A	5129242	* TUBE (DEV. L. 25.88") (CROSSOVER)								1				
A	5137980	* TUBE (DEV. L. 26.24")								1				
	5116440	ELBOW, 5/16		1	1			1		1	1		1	1
	5125447	ELBOW, 3/8" SEALASTIC 45 DEG. (12.9425)								1	1			1
	5179969	ELBOW, 3/8" SEALASTIC 90 DEG. (12.9425)								1	1			1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)												2
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)								2	2			2
	5128522	EXTENSION, 3/8" INV. FL. TUBE 2"L.								1				
	5179937	NUT, 3/8" SEALASTIC (12.9445)								2	2			2
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - HOSE, FUEL DRAIN												
4A	5134687	* HOSE (1/4"I.D.X8 1/2"L.)					1							
4A	5133830	* HOSE (1/4"I.D.X10 1/4"L.) (CROSSOVER)	1			1	1		1			1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 882	887	891	896	897	900	903	904	907	912	916	917
		2.5215 - HOSE, FUEL DRAIN (CONT'D)												
4A	5186063	HOSE (1/4"I.D.X14"L)	1			1			1			1	1	
4A	5118782	HOSE (1/4"I.D.X14"L) (2.5210)												1
	5128927	ELBOW, 5/16" (RESTRICTED) (2.4001)				1			1					
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1				1		1			1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)					1							
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)				1			1					
	5129843	TEE, 5/16" INV. FL. TUBE (RESTRICTED) * OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.	1				1					1		
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	5112241	CLIP								4				
4A	3290489	CLIP (5/16")								1				
4A	5110070	CLIP (3/8" TUBE) (2.5120)									1			
4A	5168001	CLIP (1/2" TUBE) (12.4095)	1			1	1		1			1		
	132908	SCREW, #10-32X5/8" RD. HD. SL. (12.9025)								2				
	179835	BOLT, 3/8"-16X5/8" (12.9001)								1				
	179839	BOLT, 3/8"-16X1" (12.9001)									1			
	120392	WASHER, 1/4" (12.9190)							1					
	103341	WASHER, 3/8" (12.9190)									1			
	120217	LOCKWASHER, #10 (12.9200)								2				
	103321	LOCKWASHER, 3/8" (12.9200)								1	1			
	120614	NUT, #10-32 (12.9120)								2				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	928	932	934	935	937	941	945	948	949	952
		2.5050 - TUBE, STRAINER TO FUEL PUMP											
4A	5136746	* TUBE ASSY. (DEV. L. 11.94")											1
4A	5124547	TUBE ASSY. (DEV. L. 34.36")				1							
4A	5121149	TUBE ASSY. (DEV. L. 39.76")	1						1				
	5139672	HOSE (#8X14"L.)								1			
	5136633	HOSE (#8X18.50"L.)											
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1			1							
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)							1				
	5176522	ELBOW, 1/2" TUBE SEALASTIC (12.9425)											1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1							
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)							1	1			1
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)											1
	5176523	NUT, 1/2" TUBE SEALASTIC (12.9445)											1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE											
4A	5177623	CLIP (3/8" TUBE) (2.5120)	1			1							
4A	5160388	CLIP (3/8" TUBE)	1			1							
		2.5100 - TUBE, FUEL PUMP TO FILTER											
4A	5108529	* TUBE (DEV. L. 12.40")			1								1
4A	5136781	* TUBE (DEV. L. 20.58")				1							
4A	5134903	TUBE (DEV. L. 30.34")	1								1		
4A	5134897	TUBE (DEV. L. 36.22")							1				
4A	5108445	* TUBE (DEV. L. 52.68")								1			
4A	5137493	HOSE (#6X10.50"L.) (2.5149)											
4A	5130688	HOSE (5/16"X17.25"L.) (2.5215)			1						1		1
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)			1	1	1		1	2	1		1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1								1		
	5140350	ELBOW, 3/8" BRASS 90 DEG. (2.5250)											
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1			1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9445)			1						1		1
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)			1						1		1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	928	932	934	935	937	941	945	948	949	952
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE											
	5131830	HOSE, 5/16" I.D. X 27.50" L.										1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)										2	
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE											
4A	5151883	CLIP (3/8" TUBE)									1		
	5112241	CLAMP (2.5070)	6			6							
	110502	BOLT, #10-24X3/4" (12.9025)	3			3							
	120217	LOCKWASHER, #10 MED. (12.9200)	3			3							
	110633	NUT, #10-24 (12.9120)	3			3							
		2.5151 - TUBE, FILTER OUTLET											
4A	5109655	TUBE (DEV. L. 8.89")				1							
	5128282	* TUBE (DEV. L. 12.25") (CROSSOVER)			1		1			1		1	1
4A	5129623	TUBE (DEV. L. 12.68")	1										
	5132698	* TUBE, DEV. L. 13.54 (CROSSOVER)							1				
	5129240	* TUBE, DEV. L. 13.04 (TO RIGHT BANK)									1		
	5140624	* TUBE (DEV. L. 18.10")											1
	5129232	* TUBE (DEV. L. 25.30) (TO LEFT BANK)									1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)											1
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)			1		1			1		1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1			2							
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)											1
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)			1		1		2	1	1	1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9415)	1										
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)			2		2		2	2		2	3
	5138291	TEE ASSY., 3/8" (2.5100)									1		
	5121182	PLUG, 1/4" PIPE (2.4015)									1		
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)			2		2		2	2		2	3
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE											
	5134759	CLIP (3/8")											1
	5131219	BRACKET, CLIP (4.5004)											1
	123435	BOLT, 1/4"-28X5/8" (12.9001)											1
	120392	WASHER, 1/4" (12.9110)											1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	928	932	934	935	937	941	945	948	949	952
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE (CONT'D)											
	103319	LOCKWASHER, 1/4" (12.9200)											1
	121902	NUT, 1/4"-28 (12.9120)											1
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE											
	5131558	HOSE (9.75"L.)			1					1			
	5139671	HOSE (10.50"L.)							1				
	5131517	HOSE (18 9/16"L.)										1	
	5125901	HOSE (37 1/4"L.)					1						
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)			1		1			1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)							1				
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1				1	1		1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1	
		2.5180 - CLIP, FILTER TO CYLINDER HEAD TUBE											
	5168001	CLIP (1/2") (12.4095)										2	
	5171509	CLIP (5/8") (9.1591)					1						
	5164789	SPACER, 13/32"X7/8" (5.4025)										1	
	5114551	TAG, CABLE (7.4545)										1	
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)										1	
		2.5210 - TUBE, FUEL DRAIN											
4A	5128016	* TUBE (DEV. L. 10.12")									1		
4A	5132872	* TUBE (DEV. L. 13.32") (CROSSOVER)							1				
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)			1		1			1		1	1
4A	5129242	* TUBE (DEV. L. 25.88") (CROSSOVER)									1		
4A	5129867	TUBE (DEV. L. 30.00") (FUEL RETURN)					1						
	5116440	ELBOW, 5/16" RESTRICTED	1		1		1		1	1	1	1	1
	5125447	ELBOW, 3/8" SEALASTIC 45 DEG. (12.9425)			1		1			1	1	1	1
	5179969	ELBOW, 3/8" SEALASTIC 90 DEG. (12.9425)			1		1			1	1	1	1
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)							2				
	5113322	CONNECTOR, 1/2"-20 (2.5215)					1						
	5179938	SEAL RING, 3/8" SEALASTIC (12.9435)			2		2		2	2	2	2	2
	5189294	FITTING, 1/2"—20 SPECIAL HOSE (5.7100)					1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	928	932	934	935	937	941	945	948	949	952
		2.5210 - TUBE, FUEL DRAIN (CONT'D)											
	5179937	NUT, 3/8" SEALASTIC (12.9445)			2		2		2	2	2	2	2
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5212 - COOLER ASSY., FUEL											
	5136348	COOLER						1					
		2.5214 - TUBE, FUEL COOLER											
	5110373	HOSE (2"I.D.X3"L.) (5.3330)						2					
	8920537	CLAMP (1 9/16"X2 1/2" DIA. HOSE) (12.9660)						4					
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE											
4A	5186063	HOSE (1/4"I.D.X14"L.)			1				1	1		1	
4A	5162901	* HOSE (1/4"I.D.X22"L.)											1
4A	5124392	HOSE (5/16"I.D.X15"L.) (2.5010)								1			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5220 - CLIP, FUEL DRAIN TUBE											
4A	5151883	CLIP (3/8" TUBE)								1		1	
4A	5170860	CLIP (1/2" TUBE) (4.6040)			1		1		1				1
4A	5171509	CLIP (5/8" TUBE) (9.1591)							4				
4A	5112241	CLAMP (2.5070)									4		
	5185432	CLAMP					2			2			
	5114551	TAG, CABLE (7.4545)							2		4		
	132908	SCREW, #10-32X5/8" RD. HD. SL. (12.9025)					1			1	1	1	
	179835	BOLT, 3/8"-16X5/8" (12.9001)									1		
	179839	BOLT, 3/8"-16X1"(12.9001)							2		4		
	103341	WASHER, 3/8" (12.9190)					1			1	1	1	
	120217	LOCKWASHER, #10 (12.9200)							2		4		
	103321	LOCKWASHER, 3/8" (12.9200)											
	120614	NUT, #10-32 (12.9120)											
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF											
	5138989	* VALVE ASSY. (6 PORT-3 WAY) (2.6090)		1									
		* OBSOLETE											

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 957	959	960	964	967	970	974	977	984	985	986	987
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5179513	TUBE ASSY. (DEV. L. 39.32")	1											
4A	5121149	TUBE ASSY. (DEV. L. 39.76")		1										
4A	5124547	TUBE ASSY. (DEV. L. 34.36")			1									
4A	5121076	TUBE ASSY. (DEV. L. 12.50")					1							
4A	5121081	TUBE ASSY. (DEV. L. 21.28")						1						
4A	5137074	TUBE ASSY. (DEV. L. 40.00")												1
	5136633	HOSE (#8X18.50" L.)				1								
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1		2	1						1
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)				2								
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1	1	1									
	193004	ELBOW, 3/8 INV. FL. TUBE 90 DEG. (12.9480)						1						
		2.5070 - CLIP, STRAINER TO FUEL PUMP												
4A	5177623	CLIP (3/8" TUBE) (2.5170)	2	2	2									2
4A	5160388	CLIP (3/8" TUBE) (2.5070)	1	1	1									1
		2.5100 - TUBE, FUEL PUMP TO FILTER												
	5134900	TUBE (DEV. L. 36.22")	1											
	5134897	TUBE (DEV. L. 36.22")		1						1				1
	5134901	* TUBE (DEV. L. 30.34")			1									
4A	5121081	TUBE (DEV. L. 21.28")					1	1						
4A	5135605	* TUBE (DEV. L. 37.50")							1					
	5130688	HOSE (5/16"I.D.X17 1/4"L.) (2.5215)				1								
	5136025	HOSE (5/16"I.D.X19" L.) (2.5050)									1			
	5137387	HOSE (#6X33" L.)										1		
	5131840	HOSE (5/16"I.D.X25 1/4" L.)											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	1	1		1	1		1	1		1	2
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	2	1	1	2	1	1	2	1	1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE												
	5160388	CLIP (3/8" TUBE) (2.5070)			1									
	5133108	CLIP (3/8" TUBE)					1							
	5177623	CLIP (3/8" TUBE)						1						
	5153473	CLIP (1/2" TUBE) (4.6040)										1		
	5127861	BRACKET, CLIP (7.1587)										1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 957	959	960	964	967	970	974	977	984	985	986	987
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)												
	5112241	CLAMP (2.5070)	4	6	4		1	1						6
	5196119	SPACER (3.4001)												
	110502	SCREW, #10-24X3/4" RD. HD. SLTD. (12.9025)	2	3	2			1						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1					1		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												
	186627	BOLT, 3/8"-24X1" (12.9001)												
	120217	LOCKWASHER, #10 (12.9200)	2	3	2									3
	103321	LOCKWASHER, 3/8" (12.9200)										1		
	110633	NUT, #10-24 (12.9120)	2	3	2									3
	117049	NUT, 3/8"-24 (12.9120)										1		
		2.5151 - TUBE, FILTER OUTLET												
4A	5134070	= TUBE (DEV. L. 10.15")	1											
4A	5129623	TUBE (DEV. L. 12.68")		1						1				1
4A	5125319	TUBE (DEV. L. 19.50")			1									
	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)				1								
4A	5136163	TUBE (DEV. L. 25.86")						1						
4A	5135593	* TUBE (DEV. L. 9.12")							1					
	5138218	HOSE (38" L.)									1		1	
	5137492	HOSE (9.50" L.)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9415)		1										1
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)				1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	1				2	2	2	2	2	2	1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			2									
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)				1								
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)				2								
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)				2								
		= NOT SERVICED; USE 5129623 PLUS (1) 137407 CONNECTOR.												
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5171509	CLIP (5/8" TUBE) (9.1591)									1		2	
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
	5131558	* HOSE (3/8"I.D.X9 3/4"L.)				1								
	5132278	HOSE (5/16"I.D.X24 3/8"L.)					1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 957	959	960	964	967	970	974	977	984	985	986	987
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE (CONT'D)												
	190367	ELBOW, 1/4" STREET 90 DEG. BRASS (12.9590)				1								
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)				1								
	442323	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1							
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5210 - TUBE, FUEL DRAIN												
4A	3290995	+ TUBE (DEV. L. 8.00")		1										
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)				1								
	5136132	ADAPTOR, 1/4" RESTRICTED							1			1		
	5116440	ELBOW, 5/16" RESTRICTED	1	1	1	1	1	1		1	1		1	1
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)				1								
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)				1								
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)				2								
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)				2								
		+ OBSOLETE.												
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE												
4A	5136732	HOSE ASSY. (5"X20"L.)									1			
4A	5186063	HOSE ASSY. (1/4"X14"L.)				1								
4A	5124392	HOSE ASSY. (5/16"X15.00"L.) (2.5010)				1								
	425250	CONNECTOR, 5/16"X1/4" NPT. (12.9460)									1			
	5114551	TAG, CABLE (7.4545)				2					1		1	
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	5151883	CLIP (3/8" TUBE) (2.5070)				1								
4A	140582	CLIP (1/2" TUBE) (12.9630)										1		
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)				1								

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 994	996	997	1003	1004	1007	1010	1012	1013	1014	1015
		2.5010 - HOSE, FUEL SUPPLY TO STRAINER											
	5171337	HOSE (3/8" X 300" FLEX.)	2	2									
		2.5050 - TUBE, STRAINER TO FUEL PUMP											
4A	5141351	TUBE ASSY. (DEV. L. 9.90")				1							
4A	5136746	* TUBE ASSY. (DEV. L. 11.94")					1						
	5135909	TUBE ASSY. (DEV. L. 43.56")								1			
	5121182	PLUG, 1/4" PIPE (2.4015)								1			
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)					1						
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)								1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1				2			
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1							
	5138299	ELBOW, 1/2" TUBE SEALASTIC 90 DEG. (12.9425)					1						
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)					1						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5060 - HOSE, FUEL PUMP INLET											
	5199575	% HOSE, BULK #6 (CUT L. 8.5") (12.8550)									1		
	5139084	* HOSE (#8X10 1/2")										1	
	5133918	HOSE (.50"I.D.X14"L.)						1					1
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)									2		
	442330	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1		
	442332	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)										1	
	190367	+ ELBOW, 1/4" STREET 90 DEG. (12.9550)									1		
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9550)						1				1	1
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)									1		
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		+ USE WITH 5130689 HOSE.											
		% BULK HOSE, CUT TO LENGTH SHOWN.											
		2.5100 - TUBE, FUEL PUMP TO FILTER											
4A	5141346	TUBE (DEV. L. 13.86")				1							
4A	5136781	* TUBE (DEV. L. 20.58")					1						
4A	5136628	* TUBE (DEV. L. 9.68")						1					
4A	5109489	* TUBE (DEV. L. 41.62")							1				

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9944	9946	9947	10003	10004	10007	10010	10012	10013	10014	10015
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)											
4A	5135908	* TUBE (DEV. L. 41.30")								1			
	5131829	# HOSE (5/16"I.D.X12" L.)									1		
	5137492	HOSE (#6X9.50"L.)										1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1		1	1	1			1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1	1	1	1	1	2	2	1
	5138298	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)					1						
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					1						
							1						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		# NOT SERVICED, USE 5199575 HOSE AND (2) 5199579 FITTINGS.											
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE											
	5177623	CLIP (3/8" TUBE)							1				
	5169119	CLIP (3/8" TUBE)								1			
	5112241	CLAMP (2.5070)							4	6			
	110502	SCREW, #10-24X3/4" RD. HD. SLTD. (12.9025)							2	3			
	120217	LOCKWASHER, #10 (12.9200)							2	3			
	110633	NUT, #10-24 (12.9120)							2	3			
		2.5151 - TUBE, FILTER OUTLET											
4A	5129623	TUBE (DEV. L. 12.68")			1				1	1			
	5128282	* TUBE (DEV. L. 12 1/4") (CROSSOVER)					1						
4A	5141266	TUBE (DEV. L. 23.52")				1							
4A	5140624	* TUBE (DEV. L. 18.10")					1						
4A	5134170	* TUBE (DEV. L. 12.06")						1					
	5137492	HOSE (9.50"L.)									1		
	5137493	HOSE (10.50" L.)										1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9415)			1				1	1			
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)					1	1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1	2			1	1	2	1	1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)					1	1				1	1
	5138293	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)					1						
	5138298	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9435)					1						

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 994	996	997	1003	1004	1007	1010	1012	1013	1014	1015
		2.5151 - TUBE, FILTER OUTLET (CONT'D)											
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					3	1					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5156 - CLIP, FILTER OUTLET TUBE											
	5131219	CLIP (4.5004)					1						
	5131190	CLIP (3/8") (2.5120)				2							
	5134759	CLIP (3/8")					1						
	179839	BOLT, 3/8"-16X1" (12.9001)				2							
	123435	BOLT, 1/4"-28X5/8" (12.9001)					1						
	103341	WASHER, 3/8" (12.9190)				2							
	103319	LOCKWASHER, 1/4" (12.9200)					1						
	103321	LOCKWASHER, 3/8" (12.9200)				2							
	121902	NUT, 1/4"-24 (12.9120)					1						
		2.5160 - HOSE, FILTER TO CYLINDER HEAD											
	5135899	* HOSE (12 3/8"L.) (CROSSOVER)						1					1
	5133802	* HOSE (5/16"I.D.X10 1/2" L.) (CROSSOVER)										1	
	178690	TEE, 3/8" INV. FL. TUBE (12.9460)						1					1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)										2	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5210 - TUBE, FUEL DRAIN											
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)					1						
	5116440	ELBOW, 5/16" RESTRICTED			1	1	1		1	1	1	1	
	5138298	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)					1						
	5138293	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)					1						
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)					2						
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 994	996	997	1003	1004	1007	1010	1012	1013	1014	1015
		2.5215 - HOSE, FUEL DRAIN											
4A	5136732	HOSE ASSY. (5"X20"L.)									1		
4A	5186063	HOSE ASSY. (1/4"X14"L.)						1		1			1
4A	5136299	* HOSE ASSY. (5/16"X22.00" L.)					1						
4A	5138287	* HOSE ASSY. (#5X17 1/2" L.) (CROSSOVER)						1				1	1
4A	5137863	HOSE ASSY. (#5X24" L.)										1	
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						1					1
	118752	CONNECTOR, 3/8" INV. FL. TUBE (12.9445)					1						
	111644	COUPLING, 3/8"X1/4" (12.9580)					1						
	5129843	TEE, 5/16" INV. FL. TUBE (RESTRICTED)						1					1
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)										2	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1					1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5220 - CLIP, FUEL DRAIN TUBE											
4A	5168001	CLIP (1/2" TUBE) (12.4095)						1					1
4A	5170860	CLIP (1/2" TUBE) (4.6040)										1	
4A	5171509	CLIP (5/8" TUBE) (9.1591)					1					1	
	5124849	SPACER (7.4538)										1	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)										1	
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF											
	5138989	* VALVE ASSY. (6 PORT - 3 WAY) (2.6090)	1	1									
	180120	BOLT, 3/8"-16X3/4" (12.9001)	2										
	103321	LOCKWASHER, 3/8" (12.9200)	2										
		* OBSOLETE											
		2.5270 - SUPPORT, FUEL SYSTEM SHUT-OFF VALVE											
	5139496	+ BRACKET	1	1									
	180120	BOLT, 3/8"-16X3/4" (12.9001)	2	2									
		+ OBSOLETE.											

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1024	1033	1040	1045	1070	1074	1086	1097	1101	1103
		2.5010 - HOSE, FUEL SUPPLY TO STRAINER												
4A	5171337	HOSE (3/8"X300")												1
4A	5143364	* HOSE (#8 X11") (2.5001)												1
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)												1
	188947	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (4.3020)												1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4A	5133829	HOSE (#6X50" L.)	1											
4A	5137959	HOSE (#8X10" L.)			1									
4A	5136633	HOSE (#8 X 18 1/2" L.)								1				
4A	5136232	HOSE (#6X14" L.) (2.5149)									1			
4A	5143372	* HOSE (#8X43 3/4" L.)											1	
4A	5142945	TUBE (DEV. L. 9.70")					1							
4A	5121151	TUBE (DEV. L. 45.16")				1								
	2310225	CONNECTOR, 1/4" PIPE (2.8910)											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1	1							
	118750	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1			
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)			1					2			1	
	2011306	ELBOW, 1/4" PIPE 45 DEG. (12.9490)									1			
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)				1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1							
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)			1									
	5198558	BUSING, RED. 3/8" X 1/4" (2.2030)									1			
	5121182	PLUG, 1/4" PIPE (2.4015)									1			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP												
4A	5177623	CLIP, 3/8" TUBE (2.5120)				1								
4A	5160388	CLIP, 3/8" TUBE				1								
4A	5151189	CLIP, 3/4" TUBE (4.8040)											2	
	5127861	BRACKET (7.1587)											1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)											1	
	272473	BOLT, 3/8"-16X3 7/8" (12.9001)											1	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1024	1033	1040	1045	1070	1074	1086	1097	1101	1103
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE (CONT'D)												
	192883	BOLT, 3/8"-16X5" (12.9001)											1	
	103321	LOCKWASHER, 3/8" (12.9200)											2	
	123221	NUT, 3/8"-16 (12.9120)											1	
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	5127817	TUBE (DEV. L. 9.24")		1										
4A	5137939	* TUBE (DEV. L. 15.50")			1									
4A	5142944	TUBE (DEV. L. 19.26")					1							
4A	5121081	TUBE (DEV. L. 21.28")							1					
4A	5109486	TUBE (DEV. L. 41.30")	1			1								
	5130688	HOSE ASSY., FLEX. (#6X17 1/4") (2.5215)								1				
	5137321	HOSE ASSY., FLEX. (#6X39 1/8")									1			
	5136632	HOSE, 5/16"X25 3/4" L.											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1	1		2					
	118750	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2	1	1		2	2		2	2	
	118755	ELBOW, 3/8" TUBE 90 DEG. (12.9390)									1			
	5121182	PLUG, 1/4" PIPE (2.4015)									2			
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
4A	5169119	CLIP, 3/8" TUBE										2		
4A	5177623	CLIP, 3/8" TUBE	1											
4A	2488022	CLIP, 3/8" HOSE VINYL (12.8554)							1					
4A	5160388	CLIP, 3/8" TUBE (2.5070)	1											
4A	5138090	CLIP, 3/8" TUBE (2.5220)					2							
4A	5133108	CLIP, 3/8" TUBE (2.5120)							1					
4A	5153473	CLIP, 1/2" TUBE (4.6040)									3			
	5112241	CLAMP (2.5070)				6								
	5196119	SPACER, 13/32"X7/8" (3.4001)							1					
	5173022	SUPPORT, DIP (5.5379)										1		
	110502	BOLT, #10-24X3/4" (12.9025)				3								
	436574	BOLT, #10-24X1" (12.9001)					1							
	179838	BOLT, 3/8"-16X7/8" (12.9001)									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1			1		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)										1		
	120391	WASHER, 7/32"X1/2" PLAIN (12.9190)					1							
	103341	WASHER, 3/8" (12.9190)							2			1	1	
	120217	LOCKWASHER, #10 MED. (12.9200)				3	1							
	103321	LOCKWASHER, 3/8" (12.9200)										1	1	

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2.5000A FUEL LINES

MG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1024	1033	1040	1045	1070	1074	1086	1097	1101	1103
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)												
	110633	NUT, #10-24 (12.9120)				3	1							
	117049	NUT, 3/8"-24 (12.9120)										1		
		2.5151 - TUBE, FILTER OUTLET												
4A	5134070	TUBE (DEV. L. 10.15")				1								
4A	5129176	TUBE (DEV. L. 12.18")		1										
	5128282	* TUBE (DEV. L. 12.25") (CROSSOVER)			1						1			
4A	5129623	TUBE (DEV. L. 12.68")	1											
	5132698	* TUBE (DEV. L. 5/16"X10.12") (CROSSOVER)		1										
4A	5104094	* TUBE (DEV. L. 20.30") (RH) (2.5150)							1					
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)		1	1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1			2						2		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9415)	1											
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			2									
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)			2									
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5155 - CLIP, FILTER TO MANIFOLD TUBE												
	2488022	CLIP, 3/8" (NEOPRENE COATED) (12.8554)					2							
	179839	BOLT, 3/8"-16X1" (12.9001)					2							
	103341	WASHER, 3/8" (12.9190)					2							
	103321	LOCKWASHER, 3/8" (12.9200)					2							
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
4B	5199575	% HOSE, BULK #6 (CUT L. 22") (12.8550)					1							
4B	5199575	% HOSE, BULK #6 (CUT L. 28") (12.8550)							1					
4B	5131558	* HOSE (9.75" L.)			1					1				
4B	5133802	* HOSE (#6X10.50" L.)						1						
4A	5136331	HOSE (#6X13" L.) (2.5050)									1			
4B	5118782	HOSE (1/4"X14" L.)		1										
	5186063	HOSE (1/4"X14" L.)			1									
	5143371	* HOSE (#6X32" L.)											1	
	5138050	HOSE ASSY. (#6X8.50" L.)										1		
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)					2		1					
	5199588	FITTING, #6 HOSE, 90 DEG. (12.8552)							1					
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						1						
	5127911	ELBOW, 1/4", .070" RESTRICTED (2.5210)							1					
	5125884	ELBOW, 3/8", 90 DEG. (2.5150)							1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1024	1033	1040	1045	1070	1074	1086	1097	1101	1103
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE (CONT'D)												
	442323	CONNECTOR, 3/8" INV. FL. TUBE 90 DEG. (12.9460)						2					1	
	118750	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1			
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9550)			1					1				
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9490)			1			1						
	193004	ELBOW, 3/8" TUBE 90 DEG. (12.9480)					1							
	143338	ELBOW, 3/8" TUBE 45 DEG. (12.9480)								1			1	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		% BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER												
	5128282	* TUBE (DEV. L. 12.25")											1	
4B	5125447	ELBOW, 3/8" TUBE SEALASTIC (12.9425)											1	
	5138305	CONNECTOR, 3/8" TUBE SEALASTIC (12.9425)											1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)											2	
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)											2	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5180 - CLIP, CYLINDER HEAD INLET TUBE												
	5171509	CLIP, 5/8" (9.1591)											1	
	5131190	CLIP, 3/8" TUBE (2.5150)					2							
	5177623	CLIP, 3/8" TUBE (2.5120)							1					
	179830	BOLT, 3/8"-16X1" (12.9001)					2							
	103321	LOCKWASHER, 3/8" (12.9200)					2							
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5128283	* TUBE (DEV. L. 25.82")		1	1					1			1	
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)											1	
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)											1	
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)											2	
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)											2	
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1024	1033	1040	1045	1070	1074	1086	1097	1101	1103
		2.5210 - TUBE, FUEL DRAIN												
4A	5139819	TUBE (DEV. L. 4.36")								1				
4A	5139814	TUBE (DEV. L. 8.36")								1				
4A	5128016	* TUBE (DEV. L. 10.12")		1									1	
4A	5128283	* TUBE (DEV. L. 25.82") (CROSSOVER)		1	1					1				
	5133830	* HOSE (#5X10.25" L.)						1						
	5134531	* HOSE, 5/16"X27" L. (3.5500)						1						
	5127911	ELBOW, 1/4" RESTRICTED									1			
	5116440	ELBOW, 5/16" RESTRICTED	1	1	1	1	1			1		1	1	
	5128927	ELBOW, 5/16" RESTRICTED (2.4001)						1						
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9460)						1						
	5125447	ELBOW, 3/8" TUBE SEALASTIC 45 DEG. (12.9425)		1	1					2				
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)	1	1						1				
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		2	2					4				
	5128522	EXTENSION, 3/8" INV. FL. TUBE 2" L.						1						
	444000	ADAPTOR, 1/4" X 1/4" (.070 RESTRICTED)									1			
	5114551	TAG, CABLE (7.4545)								2				
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						1						
	425250	CONNECTOR, 5/16" PIPE (12.9460)								1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE 90 DEG. (12.9460)								1				
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)								1				
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)		2	2					4				
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5215 - HOSE, FUEL DRAIN												
4A	5171337	HOSE (.38"X300") (2.5010)												1
4A	5143365	* HOSE (#5X60") (2.5210)												1
	5169856	ELBOW, 5/16" INV. FL. TUBE (1.1100)												1
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
4A	5110070	CLIP, 3/8" TUBE (2.5120)		1									1	
4A	5170860	CLIP, 1/2" TUBE (4.6040)			1									
4A	5153473	CLIP, 1/2" TUBE (4.6040)						1						

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1024	1033	1040	1045	1070	1074	1086	1097	1101	1103
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)												
4A	140571	CLIP, 1/2" CLOSED (12.9630)												2
4A	5171509	CLIP, 5/8" TUBE (9.1591)								1				
	179835	BOLT, 3/8"-16X5/8" (12.9001)						1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)								1				
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
	103341	WASHER, 3/8" (12.9190)											1	
	103321	LOCKWASHER, 3/8" (12.9200)								1			1	
	102635	NUT, 3/8"-16 (12.9120)								1				
		2.5230 - BRACKET, FUEL DRAIN TUBE												
	5173189	BRACKET (9.1591)								1				
	5160425	SPACER, 13/32"X23/32" (2.3267)								1				
	9409031	BOLT, 3/8"-16X2" (12.9001)								1				
		2.5260 - VALVE, FUEL SYSTEM SHUT-OFF												
	5138989	* VALVE ASSY. (6 PORT- 3 WAY) (2.6090)												1
	5121182	PLUG, 1/4" PIPE (2.4015)												2
	5146014	PLUG, 1/4" PIPE (12.9550)												2
	180120	BOLT, 3/8"-16X3/4" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2

* OBSOLETE

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1108	1116	1119	1130	1169	1196	1197	1209	1234	1290	1298
		2.5004 - FITTING, AUXILLARY PUMP AND TANK											
	178661	TEE, 3/8" TUBE (12.9496)							1				
	442348	TEE, 3/8" TUBE (12.9490)							1				
	190367	ELBOW, 1/4" PIPE 90 DEG. (12.9590)							1				
	193004	ELBOW, 3/8 INV. FL. TUBE 90 DEG. (12.9480)							4				
	189060	BUSHING, 3/4"X1/4" (12.9570)							2				
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)							2				
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							2				
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)							1				
	137399	NUT, 3/8" TUBE (12.9460)							1				
		2.5006 - VALVE, FUEL SUPPLY CHECK											
	5174924	VALVE, CHECK (1/4" INLET)								1			
		2.5010 - HOSE, FUEL SUPPLY TO STRAINER											
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)								1			
		2.5050 - TUBE, STRAINER TO FUEL PUMP											
4A	5131829	# HOSE (#6X12" L.)								1			
4A	5133918	HOSE (#50X14" L.) (2.5149)		1									
4A	5136746	* TUBE ASSY. (DEV. L. 11.94")			1								
4A	5179513	TUBE ASSY. (DEV. L. 39.32")						1					
4A	5121149	TUBE ASSY. (DEV. L. 39.76")										1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1		1		1	
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)			1								
	9432249	ELBOW, 3/8" INV. FL. TUBE (12.9480)								1			
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)										1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)								1			
	5146438	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)									1		
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)		1									
	5146439	ELBOW, 3/8" INV. FL. TUBE X 1/4" NPT (12.9480)									1		
	5138299	ELBOW, 1/2" TUBE SEALASTIC (12.9425)			1								
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)			1								

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1108	1116	1119	1130	1169	1196	1197	1209	1234	1290	1298
		2.5050 - TUBE, STRAINER TO FUEL PUMP (CONT'D)											
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		# NOT SERVICED, USE 5199575 HOSE AND (2) 5199579 FITTINGS.											
		2.5070 - CLIP, STRAINER TO FUEL PUMP											
4A	5177623	CLIP, 3/8" TUBE (2.5120)						1				2	
	5112241	CLIP, 3/8" TUBE						4					
	110502	SCREW, #10-24X3/4" (12.9025)						2					
	120217	LOCKWASHER, #10 CAD. (12.9200)						2					
	110633	NUT, #10-24 (12.9120)						2					
		2.5100 - TUBE, FUEL PUMP TO FILTER											
4A	5136642	TUBE (DEV. L. 25.66")									1		
4A	5134897	TUBE (DEV. L. 36.22")	1									1	
4A	5109488	TUBE (DEV. L. 41.62")											1
4A	5143609	* TUBE ASSY. (DEV. L. 17.68")			1								
4A	5146336	* TUBE ASSY. (DEV. L. 34.90")						1					
	5130691	HOSE, 5/16"X21" L.								1			
	5137492	HOSE (#6X9.50")		1									
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1				2		1		1	1
	5138305	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)			1								
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			1								
	444148	TEE, 1/4" PIPE (12.9490)			1			1					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1					1	2	1	1
	5121182	PLUG, 1/4" PIPE (2.4015)			1			1					
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE											
4A	5177623	CLIP, 3/8" TUBE (2.5120)						1			1		1
4A	2488022	CLIP, 3/8" TUBE (NEOPRENE COATED)								1			
	5112241	CLAMP (2.5070)										6	
	5175705	SPACER, 13/32"X7/8"X1" THICK								1			
	110502	BOLT, #10-24X3/4" (12.9025)										3	
	179847	BOLT, 3/8"-16X2" (12.9001)								1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)									1		
	120217	LOCKWASHER, #10 MED. (12.9200)										3	

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1108	1116	1119	1130	1169	1196	1197	1209	1234	1290	1298
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)									1		
	110633	NUT, #10-24 (12.9120)										3	
	117049	NUT, 3/8"-24 (12.9120)									1		
		2.5151 - TUBE, FILTER OUTLET											
4A	5129623	TUBE (DEV. L. 12.68")	1				1						1
4A	5143610	% TUBE ASSY. (DEV. L. 12.03") (2.5149)			1								
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				1						1
	5179969	ELBOW, 3/8" SEALASTIC (12.9425)			1								
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9415)	1			1		1					1
		% NOT SERVICED. FOR SERVICE FABRICATE A 12.0" L. OF 5199575 BULK HOSE, INCLUDE 1-5199579 FITTING AND SD-29.											
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE											
	5123174	TUBE (DEV. L. 9.58") (2.5100)									1		
	5137493	HOSE (#6X10.50" L.) (2.5149)		1									
	5132278	HOSE (#6X24 3/8" L.)								1			
	5199575	HOSE, BULK #6X25' (CUT L. 13") (12.8550)										1	
	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT)										1	
	5199588	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (90 DEG.)										1	
	442323	*CONNECTOR, 3/8" INV. FL. TUBE 90 DEG. (12.9460)*								1			
	143338	ELBOW, 3/8" TUBE 45 DEG. (12.9480)		1									
	193004	ELBOW, 3/8" TUBE 90 DEG. (12.9480)		1						1		2	
		2.5163 - TUBE, FUEL SUPPLY CORSSOVER											
	5128282	* TUBE (DEV. L. 12.25")			1								
	5144520	* HOSE (#6X18" L.)		1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1									
	5125447	ELBOW, 3/8" TUBE SEALASTIC (12.9425)			1								
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)			2								
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)			2								
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1108	1116	1119	1130	1169	1196	1197	1209	1234	1290	1298
		2.5180 - CLIP, CYLINDER HEAD INLET TUBE											
	5163473	CLIP, 1/2" TUBE (4.6040)		1						2			
	5166565	BRACKET (9.1591)		1									
	5178595	BRACKET								1			
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1									
	106284	BOLT, 3/8"-24X5/8" (12.9001)								1			
	103321	LOCKWASHER, 3/8" (12.9200)		1						1			
	102635	NUT, 3/8"-16 (12.9120)		1									
	117049	NUT, 3/8"-24 (12.9120)								1			
		2.5205 - TUBE, FUEL DRAIN CROSSOVER											
	5144339	* HOSE (#5X9" L)		1									
	444134	TEE, PIPE 1/4" (12.9490)		1									
	5129845	CONNECTOR, 5/16" INV. FL. TUBE (2.5210)		1									
	9432264	CONNECTOR, 5/16" TUBE, 1/4"-18 (12.9460)		2									
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5210 - TUBE, FUEL DRAIN											
	5127911	ELBOW, 1/4", .070" RESTRICTED	1							1		1	
	5116440	ELBOW, 5/16", .070" RESTRICTED			1			1					1
		2.5212 - COOLER ASSY., FUEL											
	5136348	COOLER					1						
		2.5215 - HOSE, FUEL DRAIN											
4A	5136299	* HOSE (.31"X22")			1								
4A	5186083	HOSE (1/4" I.D.X14" L)					1						
	5141170	* HOSE (5/16"X22 7/8")		1									
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)					1						
	425250	CONNECTOR, 5/16" TUBE, 1/4" (12.9460)		1									

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2.5000A FUEL LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1108	1116	1119	1130	1169	1196	1197	1209	1234	1290	1298
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)											
	118752	CONNECTOR, 1/2" TUBE, 3/8" PIPE			1								
	111624	COUPLING, 3/8"X1/4" RED. (12.9580)			1								
		* OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.											
		2.5220 - CLIP, FUEL DRAIN TUBE											
4A	5168001	CLIP, 1/2" TUBE (12.4095)		1									
4A	5171509	CLIP, 5/8" TUBE (9.1591)			1								
		2.5230 - BRACKET, FUEL DRAIN TUBE											
	5145872	BRACKET, CLIP									1		

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13141	13151	13211	13251	13261	13271	13291	13301	13311	13321	13331	13341
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4B	5147580	HOSE (#8X33.5" L.) (4.4335)	1											
4B	5147578	HOSE (#8X18" L.) (2.5010)		1										
4B	5199576	% HOSE, BULK #8 (CUT L. 14") (12.8550)							1			1		1
4B	5199576	% HOSE, BULK #8 (CUT L. 21") (12.8550)									1			
4B	5199580	FITTING, #8 HOSE (STRAIGHT)(12.8552)							2		2	2		1
4B	5199589	FITTING, #8 HOSE (90 DEG.) (12.8552)												1
4B	431538	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1							1			1
4B	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1	1					2		1	2		1
		% BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE												
	2476234	CLIP, #6 TEFLON	3	2										
	5176400	BRACKET (4.8010)	1											
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)	1											
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1											
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	2											
	102635	NUT, 3/8"-16 (12.9120)	1											
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE												
4B	5147572	HOSE, #6 X 11" L. (2.5149)	1											
4B	5147573	HOSE, #6 X 12.5" L. (2.5010)		1										
4B	5131519	HOSE, 5/16"X35 5/16" L. (3.5660)			1									
4B	5199575	% HOSE, BULK #6 (CUT L. 10") (12.8550)				1								
4B	5199575	% HOSE, BULK #6 (CUT L. 10 1/2") (12.8550)							1	1		1		
4B	5199575	% HOSE, BULK #6 (CUT L. 12") (12.8550)												1
4B	5199575	% HOSE, BULK #6 (CUT L. 16") (12.8550)									1		1	
4B	5199575	% HOSE, BULK #6 (CUT L. 49") (12.8550)					1							
4B	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL. STRAIGHT) (12.8552)				2	1		2	2	2	2	2	2
4B	5199593	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (45 DEG.) (12.8552)					1							
4B	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	1	2	2		2	2	2	2	2	2
	5121182	PLUG, 1/4" PIPE (2.4015)			2									
	137520	NIPPLE, 1/4"X3 1/4" L. (12.9560)			1									
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)			1									
	105417	TEE, 1/4"X1/4"X1/4" PIPE (12.9616)			1									
		% BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE												
4A	2476234	CLIP, #6 TEFLON (2.5070)	1	1										
4A	2488022	CLIP, 3/8" NEOPRENE (12.8554)			2									
4A	5147599	CLIP, #6 HOSE (LONG SHANK) (12.8554)					2							

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13141	13155	13216	13225	13226	13227	13229	13230	13231	13232	13233	13234
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE (CONT'D)												
	5176400	BRACKET (4.8010)	1	1										
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1	1										
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1	1										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR										
	117049	NUT, 3/8"-24 (12.9120)	1	1										
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5147599	CLIP, #6 HOSE (LONG SHANK) (12.8554)				1			1	1	1	1	1	1
	2488022	CLIP, 3/8" TUBE (NEOPRENE COATED) (12.8554)				1						1		
	5196119	SPACER, 13/32"X7/8"X1/8" (3.4001)				1						1		
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)				1						1		
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE												
4B	5147575	HOSE, #6X28.5" L.		1										
4B	5147576	HOSE, #6X31" L.	1											
4B	5199575	* HOSE, BULK #6 (CUT L.21") (12.8550)									1		1	
4B	5199575	* HOSE, BULK #6 (CUT L. 24") (12.8550)							1	1				
4B	5199575	* HOSE, BULK #6 (CUT L. 26") (12.8550)												1
4B	5199575	* HOSE, BULK #6 (CUT L. 34") (12.8550)				1						1		
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)				1	1		1	1	1	1	1	1
3	5199588	FITTING, #6 HOSE (90 DEG.)(12.8552)				1			1	1	1	1	1	1
3	5199593	FITTING, #6 HOSE (45 DEG.)(12.8552)					1							
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)				1	1		1	1	1	1	1	1
	442323	CONNECTOR, 3/8" TUBE (12.9460)				1						1		
4B	193004	*ELBOW, 3/8" INV. FL. TUBE 90 DEG.* (12.9480)							1	1	1		1	1
4B	143338	ELBOW, 3/8" TUBE 45 DEG. (12.9480)	1	1			1							
		* BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER												
4B	5147570	HOSE, #6X20" L.	1	1										
4B	5199575	+ HOSE, BULK #6 (CUT L. 7 1/2") (12.8550)				1	1	1	1	1	1	1	1	1
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)				1	1	1	1	1	1	1	1	1
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)				1	1	1	1	1	1	1	1	1
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)						1						
	5104778	TEE, 3/8" INV. FL. TUBE (7.4694)	1	1										
4B	442323	CONNECTOR, 3/8" TUBE (12.9460)				1	1		1	1	1		1	1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1	1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1		1	1	1	1	1	1	1	1	1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13141	13151	13211	13225	13226	13227	13229	13301	13311	13322	13333	13344
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER (CONT'D)												
	444000	ADAPTOR, 1/4" PIPE (12.9640)				1	1	2	1	1	1	1	1	1
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5139082	HOSE (#5X8 3/4" L.) (2.5218)			1									
	5145853	HOSE (#6X25" L.) (3.5500)	1	1										
4B	5199575	% HOSE, BULK #6 (CUT L. 26") (CROSSOVER) (12.8550)				1	1	1	1	1	1	1	1	1
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)				1	1	1	1	1	1	1	1	1
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)				1	1	1	1	1	1	1	1	1
4B	5124232	TEE, 5/16" X 1/4" TUBE (2.5205)			1									
4B	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)			1									
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)	1	1		1	1	1	1	1	1	1	1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1		1	1	1	1	1	1	1	1	1
	190367	ELBOW, 1/4" STREET, 90 DEG. (12.9590)			1									
		% BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5215 - HOSE, FUEL DRAIN												
	5147577	HOSE, #6 X 33.5" L. (2.5210)	1	1										
B	5199391	HOSE, #6 X 64.58" L.			1									
B	5199575	+ HOSE, BULK #6 (CUT L. 9") (12.8550)						1						
4B	5199575	+ HOSE, BULK #6 (CUT L. 15") (12.8550)				1	1		1	1		1	1	1
4B	5199575	+ HOSE, BULK #6 (CUT L. 31") (12.8550)									1			
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)				1	1	1	1	1	1	1	1	1
4B	5199583	FITTING, #6 HOSE (STRAIGHT)(12.8552)						1						
	5199592	FITTING, #6 HOSE (90 DEG.) (12.8552)				1	1		1	1	1	1	1	1
	5116440	ELBOW, 5/16"-.070" RESTRICTED (2.5210)	1	1		1	1	1	1	1	1	1	1	1
	5128522	EXTENSION, 3/8" INV. FL. TUBE, 2" L. (2.5210)				1	1		1	1	1	1	1	1
	442323	CONNECTOR, 3/8" INV. FL. TUBE, 90 DEG. (12.9460)	1	1		1	1	1	1	1	1	1	1	1
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5220 - CLIP, FUEL DRAIN TUBE												
	2488022	CLIP, 3/8" (COATED) (12.8554)			3	1	4	3	3	3	3	3	3	3
	2476234	CLIP, #6 TEFLON (12.5070)	2	2		2								
	5130913	BRACKET, CLIP (7.4597)				1	1	1	1	1	1	1	1	1
	5127861	BRACKET (7.1587)				2		2						
	5157412	SPACER, 1/4" (7.4013)				2	2	2	2	2	2	2	2	2
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)	1	1										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13141	13151	13211	13225	13226	13227	13229	13230	13231	13232	13233	13234
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)												
	179835	BOLT, 3/8"-16X5/8" (12.9001)			1									
	179839	BOLT, 3/8"-16X1" (12.9001)				2	1	2	1	2	2	1	1	1
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							1					
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				2	2	2	2	2	2	2	2	2
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)	1	1										
	103341	WASHER, 3/8" (12.9190)						1			1			
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 (12.9120)				2	1	2	1	1	1	1	1	1
		2.5255 - SHIELDING, FLEXIBLE HOSE												
	5101020	STRAP, HOSE	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13361	13381	13412	13423	13444	13445	13446	13447	13457	13641
		2.5050 - TUBE, STRAINER TO FUEL PUMP										
4B	**5131311**	* HOSE, FLEX. (21 5/16" L.)									1	
4B	**5199576**	% HOSE, BULK #8 (CUT L. 11") (12.8550)					1					
4B	**5199576**	% HOSE, BULK #8 (CUT L. 14") (12.8550)		1	1		1	1				
4B	**5199580**	FITTING, #8 HOSE (STRAIGHT)(12.8552)		2	2		2	2				
4B	**431538**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1			1	1				
4B	**193004**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)									1	
4B	**137425**	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		1	2		1	1				
		* OBSOLETE, CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.										
		% BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE										
4B	**5142003**	HOSE (#6X17 1/2" L.) (2.5400)									1	
4B	**5199575**	# HOSE, BULK #6 (CUT L. 7 1/2") (12.8550)						1				
4B	**5199575**	# HOSE, BULK #6 (CUT L. 6") (12.8550)		1								
4B	**5199575**	# HOSE, BULK #6 (CUT L. 10") (12.8550)				1						
4B	**5199575**	# HOSE, BULK #6 (CUT L. 10 1/2") (12.8550)			1		1					
4B	**5199575**	# HOSE, BULK #6 (CUT L. 16") (12.8550)								1		
4B	**5199575**	# HOSE, BULK #6 (CUT L. 45") (12.8550)				1						
4B	**5199575**	# HOSE, BULK #6 (CUT L. 49") (12.8550)					1					
*B	**5199579**	FITTING, #6 HOSE (STRAIGHT)(12.8552)		1	2	2		2	1	2		
8	**5199588**	FITTING, #6 HOSE (90 DEG.) (12.8552)		1			1		1			
4B	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1		2			
4B	**193004**	ELBOW, 3/4 INV. FL. TUBE 90 DEG. (12.9480)		2	2	2	1	2		2	2	
		# BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE										
	2488022	CLIP, 3/8" NEOPRENE (12.8554)				2						
	5182647	ADAPTOR, CLIP (5.2190)				2						
	186625	BOLT, 5/16"-18X3/8" (12.9001)				2						
	120393	WASHER, 5/16" (12.9190)				2						
	103320	LOCKWASHER, 5/16" (12.9200)				2						
	120376	NUT, 5/16"-18 (12.9120)				2						
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE										
	5147599	CLIP, #6 HOSE (LONG SHANK) (12.8554)		1			1			1		
	2488022	CLIP, 3/8" TUBE (NEOPRENE COATED) (12.8554)			2	1	2	1				

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13361	13381	13412	13423	13441	13445	13446	13447	13577	13644
		2.5156 - CLIP, FILTER OUTLET TUBE (CONT'D)										
	5171509	CLIP, 5/8" TUBE (9.1591)									1	
	5182647	ADAPTOR, CLIP (5.2190)			2		2	1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)			2		2					
	186629	BOLT, 5/16"-18X1" (12.9001)						1				
	179835	BOLT, 3/8"-16X5/8" (12.9001)			1		1	1				
	120393	WASHER, 5/16" (12.9190)			2		2	1				
	103341	WASHER, 3/8" (12.9190)			1		1	1				
	103320	LOCKWASHER, 5/16" (12.9200)			2		2	1				
	103321	LOCKWASHER, 3/8" (12.9200)			1		1	1				
	120376	NUT, 5/16"-18 (12.9120)			2		2	1				
		2.5160 - HOSE, FILTER TO CYLINDER HEAD										
4B	5137130	HOSE, #6X32" L.									1	
4B	5131517	HOSE, 5/16"X18 9/16" L. (2.5100)									1	
4B	5199575	+ HOSE, BULK #6 (CUT L. 7 1/2") (12.8550)							1			
4B	5199575	+ HOSE, BULK #6 (CUT L. 19") (12.8550)				1						
4B	5199575	+ HOSE, BULK #6 (CUT L. 20") (12.8550)					1					
4B	5199575	+ HOSE, BULK #6 (CUT L. 21") (12.8550)								1		
4B	5199575	+ HOSE, BULK #6 (CUT L. 28") (12.8550)		1								
4B	5199575	+ HOSE, BULK #6 (CUT L. 30") (12.8550)						1				
4B	5199575	+ HOSE, BULK #6 (CUT L. 31") (12.8550)			1							
4B	5199575	+ HOSE, BULK #6 (CUT L. 33") (12.8550)					1					
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)		1	1	1	1	1	1	1		
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)		1					1	1		
4B	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)			1	1	1	1				
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)		1	1		1	1		1		
	442323	CONNECTOR, 3/8" TUBE SEALASTIC (12.9515)							1			
4B	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1	1	1	1		1	3	
4B	143338	ELBOW, 3/8" TUBE 45 DEG. (12.9480)		1					1		1	
	178690	TEE, 3/8" INV. FL. TUBE (12.9490)				1						
	444000	ADAPTOR, 1/4"-18 PIPE (12.9640)									1	
		+ BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER										
	5135034	TUBE, FUEL CROSSOVER									1	
4B	5199575	* HOSE, BULK #6 (CUT L. 7 1/2") (12.8550)			1	1	1	1		1		1
4B	5199575	* HOSE, BULK #6 (CUT L. 12") (12.8550)							1			
4B	5199575	* HOSE, BULK #6 (CUT L. 16 1/2") (12.8550)		1								
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)		2	1	1	1	1	1	1		2

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1336	1338	1341	1342	1343	1344	1345	1346	1347	1357	1364
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER (CONT'D)											
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)			1	1	1	1	1		1		
	5179969	ELBOW, 3/8" TUBE SEALASTIC 90 DEG. (12.9425)										2	
	5179938	FERRULE, 3/8" TUBE SEALASTIC (12.9435)										2	
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)										2	
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)											1
4B	442323	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)			1		1		1		1		2
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1				1					
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)										1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1	1	1	1		1		1
	444000	ADAPTOR, 1/4" PIPE (12.9640)				1		1	1		1		2
	5121182	PLUG, 1/4" PIPE (2.4015)										1	
		* BULK HOSE, CUT TO LENGTH SHOWN.											
		2.5205 - TUBE, FUEL DRAIN CROSSOVER											
4B	5199575	? HOSE, BULK #6 (CUT L. 7") (12.8550)				1	1	1					
4B	5199575	? HOSE, BULK #6 (CUT L. 11") (12.8550)							1				
4B	5199575	? HOSE, BULK #6 (CUT L. 12 1/2") (12.8550)	1										
4B	5199575	? HOSE, BULK #6 (CUT L. 21") (12.8550)		1	1								
B	5199575	? HOSE, BULK #6 (CUT L. 26") (12.8550)									1		1
B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)	1	1	1	1	1	1	1		1	1	1
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)	1	1	1	1	1	1	1		1		1
4B	5199592	FITTING, #6 HOSE (90 DEG.) (12.8552)	1										
4B	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1	1	1	1				
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1					1		1		1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1	1			1		1
4B	444134	TEE, 1/4"-18 INV. FL. TUBE (12.9490)							1				
		? BULK HOSE, CUT TO LENGTH SHOWN.											
		2.5210 - TUBE, FUEL DRAIN											
	5135035	TUBE (16.06" DEV. L.)										1	
	5116440	ELBOW, 5/16" INV. FL. TUBE (.070" RESTRICTED)										1	
		2.5212 - COOLER ASSY., FUEL											
	5136348	COOLER	1							1			

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13361	13381	13412	13423	13444	13455	13466	13477	13577	13644
		2.5214 - TUBE, FUEL COOLER										
	5110373	HOSE (2" I.D.X3" L.) (5.3330)	1									
	8920537	CLAMP (1 9/16"X2 1/2" DIA. HOSE) (12.9660)	2									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)							1			
		2.5215 - HOSE, FUEL DRAIN										
4B	5199575	% HOSE, BULK #6 (CUT L. 9") (12.8550)										1
4B	5199575	% HOSE, BULK #6 (CUT L. 12") (12.8550)							1			
4B	5199575	% HOSE, BULK #6 (CUT L. 15") (12.8550)			1	1	1	1		1		
4B	5199575	% HOSE, BULK #6 (CUT L. 17") (12.8550)	1									
4B	5199575	% HOSE, BULK #6 (CUT L. 20") (12.8550)						1				
4B	5199575	% HOSE, BULK #6 (CUT L. 31") (12.8550)		1								
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)	1	1	1	1	1	1	2	1		1
4B	5199583	FITTING, #6 HOSE (STRAIGHT)(12.8552)						1				1
	5199588	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (90 DEG.) (12.8552)	1									
	5199592	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (90 DEG.) (12.8552)		1	1	1	1	1		1		
4B	5129845	CONNECTOR, 5/16" INV. FL. TUBE (2.5210)						1				
	5116440	ELBOW, 5/16"-.070" RESTRICTED (2.5210)		1	1	1	1	1		1		1
	5128522	EXTENSION, 3/8" INV. FL. TUBE, 2" L. (2.5210)		1	1	1	1	1		1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE, 90 DEG. (12.9460)		1	1	1	1	1	1	1		1
	193004	ELBOW, 3/8" INV. FL. TUBE, 90 DEG. (12.9480)	1						1			
		% BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5220 - CLIP, FUEL DRAIN TUBE										
	2488022	CLIP, 3/8" (COATED) (12.8554)		2	1	1	1	1	1	3		3
	5134840	CLIP, 5/16" (COATED)									1	
	5130913	BRACKET, CLIP (7.4597)							1	1		1
	5176400	BRACKET		1								
	5157412	SPACER, 1/4" (7.4013)								2		2
	179837	BOLT, 3/8"-16X3/4" (12.9001)									1	
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)		1					1			
	179839	BOLT, 3/8"-16X1" (12.9001)								1		2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)								2		2
	106284	BOLT, 3/8"-24X5/8" (12.9001)		1								
	103341	WASHER, 3/8" (12.9190)										1
	103321	LOCKWASHER, 3/8" (12.9200)		AR					1	AR	AR	AR
	102635	NUT, 3/8"-16 (12.9120)							1	1		1
	117049	NUT, 3/8"-24 (12.9120)		1								

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13368	13381	13412	13423	13444	13455	13466	13477	13557	13684
	2.5255	**- SHIELDING, FLEXIBLE HOSE**										
	5101020	STRAP, HOSE		AR	AR	AR	AR	AR	AR	AR	AR	AR

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13691	13701	13781	13841	14001	14011	14101	14131	14151	14171
		2.5050 - TUBE, STRAINER TO FUEL PUMP										
	5179513	TUBE ASSY. (DEV. L. 39.32")									1	
	5136025	HOSE, 5/16"X19" L.										1
4A	5199575	+ HOSE, BULK #6 (CUT 38") (12.8550)		1								
4A	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)		1								
4A	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)		1								
	5198558	BUSHING, 3/8"X1/4" RED. (2.2030)		1								
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (12.9460)		1							1	
	9432267	CONNECTOR, 3/8" INV. FL. TUBE X 3/8" P.T. (12.9460)									1	
	143338	ELBOW, 3/8"-45 DEG. X 1/4" P.T. (12.9480)		1								1
		+ BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5070 - CLIP, STRAINER TO FUEL PUMP TUBE										
	5177623	CLIP, 3/8" TUBE									2	
4A	2488022	CLIP, 3/8" TUBE (NEOPRENE COATED) (12.8554)		1								
	5164789	SPACER, 13/32"X7/8" (5.4025)		1								
	186629	BOLT, 3/8"-16X1 1/2" (12.9001)		1								
	103321	LOCKWASHER, 3/8" (12.9200)		1								
		2.5100 - TUBE, FUEL PUMP TO FILTER										
	5134900	TUBE ASSY. (DEV. L. 36.90")									1	
4B	5142005	HOSE, #6X26 1/2" L.										1
	193004	ELBOW, 3/8" INV. FL. TUBE, 90 DEG. (12.9480)									1	
	9432249	ELBOW 3/8" INV. FL. TUBE (12.9480)										1
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (12.9460)									1	
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE										
	5199575	* HOSE, BULK #6 (CUT L. 10 1/2") (12.8550)					1					
	5199575	* HOSE, BULK #6X (CUT 19"L.) (12.8550)						1				
	5199575	* HOSE, BULK #6 (CUT L. 36") (12.8550)		1								1
4B	5131575	HOSE, #6X39 1/4" L. (7.8300)						1				
	5199583	FITTING, #6 HOSE (STRAIGHT)(12.8552)		1			2	1				
	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)		1								
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)		2			2					3
	193004	ELBOW, 1/4" INV. FL. TUBE, 90 DEG. (12.9480)						1				
	5104778	TEE, 1/4" PIPE (12.9490)										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1				

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13691	13701	13781	13841	14001	14011	14101	14131	14151	14171
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE (CONT'D)										
	5121182	PLUG, 1/4" PIPE (2.4015)						1				4
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)						1				
		* BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE										
4A	2488022	CLIP, 3/8" (COATED) (12.8554)		5								
	5133108	CLIP, 3/8" (90 DEG. COATED)						1				
	5112241	CLAMP (2.5070)									4	
	5155464	BRACKET, CLIP (7.1582)		2								
	5173022	BRACKET, CLIP (5.5379)		1								
	5196119	SPACER, 3/8" THICK (3.4001)						1				
	110502	BOLT, #10-24X3/4" (12.9025)									2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1								
	181361	BOLT, 3/8"-24X7/8" (12.9001)		2								
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		1							2	
	120217	LOCKWASHER, #10 (12.9200)										
	103321	LOCKWASHER, 3/8" (12.9200)		3							2	
	110633	NUT, #10-24 (12.9120)										
	117049	NUT, 3/8"-24 (12.9120)		3								
		2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE										
	5199575	* HOSE, BULK #6 (CUT L. 17")									1	
	5199575	* HOSE, BULK #6 (CUT L. 24")					1					
	5199575	* HOSE, BULK #6 (CUT L. 50") (12.8550)		1								
4B	5131517	HOSE, 5/16"X18 9/16" L. (2.5100)			1							
4B	5132278	HOSE, #6X24 3/8" L.						1				
	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)		1			1				1	
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)		1			1					
	5199593	FITTING, 5/8"-18 INV. FL. 45 DEG. (12.8552)									1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1				
	444000	ADAPTOR, 1/4"-18 PIPE (12.9460)			1							
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2			1	1			2	
4B	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1							
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)					1					
		* BULK HOSE, CUT TO LENGTH SHOWN										
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER										
4B	5199575	% HOSE, BULK #6 (CUT L. 7 1/2") (12.8550)	1				1					
4B	5131375	HOSE ASSY., #6X28" (2.5210)							1	1		1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13369	13370	13378	13384	14000	14001	14410	14413	14415	14417
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER (CONT'D)										
	5135034	TUBE (20" DEV. L.) (2.5151)			1							
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)	1				1					
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)	1				1					
4B	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2				2					
4B	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)	1									
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)							1	1		1
4B	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1				1		1	1		1
	5179969	ELBOW, 3/8"-90 DEG. SEALASTIC (12.9425)			2							
	178917	TEE, 3/8" TUBE, 1/4" PIPE (12.9616)							1	1		1
	144598	NIPPLE, 1/4"X2 1/2" (12.9560)							1	1		1
	444000	ADAPTOR, 1/4" PIPE (12.9460)	2				1		1	1		1
	5179938	SEAL RING (12.9435)			2							
	5179937	NUT, 3/8" TUBE (12.9445)			2							
		% BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5180 - CLIP, CYLINDER HEAD INLET TUBE										
	5153473	CLIP, 1/2" (4.6040)						2				
	2488022	CLIP, 3/8" (COATED) (12.8554)	4								1	
	5147599	CLIP, 3/8" (LONG SHANK) (COATED)					1					
	5171509	CLIP, 5/8" (9.1591)			1				1	2		1
	5130913	BRACKET, CLIP (7.4597)	1									
	5178595	BRACKET, CLIP (2.5030)						2				
	5157412	SPACER, 7/8"X13/32"X1/4" (7.4013)	2									
	179839	BOLT, 3/8"-16X1" (12.9001)	1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							1			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2									
	214265	* BOLT, 3/8"-16X3 3/4" (12.9001)								1		1
	106284	BOLT, 3/8"-24X5/8" (12.9001)						1				
	103321	LOCKWASHER, 3/8" (12.9200)	3					1				
	102635	NUT, 3/8"-16 (12.9120)	1									
	117049	NUT, 3/8"-24 (12.9120)						1				
		* OBSOLETE										
		2.5205 - TUBE, FUEL DRAIN CROSSOVER										
4B	5199575	+ HOSE, BULK #6 (CUT L. 26")					1					
4B	5199575	+ HOSE, BULK #6 (CUT L. 41") (12.8550)	1									
	5135034	TUBE (DEV. L. 22.88") (2.5151)							1	1		1
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)	1				1					
4B	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)	1									
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)					1					
4B	143338	ELBOW, 3/8" INV. FL. TUBE, 45 DEG. (12.9480)	1				1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13369	13370	13378	13384	14000	14001	14410	14413	14415	14417
		2.5205 - TUBE, FUEL DRAIN CROSSOVER (CONT'D)										
4B	193004	ELBOW, 3/8" INV. FL. TUBE, 45 DEG. (12.9480)	1				1					
	9432249	ELBOW, 3/8" INV. FL. TUBE, 90 DEG. (12.9480)							1	1		1
	5138298	* ELBOW ASSY., 3/8" 90 DEG. (12.9425)							2	2		2
	5121182	PLUG, 1/4" PIPE (2.4015)							1	1		1
		* NOT SERVICED, USE ONE EACH OF 5179969 ELBOW, 5179938 SEAL RING AND 5179937 NUT.										
		+ BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5210 - TUBE, FUEL DRAIN										
	5143774	TUBE (15.12" DEV. L.) (7.8310)			1							1
	5140146	TUBE (1.1100)			1							
	5135035	TUBE ASSY. (DEV. L. 16.06")								1		1
	5127911	ELBOW, 1/4" INV. FL. TUBE (.070" RESTRICTED)						1				
	5116440	ELBOW, 5/16" INV. FL. TUBE (.070" RESTRICTED)		1	1				1		1	
	5112892	ELBOW, 5/16" INV. FL. (2.4001)							1			1
	173182	TEE, 5/16" INV. FL. TUBE, 3 WAY (12.9490)			1							
	137398	NUT, 5/16" INV. FL. TUBE (12.9500)			1							
		2.5215 - HOSE, FUEL DRAIN										
4B	5199575	+ HOSE, BULK #6 (CUT L. 6")							1			
4B	5199575	+ HOSE, BULK #6 (CUT L. 9") (12.9550)	1									
4B	5199575	+ HOSE, BULK #6 (CUT L. 15") (12.9550)					1					
4B	5199583	FITTING, #6 HOSE (STRAIGHT)(12.8552)	1									
	5199592	FITTING, #6 HOSE (STRAIGHT)(12.8552)					1					
4B	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)	1				1		1			
4B	5199597	FITTING, #6 HOSE (45 DEG.) (12.9552)							1			
	5113191	FITTING, 5/8"-18 (12.6692)							1			
	5128522	EXTENSION, 3/8" INV. FL. TUBE X 2" L. (12.5210)					1					
	5116440	ELBOW, 5/16"-.070" RESTRICTED (2.5210)	1				1					
4B	442323	CONNECTOR, 3/8" INV. FL. TUBE, 90 DEG. (12.9460)	1				1					
	118750	CONNECTOR, 3/8" (12.9380)							1			
	442330	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1			
		+ BULK HOSE, CUT TO LENGTH SHOWN										
		2.5220 - CLIP, FUEL DRAIN TUBE										
	5134840	CLIP, 5/16"			1							
	2488022	CLIP, 3/8" (COATED) (12.8554)	1				3		1			
	140580	CLIP, 3/8" (12.9630)								1		1

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13691	13701	13781	13841	14001	14011	14101	14131	14151	14171
		2.5220 - CLIP, FUEL DRAIN TUBE (CONT'D)										
	5130913	BRACKET (7.4597)					1					
	5157412	SPACER, 1/4" THICK (7.4013)					1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)			1					1		1
	179839	BOLT, 3/8"-16X1" (12.9001)	1				1					
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)					2					
	120393	WASHER, 5/16" (12.9190)	1									
	103321	LOCKWASHER, 3/8" (12.9200)	1		1		3			1		1
	102635	NUT, 3/8"-16 (12.9120)					1					
		2.5255 - SHIELDING, FLEXIBLE HOSE										
	5101020	STRAP, HOSE	AR	AR			AR					2
		2.5490 - PRIMER PUMP, FUEL										
		FUEL PRIMER PUMPS ARE SERVICED ONLY AS ASSEMBLIES. FOR COMPONENTS CONTACT THE KOHLER CO., KOHLER, WISC., FURNISHING THEIR ASSY. NUMBER IN PARENTHESES.										
	5110760	PRIMER PUMP (K-2405-1/8-B-6)				1						

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1423	1424	1426	1427	1428	1429	1455	1463	1466	1477	1487	1489	1499	1500
		2.5050 - TUBE, STRAINER TO FUEL PUMP														
		• FOR TYPE 1439 USE TYPE 1703 ▪														
		• FOR TYPE 1451 USE TYPE 1643 ▪														
4A	5141351	TUBE ASSY., (DEV. L. 9.90")			1											
4A	5142945	TUBE ASSY. (DEV. L. 9.70")				1										
4A	5121149	TUBE ASSY. (DEV. L. 39.76")							1							
4A	5199575	% HOSE, BULK #6 (CUT L. 21.31") (12.8550)									1					
4A	5199575	% HOSE, BULK #6 (CUT L. 8.5") (12.8550)					1									
4A	5199575	% HOSE, BULK #6 (CUT L. 37") (12.8550)												1		
4A	5199576	% HOSE, BULK #6 (CUT L. 21") (12.8550)														1
4A	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)					2				1			1		
4A	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)									1			1		
4A	5199580	FITTING, #8 HOSE (3/4"—18 MALE INV. FL.) (STRAIGHT) (12.8552)														2
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG.) (12.9480)			1	1					1					
	8924217	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1		1				1					
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)							1					1		
	8924168	+ ELBOW, 1/4" STREET 90 DEG. (12.9590)					1									
	9432267	CONNECTOR, 3/8" INV. FL. TUBE X *3/8" P.T. (12.9460)*				1								1		
4A	442330	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1									
4A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1							
	137425	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1		1							2
	5198558	*BUSHING, 3/8"X1/4" RED. (2.2030)*														1
	8924175	ELBOW, 3/8"-18 TUBE 90 DEG. (12.9590)							2							
		% BULK HOSE, CUT TO LENGTH SHOWN.														1
		+ USED WITH 5130689 HOSE ASSY.														
		2.5070 - CLIP, STRAINER TO FUEL PUMP														
4A	5177623	CLIP, 3/8" TUBE (2.5120)														
4A	2488022	CLIP, #6 HOSE (NEOPRENE COATED) (12.8554)														1
		2.5100 - TUBE, FUEL PUMP TO FILTER														
4A	5121081	TUBE ASSY. (DEV. L. 21.28")	1													
4A	5102369	TUBE ASSY. (DEV. L. 13.89")		1												
4A	5141346	TUBE ASSY. (DEV. L. 13.86")			1											
4A	5142944	TUBE ASSY. (DEV. L. 19.26")				1										
4A	5199575	* HOSE, BULK #6 (CUT L. 10") (12.8550)					1									
4A	5137321	HOSE ASSY., #6X39 1/8"						1								
4A	5134897	TUBE ASSY., DEV. L. 36.22"							1						1	
4A	5109487	TUBE ASSY., DEV. L. 41.62"								1						
4A	5136632	HOSE ASSY., 5/16"X25 3/4"L.									1					
4A	5199575	* HOSE, BULK #6 (CUT L. 49") (12.8550)										1				
4A	5199575	* HOSE, BULK #6 (CUT L. 36") (12.8550)												1		
4A	5199575	* HOSE, BULK #6 (CUT L. 10") (12.8550)														1
4A	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)					2					1		1		1
4A	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)										1				
4A	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)												1		

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1423	1424	1426	1427	1428	1429	1455	1463	1466	1477	1487	1489	1499	1500
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)														
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	2		1	1	2	2		1	1	2

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14231	14241	14261	14271	14281	14291	14551	14631	14661	14771	14871	14891	14991	15001
		2.5100 - TUBE, FUEL PUMP TO FILTER (CONT'D)														
	118755	ELBOW, 3/8" TUBE 90 DEG. (12.9390)						1								
4A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1			1	1				1	1	
4A	118750	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)						1								
		* BULK HOSE, CUT TO LENGTH SHOWN														
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE														
4A	5133108	CLIP, 3/8" TUBE	1													
4A	5138090	CLIP, 3/8" TUBE (2.5220)				2										
4A	5177623	CLIP, 3/8" TUBE								1					1	
4A	2488022	CLIP #6 HOSE (NEOPRENE COATED) (12.8554)										4		4		
4A	5153473	CLIP, 1/2" (4.6040)						3								
	5112241	CLAMP (2.5070)							6							
	5182647	ADAPTOR (5.2190)										2				
	5196119	SPACER, 13/32" X 7/8" (3.4001)	1									1				1
	5160629	SPACER, 13/32"X7/32" (4.2270)							3					1		
	110502	SCREW, #10-24X3/4" (12.9025)				1										
	436574	SCREW, #10-24X1" SL. HD. (12.9025)										2				
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1				1				
	179835	BOLT, 3/8"-16X5/8" (12.9001)												1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)														
	186622	BOLT, 3/8"—16X1 1/4" (12.9001)										1				1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1													
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)										1				1
	120391	WASHER, 7/32"X1/2" (12.9190)				1										
	120393	WASHER, 5/16" (12.9190)										2				
	103341	WASHER, 3/8" (12.9190)										1				
	120217	LOCKWASHER, #10 (12.9200)				1			3							
	103321	LOCKWASHER, 3/8" (12.9200)										4				1
	110633	NUT, #10-24 (12.9120)				1			3							
	120361	NUT, #10-24 (12.9120)										2				
		2.5149 - TUBE, FILTER TO CYLINDER HEAD														
	5102387	TUBE ASSY.	1	1												
4A	5125319	TUBE ASSY. (DEV. L. 19.50")							1							
4A	5199575	+ HOSE, BULK #6 (CUT L. 22") (12.8550)			1	1										
4A	5199575	+ HOSE, BULK #6 (CUT L. 10") (12.8550)					1									
4A	5199575	+ HOSE, BULK #6 (CUT L. 34") (12.8550)														1
4A	5136331	HOSE ASSY., NO. 6X13"						1								
4A	5136232	HOSE ASSY., NO. 6X 14" (2.5110)								1						
4A	5136632	HOSE ASSY., 5/16"X25 3/4"									2					
4A	5199575	+ HOSE, BULK #6 (CUT L. 20") (12.8550)										1				
4A	5199575	+ HOSE, BULK #6 (CUT L.13")												1		
4A	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)			2	2	1					1			1	1
4A	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)					1					1				
4A	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)													1	1
4B	2011306	ELBOW, 1/4" PIPE 45 DEG. (12.9490)								1						
4B	5116440	ELBOW, 5/16" INV. FL. TUBE (.070" RESTRICTED)	1	1	1	1	1			1						
4B	190367	ELBOW, 1/4" 90 DEG. STREET (12.9590)					1									
4B	5127911	ELBOW, 1/4" INV. FL. TUBE (.070" RESTRICTED)						1	1						1	
4B	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2	2	2		1		1				1	

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14231	14244	14266	14277	14288	14299	14555	14633	14666	14777	14887	14889	14999	15000
		2.5149 - TUBE, FILTER TO CYLINDER HEAD (CONT'D)														
4B	118755	ELBOW, 3/8" FL. TUBE 90DEG.(12.9390)						1		1						
4B	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)							1		1	1				
4B	118750	CONNECTOR, 3/8" INV. FL. TUBE BRASS (12.9380)						1								
4B	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (12.9460)														1
4B	444000	ADAPTOR, 1/4"-18 PIPE (12.9640)						1			1					
	178690	TEE, 3/8" INV. FL. TUBE 2 WAY (12.9490)									1					
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)										1				1
		+ BULK HOSE, CUT TO LENGTH SHOWN.														
		2.5151 - TUBE, FILTER OUTLET														
	5129623	TUBE ASSY., 3/8" DIA.												1		
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER														
4B	5135034	TUBE (DEV. L. 23.40")									1					
4B	5199575	# HOSE, BULK #6 (CUT L.7.5") (12.8550)										1				1
4B	5131375	HOSE ASSY., #6 X 28" L. (2.5210)											1			
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)											1			
	5138298	ELBOW ASSY., 3/8" 90 DEG. (12.9425)									2					
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)										1	1			1
4B	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1				1
4B	9402709	CONNECTOR, 1/2" TUBE (12.9415)									1					
	5126391	TEE, 5/16" INV. FL. TUBE X 1/4" (7.4596)									1					
	178917	TEE, 3/8" INV. FL. TUBE (12.9490)									1	1				
	5121182	PLUG, 1/4" PIPE (2.4015)									1					
	111644	COUPLING, 3/8"X1/4" (12.9580)									1					
	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)										1				1
	5199588	FITTING, #6 HOSE (90 DEG.)(12.8552)										1				1
	444000	ADAPTOR, 1/4"-18 PIPE (12.9640)										1	1			1
	144598	NIPPLE, 1/4" X 2 1/2" (12.9560)											1			
		# BULK HOSE, CUT TO LENGTH SHOWN.														
		2.5164 - CLIP, FUEL SUPPLY CROSSOVER TUBE														
	5171509	CLIP, 5/8" TUBE (9.1591)											1			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)											1			

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14231	14241	14261	14271	14281	14291	14551	14631	14661	14771	14871	14891	14991	15000
		2.5180 - CLIP, CYLINDER HEAD INLET														
	5177623	CLIP, 3/8" SPECIAL (2.5120)	1	1					1							
	2488022	CLIP, 3/8" NEOPRENE (12.8554)			2	2					2					2
	186647	BOLT, 1/4"-20X1" (12.9001)									1					
	186625	BOLT, 5/16"-18X7/8" (12.9001)														1
	5101377	BOLT, 3/8"-16X1" (12.9001)			2	2										
	120392	WASHER, 9/32"X5/8" (12.9190)									1					
	120393	WASHER, 5/16" (12.9190)														1
	103320	LOCKWASHER, 5/16" (12.9200)														1
	103341	WASHER, 3/8" (12.9190)			2	2										1
	120376	NUT, 5/16"-18 (12.9120)														1
	103321	LOCKWASHER, 3/8" (12.9200)			2	2										
		2.5190 - BRACKET, FILTER TO CYLINDER HEAD CLIP														
	5182647	BRACKET, CLIP														1
	179835	BOLT, 3/8"-16X5/8" (12.9001)														1
	103341	WASHER, 3/8" (12.9190)														1
	103321	LOCKWASHER, 3/8" (12.9200)														1
		2.5205 - TUBE, FUEL DRAIN CROSSOVER														
	5199575	% HOSE, BULK #6 (CUT L. 26")(12.8550)										1				1
	5131575	HOSE ASSY., #6X39 1/4" (7.8300)											1			
	5142005	HOSE ASSY., #6X26 1/2" (2.5100)											1			
	5136025	HOSE ASSY., 5/16"X19" (2.5050)											1			
	5128283	TUBE (DEV. L. 25.82")											1			
	8924217	ELBOW, 3/8" INV. FL. TUBE (12.9480)											2			
	8925084	+ ELBOW ASSY., 3/8" SEALASTIC 45 DEG. (12.9425)											1			
	8925086	+ ELBOW ASSY., 3/8"-90 DEG. (12.9425)											1			
	143338	ELBOW, 3/8" 45 DEG.X 1/4" P.T. (12.9480)										1	1			1
	193004	ELBOW, 3/8" 90 DEG.X 1/4" P.T. (12.9480)										1	3			1
	5179938	SEAL RING (12.9435)											2			
	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)										1				1
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)										1				1
	5121182	PLUG, 1/4" PIPE (2.4015)											5			
	8924140	DRAINCOCK, 1/4" (12.9510)											2			
		+ INCLUDES SEAL IN 2.5205 PLUS NUT, NOT SOLD SEPARATELY.														
		% BULK HOSE, CUT TO LENGTH SHOWN.														
		2.5207 - CLIP, FUEL DRAIN CROSSOVER														
	2488022	CLIP, 3/8" NEOPRENE (12.8554)											1			2
	5130913	BRACKET, CLIP														1
	5157412	SPACER, 7/8"X1/4" (7.4013)											1			2
	179839	BOLT, 3/8"—16X1" (12.9001)														1
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)											1			2
	103321	LOCKWASHER, 3/8" (12.9200)											1			3
	102635	NUT, 3/8"—16 (12.9120)														1

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14232	14244	14266	14277	14289	14299	14555	14663	14666	14777	14887	14899	14999	15000
		2.5210 - TUBE, FUEL DRAIN														
4A	**5136732**	HOSE ASSY., #5 X 20" (2.5215)					1					1				1
4A	**5199575**	+ HOSE, BULK #6 (CUT L. 15") (12.8550)									1		1			
4A	**5143774**	TUBE ASSY. (DEV. L. 15.12") (7.8310)									1		1			
	5112892	ELBOW, 5/16" (.1065 RESTRICTED)														
	5116440	ELBOW, 5/16" INV. FL. TUBE (.070" RESTRICTED)										1		1		1
4A	**425250**	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)					1									
4A	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1				1
4A	**5199579**	FITTING, #6 HOSE (STRAIGHT)(12.8552)										1				1
4A	**5199592**	FITTING, #6 HOSE (90 DEG.) (12.8552)										1				1
	5128522	EXTENSION, 3/8" INV. FL. TUBE X 2" L. (12.5210)										1				1
		+ BULK HOSE, CUT TO LENGTH SHOWN.														
		2.5220 - CLIP, FUEL DRAIN														
4A	**5134840**	CLIP, 5/16" (NEOPRENE)									1					
4A	**2488022**	CLIP, 3/8" (NEOPRENE) (12.8554)										1				1
	140580	CLIP, 3/8" (12.9630)											1			
	5104597	BOLT, 3/8"-16X.625 (W/SEAL PATCH)									1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)											1			
	103321	LOCKWASHER, 3/8" (12.9200)									1		1			
		2.5255 - SHIELDING, FLEXIBLE HOSE														
	5101020	STRAP, HOSE									AR	AR	AR			

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15031	15041	15101	15111	15181	15191	15201	15211	15222	15225
		2.5050 - TUBE, STRAINER TO FUEL PUMP										
4A	5199576	% HOSE, BULK #8 (CUT L. 23") (12.8550)	1									
4A	5199576	% HOSE, BULK #8 (CUT L. 11") (12.8550)		1								
4A	5199575	% HOSE, BULK #6 (CUT L. 6") (12.8550)			1							
4A	5121101	TUBE ASSY. (DEV. L. 14.80")				1						
4A	5121151	TUBE ASSY. (DEV. L. 45.16")					1					
4A	5121081	TUBE ASSY. (DEV. L. 21.28")						1				
4A	5121149	TUBE ASSY. (DEV. L. 39.76")								1		
4A	5179513	TUBE ASSY. (DEV. L. 39.32")									1	
4A	5121076	TUBE ASSY. (DEV. L. 12.50")										1
4A	5199580	FITTING, #8 HOSE (STRAIGHT) (12.8552)	1	1	1							
4A	5199589	FITTING, #8 HOSE (90 DEG.) (12.8552)	1	1								
4A	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)			1							
4A	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)					1			1		
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1	1						
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)			1	1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2	2								
	9432267	CONNECTOR, 3/8" INV. FL. TUBE X 3/8" (12.9480)					1			1	1	1
	5198558	BUSHING, 3/8" X 1/4" (2.2030)					1			1	1	1
		% BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5070 - CLIP, STRAINER TO FUEL PUMP										
4A	5177623	CLIP, 3/8" TUBE (2.5120)					2	1	1	2	2	1
		2.5100 - TUBE, FUEL PUMP TO FILTER										
4A	5199575	* HOSE, BULK #6 (CUT L. 24") (12.8550)	1	1								
4A	5199575	* HOSE, BULK #6 (CUT L. 11") (12.8550)				1						
4A	5109486	TUBE ASSY. (DEV. L. 41.62")					1					
4A	5102369	TUBE ASSY. (DEV. L. 13.89")							1			
4A	5134897	TUBE ASSY. (DEV. L. 36.22")								1		
4A	5134898	TUBE ASSY. (DEV. L. 36.22")									1	
	5121081	TUBE ASSY. (DEV. L. 21.88")										1
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	2	2		1						
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)				1						
4A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9480)	1	1			1		1	1	1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			3	1			1	1	1	
		* BULK HOSE, CUT TO LENGTH SHOWN.										

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15031	15041	15101	15111	15181	15191	15201	15211	15222	15225
		2.5110 - TUBE, FUEL PUMP TO FILTER FLEXIBLE										
4B	5199575	# HOSE, BULK #6 (CUT L. 17") (12.8550)	1	1								
4B	5199575	# HOSE, BULK #6 (CUT L. 15") (12.8550)			1							
4B	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	1	1								
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)	1	1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	1							
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1							
		# BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5120 - CLIP, FUEL PUMP TO FILTER TUBE										
4A	2362448	CLIP, 1/2" NEOPRENE (12.8554)	1									
4A	2488022	CLIP, 3/8" NEOPRENE (12.8554)			1							
4A	5133108	CLIP, 3/8" COATED					1				1	
4A	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)						1			1	
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. (3.4001)						1			1	
		2.5149 - TUBE, FILTER TO CYLINDER HEAD										
4B	5199575	? HOSE, BULK #6 (CUT L. 22") (12.8550)	1	1								
4B	5199575	? HOSE, BULK #6 (CUT L. 6") (12.8550)			1							
4B	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	1	1	1							
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)	1	1	1							
4B	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	2							
4B	190367	ELBOW, 1/4" 90 DEG. STREET (12.9590)	1	1								
4B	5116440	ELBOW, 5/16" INV. FL. TUBE (.070" RESTRICTED)			1							
	144598	NIPPLE, 1/4" X 2 1/2" (12.9560)	1	1								
	5121182	PLUG, 1/4" PIPE (2.4015)			4							
	178917	TEE, 3/8" TUBE 1/4" PIPE (12.9616)	1	1								
		? BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5151 - TUBE, FILTER OUTLET										
	5129623	TUBE ASSY. (DEV. L. 12.68")					1		1	1		
	5102387	TUBE ASSY. (DEV. L. 30.98")						1	1			1
	5103959	TUBE ASSY. (DEV. L. 20.30")					1	1	1		1	1
	5116440	ELBOW, 5/16" INV. FL. TUBE (2.5210)										1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)					1	3	2	1	1	1
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)								1		
	5127911	ELBOW, 1/4" X 1/4" NPTF .070" RESTRICTED (									1	
	190367	ELBOW, 1/4" TUBE 90 DEG. (12.9590)										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)					1	1		1	1	

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15031	15041	15101	15111	15118	15119	15120	15121	15122	15125
		2.5160 - HOSE, FILTER TO CYLINDER HEAD										
	5199575	+ HOSE, BULK #6 (CUT L. 8 1/2") (12.8550)				1						
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)				2						
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)				1						
	5127911	ELBOW, 1/4" INV. FL. (.070" RESTRICTER) (2.5210)				1						
		+ BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER										
4B	**5199575**	% HOSE, BULK #6 (CUT L. 12") (12.8550)	1									
4B	**5199579**	FITTING, #6 HOSE (STRAIGHT) (12.8552)	1									
4B	**5199593**	FITTING, #6 HOSE (45 DEG.) (12.8552)	1									
4B	**442323**	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)	1									
4B	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1									
	444000	ADAPTOR, 1/4" PIPE (12.9460)	1									
	5129184	TEE, 1/4" SPL. (2.5149)	1									
		% BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5205 - TUBE, FUEL DRAIN CROSSOVER										
4B	**5199575**	= HOSE, BULK #6 (CUT L. 12") (12.8550)		1								
4B	**5199579**	FITTING, #6 HOSE (STRAIGHT) (12.8552)		1								
4B	**5199593**	FITTING, #6 HOSE (45 DEG.) (12.8552)		1								
4B	**442323**	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)		1								
4B	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1								
	444000	ADAPTOR, 1/4" PIPE (12.9460)		1								
	5129184	TEE, 1/4" SPL. (2.5149)		1								
		= BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5212 - COOLER ASSY., FUEL										
	5136348	COOLER	1	1								
		2.5214 - TUBE, FUEL COOLER										
	5110373	HOSE, 2" I.D. X 3" L. (5.3330)	2	2								
	5199575	% HOSE, BULK #6 (CUT L. 27") (12.8550)	1									
	5199575	% HOSE, BULK #6 (CUT L. 14") (12.8550)		1								
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	1	1								
	5199597	FITTING, #6 HOSE (45 DEG.) (12.8552)	1									
	5199583	FITTING, #6 HOSE (STRAIGHT) (12.8552)		1								
	8920537	CLAMP, 1 9/16"-2 1/2" CLAMPING ANGLE (12.9660)	4	4								
	5116440	ELBOW, 5/16" INV. FL. TUBE .070 REST. (2.5210)	1	1								
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2								

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2.5000A FUEL LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 15031	15041	15101	15111	15181	15191	15201	15211	15222	15225
		2.5214 - TUBE, FUEL COOLER (CONT'D)										
		% BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5215 - HOSE, FUEL DRAIN										
4B	5199575	# HOSE, BULK #6 (CUT L. 25") (12.8550)	1	1								
4B	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	2	2								
4B	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1								
		# BULK HOSE, CUT TO LENGTH SHOWN.										
		2.5220 - CLIP, FUEL DRAIN TUBE										
4A	2488022	CLIP, 3/8" NEOPRENE (12.8554)	2	2								
4A	5108249	CLIP, 2 3/8" (5.2190)	1	1								
	5112241	CLAMP (2.5070)					6			6	4	
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)	1	1								
4A	110502	SCREW, #10-24 X 3/4" (12.9025)					3			3	2	
	103320	LOCKWASHER, 5/16" (12.9200)	1	1								
	120217	LOCKWASHER, #10 (12.9200)					3			3	2	
	110633	NUT, #10-24 (12.9120)					3			3	2	
		2.5255 - SHIELDING, FLEXIBLE HOSE										
	5101020	STRAP, HOSE	AR	AR								

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1526	1527	1528	1530	1531	1532	1533	1536	1540	1547	1549	1550	1554
		2.5006 - VALVE, FUEL SUPPLY CHECK													
	5135308	VALVE, 3/8" (SWING TYPE)				1		1							
		2.5050 - TUBE, STRAINER TO FUEL PUMP													
4A	5199576	+ HOSE, BULK #8 (CUT L. 23") (12.8550)						1		1					
4A	5199576	+ HOSE, BULK #8 (CUT L. 11") (12.8550)							1						
4A	5199575	+ HOSE, BULK #6 (CUT L. 7 1/2") (12.8550)													1
4A	5121149	TUBE ASSY. (DEV. L. 39.76")										1			
4A	5199580	FITTING, #8 HOSE (STRAIGHT) (12.9480)						1	1	1					
4A	5199589	FITTING, #8 HOSE (90 DEG.) (12.8552)						1	1	1					1
4A	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)													1
4A	5199588	FITTING, #6 HOSE 90 DEG. (12.8552)										1			
4A	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)													1
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						2	2	2					
	431538	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1			
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)													1
	5198558	BUSHING, 3/8" X 1/4" (2.2030)										1			
		+ BULK HOSE, CUT TO LENGTH SHOWN.													
		2.5060 - HOSE, FUEL PUMP INLET													
	5130689	HOSE ASSY. (#6 X 11 1/4") (2.5149)	1												
	5199576	% HOSE, BULK #8 (CUT L. 14") (12.8550)		1											
	5199575	% HOSE, BULK #6 (CUT L. 8.5") (12.8550)									1				
	5199580	FITTING, #8 HOSE (STRAIGHT) (12.9480)		2											
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)									2				
	442330	CONNECTOR, 3/8" INV. FL. TUBE (12.9480)	1								1				
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		1											
	190367	+ ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9590)	1								1				
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		1											
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)									1				
	5198558	BUSHING, 3/8" X 1/4" (2.2030)	1								1				
		% BULK HOSE, CUT TO LENGTH SHOWN													
		* USED WITH 5130689 HOSE.													
		2.5070 - CLIP, STRAINER TO FUEL PUMP													
4A	5177623	CLIP, 3/8" TUBE (2.5120)										2			

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15262	15270	15280	15300	15311	15322	15333	15336	15340	15347	15349	15350	15354
		2.5100 - TUBE, FUEL PUMP TO FILTER													
4A	5199575	* HOSE, BULK #6 (CUT L. 12") (12.8550)	1								1				
4A	5142002	HOSE ASSY. (#6 X 13" L.) (2.5050)													
4A	5199575	* HOSE, BULK #6 (CUT L. 31") (12.8550)		1											
4A	5199575	* HOSE, BULK #6 (CUT L. 15") (12.8550)				1	1								
4A	5199575	* HOSE, BULK #6 (CUT L. 24")						1	1						
4A	5109486	TUBE ASSY. (DEV. L. 41.62")			1										
4A	5134897	TUBE ASSY. (DEV. L. 36.22")										1			
4A	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8550)	2	1		1	1	2	2						
4A	5199593	FITTING, #6 HOSE (45 DEG.) (12.8550)		1											
4A	5199592	FITTING, #6 HOSE (STRAIGHT) (12.8550)				1	1								
4A	5116440	ELBOW, 5/16" INV. FL. TUBE .070 RESTRICTED (2.5210)		1		1	1								
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1							1			
	5128522	EXTENSION, 3/8" INV. FL. TUBE, 2" L. (2.5210)		1		1	1								
4A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1	1	1	1	1			1			
		* BULK HOSE, CUT TO LENGTH SHOWN													
		# NOT SERVICED, USE 5199575 HOSE AND (2) 5199579 FITTINGS.													
		2.5110 - HOSE, FUEL PUMP TO FILTER													
4B	5199575	% HOSE, BULK #6 (CUT L. 6") (12.8550)		1											
4B	5199575	% HOSE, BULK #6 (CUT L. 10 1/2") (12.8550)				1	1								
4B	5199575	% HOSE, BULK #6 (CUT L. 17") (12.8550)						1	1	1					
4B	5199575	% HOSE, BULK #6 (CUT L. 10") (12.8550)											1		
4B	5199575	% HOSE, BULK #6 (CUT L. 11") (12.8550)													1
4B	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		1		2	2	1	1	1			2		1
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)		1				1	1	1					1
4B	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		2		2	2	2	2	2			2		3
		% BULK HOSE, CUT TO LENGTH SHOWN													
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE													
4A	2362448	CLIP, 1/2" NEOPRENE (12.8554)						1		1					

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15262	15271	15281	15301	15311	15323	15336	15340	15347	15349	15350	15354
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
4B	**5137492**	HOSE ASSY. (#6 X 9.50" L.)	1											
4B	**5142002**	HOSE ASSY. (#6X13" L.)								1				
4B	**5199575**	# HOSE, BULK #6 (CUT L. 28") (12.8550)		1										
4B	**5199575**	# HOSE, BULK #6 (CUT L. 24") (12.8550)				1	1							
4B	**5199575**	# HOSE, BULK #6 (CUT L. 22") (12.8550)						1	1	1				
4B	**5199575**	# HOSE, BULK #6 (CUT L. 34") (12.8550)										1		
4B	**5199575**	# HOSE, BULK #6 (CUT L. 8 1/2" (12.8550)												1
4B	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	4			1	1		1		4			1
4B	**5116440**	ELBOW, 5/16" INV. FL. TUBE .070 RESTRICTED	1								1			1
4B	**143338**	ELBOW, 3/8" INV. FL. 45 DEG. (12.9480)		1										
4B	**190367**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9590)						1	1	1	1			
4B	**5199579**	FITTING, #6 HOSE (STRAIGHT) (12.8552)		1		1	1	1	1	1		1		2
4B	**5199588**	FITTING, #6 HOSE (90 DEG.) (12.8552)		1				1	1	1		1		
4B	**5199597**	FITTING, #6 HOSE (45 DEG.) (12.8552)				1	1							
4B	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1		
	5121182	PLUG, 1/4" PIPE (2.4015)												2
	144598	NIPPLE, 1/4" X 2 1/2" (12.9560)						1	1	1				
	5104778	TEE, 1/4" X 1/4" X 5/8" (7.4694)		1		1	1					1		
	178917	TEE, 3/8" TUBE X 1/4" PIPE						1	1	1				
		# BULK HOSE, CUT TO LENGTH SHOWN												
		2.5151 - TUBE, FILTER OUTLET												
	5129623	TUBE ASSY. (DEV. L. 12.68")			1									
	5125319	TUBE ASSY. (DEV. L. 19.50")									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1									
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1						1			
	5116440	ELBOW, 5/16" INV. FL. TUBE .070 RESTRICTED (2.520)			1									
	5127911	ELBOW, 1/4" X 1/4" .070 RESTRICTED (2.5210)									1			
	143338	ELBOW, 3/8" INV. FL. TUBE-45 DEG. (12.9480)									1			
	5177623	CLIP, 3/8" (2.5120)									1			
		2.5156 - CLIP, FUEL FILTER OUTLET TUBE												
	5147599	CLIP, #6 HOSE (LONG SHANK) (12.8554)		1		1	1					1		
	2488022	CLIP, 3/8" NEOPRENE (12.8554)										1		
	5196119	SPACER, 13/32" X 7/8"-.38" THK										1		
	187491	BOLT, 3/8"-16 X 5 1/2" (12.9001)										1		
	103321	LOCKWASHER 3/8" (12.9200)										1		

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2.5000A FUEL LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 15266	15277	15288	15300	15311	15322	15333	15366	15400	15477	15499	15500	15544
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER													
	5199575	+ HOSE, BULK #6 (CUT L. 16 1/2") (12.8550)		1											
	5199575	+ HOSE, BULK #6 (CUT L. 7 1/2") (12.8550)				1	1						1	1	
	5199575	+ HOSE, BULK #6 (CUT L. 12") (12.8550)						1		1					
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		2		1	1	1		1			1	1	
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)				1	1						1	1	
	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)						1							
4B	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1		1	1	1		1			1	1	
4B	**143338**	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1											
4B	**442323**	CONNECTOR, 3/8" INV. FL. TUBE 90 DEG. (12.9460)				1	1	1		1			1	2	
	444000	ADAPTOR, 1/4" PIPE (12.9460)				1	1	1		1			1	2	
	5129184	TEE, 1/4" SPECIAL (2.5149)						1		1					
	2011306	ELBOW, 1/4"-45 DEG. STREET (12.9590)												1	
		+ BULK HOSE, CUT TO LENGTH SHOWN													
		2.5164 - CLIP, FUEL SUPPLY CROSSOVER TUBE													
	2488022	CLIP, 3/8" NEOPRENE (12.8554)		2		1	1		1						
	5177623	CLIP, 3/8" TUBE (2.5120)			1										
	5176400	BRACKET (4.8010)		1											
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)		1											
	106284	BOLT, 3/8"-24 X 5/8" (12.9001)		1											
	179839	BOLT, 3/8"-16 X 1" (12.9001)				1	1								
	103321	LOCKWASHER, 3/8" (12.9200)		2		1	1								
	117049	NUT, 3/8"-24 (12.9120)		1											
		2.5205 - TUBE, FUEL DRAIN CROSSOVER													
4B	**5199575**	* HOSE, BULK #6 (CUT L. 21") (12.8550)		1											
4B	**5199575**	* HOSE, BULK #6 (CUT L. 26") (12.8550)				1	1						1	1	
4B	**5199575**	* HOSE, BULK #6 (CUT L. 12") (12.8550)							1						
4B	**5199579**	FITTING, #6 HOSE (STRAIGHT) (12.8552)		1		1	1		1				1	1	
4B	**5199588**	FITTING, #6 HOSE (90 DEG.) (12.8552)		1		1	1		1				1	1	
4B	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1						
4B	**143338**	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1		1	1						1	1	
4B	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1		1	1		1				1	1	
	444000	ADAPTOR, 1/4" PIPE (12.9640)							1						
	5129184	TEE, 1/4" SPECIAL (2.5149)							1						
	5142470	TUBING (7.7020)												1	
		* BULK HOSE, CUT TO LENGTH SHOWN													

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2.5000A FUEL LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15262	15277	15288	15301	15311	15322	15333	15336	15340	15347	15449	15500	15544
		2.5207 - CLIP, FUEL DRAIN CROSSOVER TUBE													
	2488022	CLIP, 3/8" NEOPRENE (12.8554)				2	2						2	2	
	5130913	BRACKET (7.4597)				1	1								
	5127861	BRACKET (7.1585)											2	2	
	5157412	SPACER, 7/8" O.D. X 13/32" I.D. (7.4013)				2	2						2	2	
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)				2	2								
	179839	BOLT, 3/8"-16 X 1" (12.9001)				1	1						2	2	
	272429	BOLT, 3/8"-16 X 4 1/8" (12.9001)											2	2	
	103321	LOCKWASHER, 3/8" (12.9200)				3	3						4	4	
	102635	NUT, 3/8"-16 (12.9120)				1	1						2	2	
		2.5212 - COOLER ASSY., FUEL													
	5136348	COOLER						1	1						
		2.5214 - TUBE, FUEL COOLER													
	5110373	HOSE, 2" I.D. X 3" L. (5.3330)						2	2						
	5199575	# HOSE, BULK #6 (CUT L. 27") (12.8550)						1							
	5199575	# HOSE, BULK #6 (CUT L. 14") (12.8550)							1						
	5199575	# HOSE, BULK #6 (CUT L. 49") (12.8550)								1					
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)						1	1	1					
	5199597	FITTING, #6 HOSE (45 DEG.) (12.8552)						1		1					
	5199583	FITTING, #6 HOSE (STRAIGHT) (12.8552)							1						
	5116440	ELBOW, 5/16" INV. FL. TUBE (2.5210)						1	1	1					
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)						2	2						
	8920537	CLAMP, 1 9/16"-2 1/2" CLAMPING ANGLE (12.9660)						4	4						
		# BULK HOSE, CUT TO LENGTH SHOWN.													
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE													
4B	5136732	HOSE ASSY. (#5 X 20" L.)	1								1				
4B	5199575	+ HOSE, BULK #6 (CUT L. 25") (12.8550)						1	1	1					
4B	5199575	+ HOSE, BULK #6 (CUT L. 15") (12.8550)						2	2	2			1	1	
4B	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)											1	1	
4B	5199592	FITTING, #6 HOSE (STRAIGHT) (12.8552)												1	
4B	5199583	FITTING, #6 HOSE (STRAIGHT) (12.8553)													
4B	425250	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1								1				
4B	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)											1	1	
	5128522	EXTENSION, 3/8" INV. FL. TUBE, 2" L. (2.5210)											1		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1	1	1					

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2.5000A FUEL LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1526	1527	1528	1530	1531	1532	1533	1536	1540	1547	1549	1550	1554
		2.5215 - TUBE, FUEL DRAIN FLEXIBLE (CONT'D)													
	5116440	ELBOW, 5/16" INV. FL. TUBE .070 RESTRICTED (2.5210)											1	1	
		+ BULK HOSE, CUT TO LENGTH SHOWN.													
		2.5220 - CLIP, FUEL DRAIN TUBE													
4A	**2488022**	CLIP, 3/8" NEOPRENE (12.8554)						2	1	2			1	1	
4A	**5108249**	CLIP, 2 3/8" (5.2190)						1	1						
4A	**5112241**	CLAMP (2.5070)										6			
	110502	SCREW, 10-24 X 3/8" (12.9025)										3			
4A	**179816**	BOLT, 5/16"-18 X 3/4" (12.9001)						1	1						
4A	**179839**	BOLT, 3/8"-16 X 1" (12.9001)												1	
	103341	WASHER, 3/8" (12.9190)												1	
	103320	LOCKWASHER, 5/16" (12.9200)						1	1						
	120217	LOCKWASHER, #10 (12.9200)										3			
	103321	LOCKWASHER, 3/8" (12.9200)												1	
	110633	NUT, 10-20 (12.9120)										3			
		2.5255 - SHIELDING, FLEXIBLE HOSE													
	5101020	STRAP, HOSE		AR				AR	AR	AR					

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15558	15559	15561	15565	15566	15569	15570	15580	15582	15585	15599	16000
		2.5050 - TUBE, STRAINER TO FUEL PUMP												
4B	**5199575**	+ HOSE, BULK #6 (CUT L. 30")			1									
4B	**5199575**	+ HOSE, BULK #6 (CUT L. 35") (12.8550)				1								
4B	**5199575**	+ HOSE, BULK #6 (CUT L. 19") (12.8550)					1							
4B	***5199575***	*+ HOSE, BULK #6 (CUT L. 6") (12.8550)*						1						
4B	**5199575**	+ HOSE, BULK #6 (CUT L. 12") (12.8550)							1	1				
4B	**5199575**	+ HOSE, BULK #6 (CUT L. 8.5") (12.8550)									1			
	5141351	TUBE ASSY.											1	
	5142945	TUBE ASSY.												1
4B	**5199579**	FITTING, #6 HOSE (STRAIGHT) (12.8552)			2	1	1	1	1	2	2			
4B	**5199593**	FITTING, #6 HOSE (45 DEG.) (12.8552)				1	1							
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)						1	1					
4A	**193004**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1		1	1	1	1			1	1
4A	**143338**	ELBOW, 3/8" INV. FL. TUBE 45 DEG. *(12.9480)*				1								
4A	**9432249**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)					1				1		1	
	190367	* ELBOW, 1/4" 90 DEG (12.9450)									1			
4B	**9432267**	CONNECTOR, 3/8" TUBE (12.9460)			1			1	1	1				1
4B	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1								
	442330	CONNECTOR, 5/16" TUBE 1/4"									1			
	5198558	BUSHING, 3/8"X1/4" RED. (2.2030)				1					1			
	5118896	SPACER, 3 3/16"X1 1/4"X3/8" (2.3530)				3								
		+ BULK HOSE CUT TO LENGTH SHOWN.												
		* *USED WITH 5130689 HOSE.*												
		2.5070 - CLIP, STRAINER TO FUEL PUMP												
4A	**2488022**	CLIP, 3/8" (12.8554)				4			1	5				
	179838	BOLT, 3/8"-16X7/8" (12.9001)							1					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1					
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	102635	NUT, 3/8"-16 (12.9120)							2					
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	**5199575**	+ HOSE, BULK #6 (CUT L. 11") (12.8550)		1			1			1	1	1		
4A	**5199575**	+ HOSE, BULK #6 (CUT L. 34") (12.8550)			1	1								
4A	**5199575**	+ HOSE, BULK #6 (CUT L. 15") (12.8550)						1						
4A	**5199575**	+ HOSE, BULK #6 (CUT L. 24") (12.8550)							1					
	8922988	TUBE, 13.75" L. (2.5151)											1	
	8922987	TUBE, 19.15" L. (2.5151)												1
4A	**5199579**	FITTING, #6 HOSE (STRAIGHT) (12.8552)		1	1	1	1		2	1	1	1		
4A	**5199588**	FITTING, #6 HOSE (90 DEG.) (12.8552)		1	1	1	1			1	1	1		
4A	***5199580***	*FITTING, #8 HOSE (STRAIGHT) (12.8550)*						2						
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		3	1	1	2	1	1	1	2	3	1	1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)									1			
4A	**442323**	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1			1	1			1	1
		+ BULK HOSE, CUT TO LENGTH SHOWN.												

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2.5000A FUEL LINES

2.5160 - TUBE, FILTER TO CYLINDER HEAD FLEXIBLE (CONT'D)

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 15588	15589	15661	15665	15666	15669	15670	15680	15682	15685
4B	5199575	% HOSE, BULK #6 (CUT L. 14") (12.8550)					1					
	5199575	% HOSE, BULK #6 (CUT L. 24") (12.8550)							1			
	5199575	% HOSE, BULK #6 (CUT L. 16") (12.8550)								1		
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)				1		1				
	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)								1		
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)						1	2	1	2	2
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1			
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	2	2	2	2	1	2		1

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15558	15559	15561	15565	15566	15569	15570	15580	15582	15585	15599	16000
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE												
4A	2488022	CLIP, 3/8" (12.8554)			3			1	1					2
	5131190	CLIP, 3/8" TUBE											2	
	5138090	CLIP, 3/8" TUBE												2
	5101377	BOLT, 3/8"-16X1" (5.2020)											2	2
	436574	SCREW, #10-24X1" SL. HD. (12.9025)												1
	120391	WASHER, 7/32"X1/2" (12.9190)												1
	103341	WASHER, 3/8" (12.9190)											2	2
	120217	LOCKWASHER, #10 (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)											2	2
	110633	NUT, #10-24 (12.9120)												1
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
4A	5141266	TUBE (2.5100)											1	
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)											2	
4A	5116440	ELBOW, 5/16" INV. FL. TUBE (.070" REST.) (2.5210)											1	
		2.5160 - HOSE, FILTER TO CYLINDER HEAD												
4B	5199575	% HOSE, BULK #6 (CUT L. 8 1/2") (12.8550)		1							1	1		
4B	5199575	% HOSE, BULK #6 (CUT L. 10") (12.8550)			1									
4B	5199575	% HOSE, BULK #6 (CUT L. 6") (12.8550)				1		1						
4B	5199575	% HOSE, BULK #6 (CUT L. 14") (12.8550)					1							
	5199575	% HOSE, BULK #6 (CUT L. 24") (12.8550)							1					
	5199575	% HOSE, BULK #6 (CUT L. 16") (12.8550)								1				
	5199575	% HOSE, BULK #6 (CUT L. 22") (12.8550)												1
4B	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)				1		1						
	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)								1				
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)						1	2	1	2	2		2
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1					
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1	2	2	2	2	1	2		1		2
4A	5127911	ELBOW, 1/4" INV. FL. TUBE (.070" REST.) (2.5210)		1	1				1					
	5116440	ELBOW, 5/16" INV. FL. TUBE (.070" REST.)				1	1			1	1	1		1
	5121182	PLUG, 1/4" PIPE (2.4015)		1			1	4				2		
	5136132	ADAPTOR, 1/4"X1/4"X.070" REST. (2.5210)				1								
		% BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER												
	5131375	HOSE ASSY., #6X28" L. (2.5210)	1											
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)	1											
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1											
	444000	ADAPTOR, 1/4"X18" PIPE (12.9640)	1											
	178917	TEE, 3/8" INV. FL. TUBE (12.9490)	1											
	144598	NIPPLE, 1/4"X2 1/2" (12.9560)	1											

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1558	1559	1561	1565	1566	1569	1570	1580	1582	1585	1599	1600
		2.5164 - CLIP, FUEL SUPPLY CROSSOVER TUBE												
	5171509	CLIP, 5/8" TUBE (9.1591)	1											
	179847	BOLT, 3/8"-16X2" (12.9001)	1											
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
4B	5142005	*HOSE ASSY., #6X26 1/2" (2.5100)*	1											
4B	5128283	TUBE (DEV. L. 25.82")	1											
4B	5138293	ELBOW ASSY., 3/8" SEALASTIC 45 DEG. (12.9425)	1											
4B	5138298	ELBOW ASSY., 3/8"-90 DEG. (12.9425)	1											
4B	9432249	ELBOW, 3/8" INV. FL. TUBE (12.9480)	1											
	5121182	PLUG, 1/4" PIPE (2.4015)	5											
	103647	DRAINCOCK, 1/4" (12.9510)	2											
		2.5210 - TUBE, FUEL DRAIN												
	5143774	TUBE ASSY. (DEV. L. 15.12") (7.8310)	1											
	5112892	ELBOW, 5/16" (.1065" RESTRICTED)	1											
		2.5215 - HOSE, FUEL DRAIN												
4B	5136732	HOSE ASSY., #5X20" L.			1						1			
4B	425250	CONNECTOR, 5/16" INV. FL TUBE (12.9460)			1						1			
		2.5220 - CLIP, FUEL DRAIN												
	140580	CLIP, 3/8" (12.9630)	1		1									
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	1											
		2.5255 - SHIELDING, FLEXIBLE HOSE												
	5101020	STRAP, HOSE			1		2		2					

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1601	1602	1603	1629	1630	1634	1637	1641	1642	1643	1690	1691
		2.5006 - VALVE, FUEL SUPPLY CHECK												
	5135308	VALVE, 3/8" (SWING TYPE)											1	
		2.5010 - HOSE, FUEL SUPPLY TO STRAINER												
	8926599	*HOSE ASSY., #6X11.82"L.*												1
	8924217	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)												1
	442330	CONNECTOR, 3/8" TUBE (12.9460)												1
		2.5050 - *TUBE, STRAINER TO FUEL PUMP*												
4A	5141351	TUBE ASSY. (DEV. L. 9.90")	1											
	8925436	TUBE ASSY. (DEV. L. 12.83")								1				
4A	5199575	+ HOSE, BULK #6 (CUT L. 6") (12.8550)		1	1									
4A	8924042	HOSE ASSY., #8X27.94" L.				1								
4A	8924043	*HOSE ASSY., #8X14.94" L.*					1							
4A	5199576	+ HOSE, BULK #8 (CUT L. 12") (12.8550)						1						
4A	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		1	1									
4A	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)		1	1									
4A	5199580	FITTING, #8 HOSE (STRAIGHT) (12.8552)						1						
4A	5199594	FITTING, #8 HOSE (45 DEG.) (12.8552)						1						
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1									
4A	8924217	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1							1				
4A	8924169	*CONNECTOR, 1/2" TUBE (12.9460)*				2	2	2						
4B	8924154	ELBOW, 3/8" TUBE 90 DEG. (12.9480)								1				
4A	8925048	CONNECTOR, 3/8" TUBE (12.9460)		1	1									
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5070 - CLIP, STRAINER TO FUEL PUMP												
	5145429	CLIP, #8 HOSE (7.8320)				1								
		2.5100 - TUBE, FUEL PUMP TO FILTER												
4A	8922988	TUBE, 13.75" L. (2.5151)	1											
	5121080	TUBE, 12.88" L.						1						
4A	5199575	+ HOSE, BULK #6 (CUT L. 15.0") (12.8550)		1	1									
4A	5199575	+ HOSE, BULK #6 (CUT L. 49.0") (12.8550)						1						
	8926600	HOSE ASSY., #6X13.32" L.												1
	8924171	CONNECTOR, 3/8" TUBE (12.9460)								1				
4A	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		2	2			1						
4A	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)						1						
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1									
4A	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)		1	1									
	8925030	ELBOW, 3/8" TUBE 90 DEG. (12.9480)						2		1				2
4A	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1											
		+ BULK HOSE, CUT TO LENGTH SHOWN.												

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1601	1602	1603	1629	1630	1634	1637	1641	1642	1643	1690	1691
		2.5110 - HOSE, FUEL PUMP OUTLET TO FILTER												
	8924035	HOSE ASSY., #6X20.55" L.				1	1							
	5199575	HOSE, BULK #6 (CUT L. 49.0") (12.8550)										1		
	8925030	ELBOW, 3/8" TUBE 90 DEG. (12.9480)				2	2					2		
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)										1		
	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)										1		

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16011	16021	16031	16291	16301	16341	16371	16411	16421	16431	16901	16911
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE												
4A	2488022	CLIP, 3/8" (12.8554)	2	1	1			3				3		
	5182647	BRACKET (5.2190)						1				2		
	179835	BOLT, 3/8"-16X5/8" (12.9001)										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1				2		
	5101377	BOLT, 3/8"-16X1" (5.2020)	2											
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)										1		
	5196119	SPACER, 3/8" THICK (3.4001)										1		
	120393	WASHER, 5/16" (12.9190)						1				2		
	103341	WASHER, 3/8" (12.9190)	2									1		
	103320	LOCKWASHER, 5/16" (12.9200)						1				2		
	103321	LOCKWASHER, 3/8" (12.9200)	2									2		
	120376	NUT, 5/16"-18 (12.9120)						1				2		
		2.5149 - TUBE, FILTER TO CYLINDER HEAD												
	8925435	TUBE ASSY., DEV. L. 9.27" (2.5149)								1				
4A	5199575	+ HOSE, BULK #6 (CUT L. 22") (12.8550)	1											
4A	5199575	+ HOSE, BULK #6 (CUT L. 19") (12.8550)						1						
4A	5199575	+ HOSE, BULK #6 (CUT L. 6") (12.8550)		1	1									
4A	8924036	HOSE ASSY., #6X24.55" L.				1	1							
4A	8924037	HOSE ASSY., #6X28.64" L. (2.5163)				1								
	8924038	HOSE ASSY., #6X32.64" L. (2.5163)					1							
	8926601	HOSE ASSY., #6X9.50" L.												1
	8923847	PLUG, 1/4" PIPE (4.7001)				1								
	8925030	ELBOW, 90 DEG. 3/8" TUBE (12.9480)				2	2			2				2
4A	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	2	1	1			1						
4A	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)						1						
4A	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)		1	1									
	8924171	CONNECTOR, 3/8" TUBE (12.9460)						1						
	8924168	ELBOW, 90 DEG. 1/4" PIPE (12.9590)				1	1							
4A	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2									
4A	8924185	ELBOW, 5/16" INV. FL. TUBE (2.5210)	1	1	1									
	8924185	ELBOW, 5/16" INV. FL. TUBE (2.5210)								1				
	178917	TEE, 3/8" INV. FL. TUBE (12.9616)				1	1							
	8924199	TEE, 3/8" INV. FL. TUBE (7.4694)						1						
	8925026	NIPPLE, 1/4"X2 1/2" (12.9560)				1	1							
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5156 - CLIP, FILTER OUTLET TUBE												
	2362448	CLIP, .688" DIA. (12.8554)				1	1							
		2.5160 - HOSE, FILTER TO CYLINDER HEAD												
	5199575	+ HOSE, BULK #6 (CUT L. 17.0") (12.8550)										1		
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)										1		
	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)										1		
	8924161	ELBOW, 45 DEG. 3/8" TUBE (12.9480)										1		
	8924199	TEE, 1/4"X1/4"X5/8" (7.4694)										1		
		+ BULK HOSE, CUT TO LENGTH SHOWN.												

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16001	16002	16003	16029	16030	16034	16037	16041	16042	16043	16090	16091
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER												
	5107854	HOSE ASSY., #6X18.3" L.				1	1				1			
	5199575	+ HOSE, BULK #6 (CUT L. 26") (12.8550)						1						
	5199575	+ HOSE, BULK #6 (CUT L. 7 1/2") (12.8550)						1				1		
	5135034	TUBE, DEV. L. 23.40" (2.5151)							1		1			
	5131375	HOSE ASSY., #6X28" L. (2.5210)											1	
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)						2				1		
	8923847	PLUG, 1/4" PIPE (4.7001)							1		1		1	
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)						2				1		
	5199583	FITTING, #6 HOSE (STRAIGHT) (12.8552)									2			
	8925026	NIPPLE, 1/4"X2 1/2" PIPE (12.9560)											1	
	8924171	CONNECTOR, INV. FLD. 3/8" TUBE (12.9460)				1	1	1				1		
	8924172	ADAPTOR, PIPE 1/4"-18 (12.9460)				1	1	1			1	1	1	
	8924168	ELBOW, 90 DEG. - 1/4" PIPE (12.9590)											1	
	8924183	ELBOW, 90 DEG. 5/16" TUBE (2.4001)											1	
	8924215	ELBOW, 90 DEG. 5/16" TUBE (12.9480)							1					
	8925030	ELBOW, 90 DEG. 3/8" TUBE (12.9480)				1	1	1			1	1		
	8925086	* ELBOW ASSY., 90 DEG.-3/8" TUBE (12.9425)							2		2		1	
	5179938	SEAL RING (12.9435)							2		2		1	
	8924200	TEE, 1/4" (2.5149)				1	1							
	178917	TEE, 1/4" PIPE (12.9616)											1	
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		* INCLUDES SEAL IN 2.5163 PLUS NUT, NOT SOLD SEPARATELY.												
		2.5175 - TUBE, JUNCTION BLOCK TO CYLINDER HEAD												
	8925266	TUBE (DEV. L. 8.46")							1					
	8924183	ELBOW, 90 DEG. 5/16" TUBE (2.4001)							2					
	8924215	ELBOW, 90 DEG., INV. FL. 5/16" TUBE (12.9480)							1					
		2.5205 - TUBE, FUEL DRAIN CROSSOVER												
	5135034	TUBE (DEV. L. 20")											1	
		2.5206 - HOSE, FUEL DRAIN CROSSOVER												
	5199575	+ HOSE, BULK #6 (CUT L. 26") (12.8550)						1				1		
	5131375	HOSE, #6X28" L. (2.5210)							1		1			
	8924172	ADAPTOR, PIPE 1/4"-18 (12.9460)							1					
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)						1				1		
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)						1				1		
	8924217	ELBOW, 90 DEG. 3/8" TUBE (12.9480)							2		2			
	8924168	ELBOW, 90 DEG., 1/4" PIPE (12.9590)							1		1			
	8924161	ELBOW, 3/8" TUBE 45 DEG. (12.9480)						1	1		1	1		
	8925030	ELBOW, 3/8" TUBE 90 DEG. (12.9480)						1	4		3	1		
	8925026	NIPPLE, 1/4"X2 1/2" PIPE (12.9560)							1		1			
	178917	TEE, 3/8" TUBE 1/4" PIPE (12.9616)							1		1			
	8924140	DRAINCOCK, 1/4" (12.9510)							1		2			
		+ BULK HOSE, CUT TO LENGTH SHOWN.												

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2.5000A FUEL LINES AND FUEL COOLER

2.5207 - CLIP, FUEL DRAIN CROSSOVER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16011	16021	16031	16291	16301	16341	16371	16411	16421	16431	16901	16911
	2488022	CLIP, 3/8" (12.8554)						3			4	3		
	5171509	CLIP, 5/8" (9.1591)							2		2		1	
	140580	CLIP, 3/8" (12.9630)									1		1	
	5130913	BRACKET (7.4597)										1		
	179835	BOLT, 3/8"-16X5/8" (12.9001)									1		1	
	179839	BOLT, 3/8"-16X1" (12.9001)										1		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)											1	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)						1			1	1		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)							1		1		1	
	103321	LOCKWASHER, 3/8" (12.9200)						1			2	3	1	
	5157412	SPACER, 7/8" O.D.X13/32"I.D.X1/4" THK. (7.4013)						1			1	1		
	102635	NUT, 3/8"-16 (12.9120)										1		

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16001	16002	16003	16029	16030	16034	16037	16041	16042	16043	16090	16091
		2.5210 - TUBE, FUEL DRAIN												
	5128552	EXTENSION, TUBE						1				1		
	5143774	TUBE, 15.21" DEV. L. (7.8310)									1			
	8924171	CONNECTOR, INV. FLD. 3/8" TUBE (12.9460)						1						
	8924183	ELBOW, 5/16" TUBE (2.4001)									1			
		2.5212 - COOLER ASSY., FUEL												
	5136348	COOLER				1	1							
	5110373	HOSE, 2"X3" L. (5.3330)				2	2							
	8920537	CLAMP, HOSE 2" (12.9660)				4	4							
	5108249	CLIP, 2 3/8" (5.2190)				1	1							
	179816	BOLT, 5/16"-18X3/4" (12.9001)				1	1							
	103320	LOCKWASHER, 5/16" (12.9200)				1	1							
		2.5214 - TUBE, FUEL COOLER												
	8924040	HOSE ASSY., #6X32.64" L.				1								
	8924041	HOSE ASSY., #6X19.64" L.					1							
	8924185	ELBOW, 5/16" INV. FLD. TUBE (2.5210)				1	1							
	8925030	ELBOW, 3/8" TUBE 90 DEG. (12.9480)				2	1							
		2.5215 - HOSE, FUEL DRAIN												
	8923856	HOSE ASSY., #6X23.6" L. (2.5214)				1								
	8924039	HOSE ASSY., #6X27.64" L.					1							
	5199575	+ HOSE, BULK #6 (CUT L. 15") (12.8550)						1				1		
	8926598	HOSE ASSY., #5X20.00" L.												1
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)						1				1		
	5199592	FITTING, #6 HOSE (90 DEG.) (12.8552)						1				1		
	5101020	STRAP, HOSE (2.5255)				4	4	5				5		
	425250	CONNECTOR, INV. FLD. 5/16" TUBE (12.9460)												1
	8924171	CONNECTOR, INV. FLD. 3/8" TUBE (12.9460)				1	1					1		
	8925030	ELBOW, 90 DEG. 3/8" TUBE (12.9480)					1							
	8924185	ELBOW, 5/16" INV. FLD. (2.5210)						1				1		1
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		2.5216 - CLIP, FUEL COOLER INLET LINES												
	2362448	CLIP, .688" DIA. (12.8554)				1	1							
		2.5250 - BLOCK, FUEL SYSTEM JUNCTION												
	8925267	BLOCK							1					
	8923847	PLUG, 1/4" PIPE (4.7001)							1					
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)							2					
	103321	LOCKWASHER, 3/8" (12.9200)							2					
		2.5490 - PRIMER PUMP, FUEL												
	5110760	PUMP, STARTING AID											1	

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16924	16948	16948	17003
		2.5050 - TUBE, STRAINER TO FUEL PUMP				
	5199575	HOSE, BULK #6X25 FT. (CUT 37") (12.8550)		1		
	5121075	TUBE ASSY. (DEV. L. 7.07")			1	
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		1		
	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)		1		
	8925030	ELBOW, 90 DEG. - 3/8" TUBE; 1/4" PIPE (12.9480)		1		
	8924217	ELBOW, 90 DEG.-3/8" TUBE; 3/8" PIPE (12.9480)		1	1	
	8924171	CONNECTOR, 3/8" INV. FL. TUBE - 1/4" PIPE (12.9460)			1	
		2.5070 - CLIP, STRAINER TO FUEL PUMP				
	2488022	CLIP, 3/8" NEOPRENE (12.8554)		2		
		2.5100 - TUBE, FUEL PUMP TO FILTER				
	5199575	HOSE, BULK #6X25 FT. (CUT L. 45") (12.8550)		1		
	5121080	TUBE ASSY. (DEV. L. 15.88")			1	
	5199575	HOSE, BULK #6X25 FT. (CUT L. 11") (12.8550)				1
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		2		1
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)				1
	8925030	ELBOW, 90 DEG.-3/8" TUBE; 1/4" PIPE (12.9480)		2	1	2
	8924171	CONNECTOR, 3/8" INV. FL. TUBE; 1/4" PIPE (12.9460)			1	
		2.5120 - CLIP, FUEL PUMP TO FILTER HOSE				
	2488022	CLIP, 3/8" NEOPRENE (12.8554)		3		
	5173022	BRACKET (5.5379)		1		
	186647	BOLT, 1/4"-20X1" (12.9001)		1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		1		
	120392	WASHER, 1/4" (12.9190)		1		
	103319	LOCKWASHER, 1/4" (12.9200)		1		
	103321	LOCKWASHER, 3/8" (12.9200)		1		
	102635	NUT, 3/8"-16 (12.9120)		1		

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1169292	1169494	1169898	1170303
		2.5149 - TUBE, FILTER TO CYLINDER HEAD				
	5199575	HOSE, BULK #6X25 FT. (CUT L. 12") (12.8550)		1		
	5199575	HOSE, BULK #6X25 FT. (CUT L. 23") (12.8550)		1		
	5199575	HOSE, BULK #6X25 FT. (CUT L. 8.5") (12.8550)				1
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		2		2
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)		2		
	8924185	ELBOW, 5/16" TUBE; 1/4" PIPE (2.5210)				1
	8925030	ELBOW, 90 DEG. - 3/8" TUBE; 1/4" PIPE (12.9480)		2		2
	8925028	TEE, 3/8" TUBE; 1/4" PIPE (12.9490)		1		
		2.5163 - TUBE, FUEL SUPPLY CROSSOVER				
	5199575	HOSE, BULK #6X25 FT. (CUT L. 30") (12.8550)	1			
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	2			
	8925030	ELBOW, 90 DEG.-3/8" TUBE; 1/4" PIPE (12.9480)	1			
	8924168	ELBOW, 90 DEG.-1/4" PIPE (12.9590)	1			
	8924217	ELBOW, 90 DEG.-3/8" TUBE; 3/8" PIPE (12.9480)	1			
	8924172	ADAPTOR, 1/4"-18 PIPE (12.9460)	1			
	8925026	NIPPLE, 1/4"X2 1/2" PIPE (12.9560)	1			
	178917	TEE, 3/8" TUBEX1/4" PIPE (12.9616)	1			
		2.5164 - CLIP, FUEL SUPPLY CROSSOVER TUBE				
	8923507	CLIP, #6 HOSE (3.5502)	2			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	1			
		2.5205 - TUBE, FUEL DRAIN CROSSOVER				
	5135034	TUBE (DEV. L. 20.00")	1			
	5199575	HOSE, BULK #6X25 FT. (CUT L. 31") (12.8550)		1		
	8925086	ELBOW ASSY., 90 DEG. - 3/8" TUBE (12.9425)	2			
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		2		
	8923847	PLUG, 1/4" PIPE (4.7001)	1			
	8924183	ELBOW, 5/16" TUBE - 1/4" PIPE (2.4001)		1		
	8925030	ELBOW, 90 DEG.-3/8" TUBE; 1/4" PIPE (12.9480)		1		
	8925044	ADAPTOR, FUEL RETURN EXTENSION		1		
	8924199	TEE, 1/4"X1/4"X5/8" (7.4694)		1		

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2.5000A FUEL LINES AND FUEL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16921	16941	16981	17031
		2.5207 - CLIP, FUEL DRAIN CROSSOVER				
	2488022	CLIP, 3/8" NEOPRENE (12.8554)		1		
	5171509	CLIP, 5/8" TUBE (9.1591)	1			
	5101020	STRAP, NYLON		6		
	179837	BOLT, 3/8"-16X3/4" (12.9001)		1		
	191249	BOLT, 3/8"-16X3 1/2" (12.9001)	1			
	103321	LOCKWASHER, 3/8" (12.9200)		1		
		2.5210 - TUBE, FUEL DRAIN				
	5143774	TUBE ASSY. (DEV. L. 15.12")	1			
	8924183	ELBOW, 5/16" TUBE - 1/4" PIPE (2.4001)	1			
		2.5220 - CLIP, FUEL DRAIN				
	5134840	CLIP, 5/16" TUBE	1			
	5104597	BOLT, 3/8"-16X.625" W/PATCH (12.9001)	1			
	103321	LOCKWASHER, 3/8" (12.9200)	1			

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2.6000A FUEL TANK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14	18	19	22	23
		2.6001 - TANK ASSY., FUEL					
	5172911	* TANK ASSY., 2,4-53	1				
	5136631	TANK ASSY., 2,4-53					1
	113175	PLUG, 1/8" PIPE (12.9550)	1				1
	5121182	PLUG, 1/4" PIPE (2.4015)	2				2
	3815153	NAME PLATE, FUEL CAP (DIESEL FUEL) (2.6030)	AR	AR	AR	AR	AR
		* NOT SERVICED. REPLACE BY 5136631 TANK AND (1) 116524 BUSHING.					
		2.6005 - HOSE, FUEL TANK FLEXIBLE					
	5171337	HOSE (.38"I.D.X300"L.) (2.5010)		2	2	2	
	5143364	= HOSE ASSY. (#8X11"L.) (2.5001)				1	
	5131253	HOSE ASSY. (5/16"X14"L. FLEX.) (2.5149)		1	1		
	5140974	= HOSE ASSY. (#6X17 1/8"L.)		1			
	5134209	= HOSE ASSY. (5/16"I.D.X22"L.) (2.5100)			1		
	5141170	= HOSE ASSY. (#6X22 7/8"L.)		1			
	5139289	= HOSE ASSY. (#6X30"L.) (2.5001)		1			
	5143365	= HOSE ASSY. (#5X60 1/2"L.) (2.5210)				1	
	140571	CLIP (1/2" TUBE, 5/16" BOLT) (12.9630)				2	
	5153473	CLIP (1/2" TUBE, 3/8" BOLT)		1			
	5151108	CLIP (1/2" TUBE, 1/2" BOLT)		1			
	5130679	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)		1			
	9432267	CONNECTOR, 3/8" TUBE - 3/8" PIPE		1	1		
	9432245	ELBOW, 5/16" INV. FL. TUBE (12.9480)		1	1	1	
	5169856	ELBOW, 5/16" INV. FL. TUBE (12.9480)				1	
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1			
	9423349	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1			
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1	
	188947	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)				1	
	5121182	PLUG, 1/4" PIPE (2.4015)		2	2	2	
	5145014	PLUG, 3/8" PIPE (12.9550)		2	2	2	
	116332	BUSHING, 3/8"X1/4" (12.9570)			1		
	179879	BOLT, 1/2"-13X3/4" (12.9001)		1			
	103323	LOCKWASHER, 1/2" (12.9200)		1			
		= OBSOLETE; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.					

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2.6000A FUEL TANK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14	18	19	22	23
		2.6007 - STRAINER, FUEL TANK HOSE					
	5171379	STRAINER		1	1	1	
		2.6030 - CAP, FUEL TANK					
	5137727	+ CAP		1	1	1	
		+ OBSOLETE.					
		2.6035 - GASKET, FUEL TANK CAP					
	5171380	GASKET		1	1	1	
		2.6065 - STRAP, FUEL TANK					
	5172912	BRACKET	1				1
	5139496	BRACKET		1			
	181596	BOLT, 5/16"-24X7/8" (12.9001)	4				4
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2			
	103320	LOCKWASHER, 5/16" (12.9001)	4				4
	103321	LOCKWASHER, 3/8" (12.9001)		2			
	114493	LOCKNUT, 5/16"-24 (2.7170)	4				4
		2.6090 - VALVE, FUEL TANK CHECK					
	5138471	+ VALVE ASSY. (2.6001)		1	1	1	
	5138989	VALVE ASSY.		1	1	1	
	5136240	PLUG (PLASTIC) (.420" DIA.)		3			
	5136241	PLUG (PLASTIC) (.580" DIA.)		3			
	116332	BUSHING, 3/8"X1/4" (12.9570)		1		1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2		2	
	103321	LOCKWASHER, 3/8" (12.9200)		2		2	
		+ OBSOLETE.					
		2.6095 - TUBE, FUEL TANK SUCTION					
	5138533	* TUBE (1/2"I.D.X27.50"L.)		1	1	1	
	190367	ELBOW, 1/4" STREET 90 DEG. (12.9590)	1				
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	4	1	2	1	
	9423349	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	1	1	1	
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1				
	187407	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	2				

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2.6000A FUEL TANK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14	18	19	22	23
		2.6095 - TUBE, FUEL TANK SUCTION (CONT'D)					
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		2	2	2	
	442346	TEE, 3/8" INV. FL. TUBE (12.9490)	1				
	178661	TEE, 3/8" INV. FL. TUBE, 3 WAY, (12.9496)	1				
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)	2				
	189060	BUSHING, 3/4"X1/4" RED. PIPE (12.9570)	2				
	137399	NUT, 3/8" INV. FL. TUBE (12.9500)	1				
		* OBSOLETE					

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7001 - GOVERNOR ASSY.												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT 2.7520, 2.7530 AND 2.7740. CLOSED LINKAGE GOVE RNORS DO NOT INCLUDE ITEMS IN 2.7170.												
	5116375	@ GOVERNOR ASSY., 2, 3, 4-53 (5129738)	1											
	5116376	@ GOVERNOR ASSY., 2, 3, 4-53 (5129737)		1										
#	**5121299**	* GOVERNOR ASSY., 2-53 (GC6905)			1									
	5122791	@ GOVERNOR ASSY., 2, 3, 4-53 LIMITING (5107131)				1								
	5122790	@ GOVERNOR ASSY., 2, 3, 4-53 LIMITING (5107132)					1							
	5122793	@ GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5107139)						1						
	5122794	@ GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5107142)							1					
	5122795	@ GOVERNOR ASSY., 3, 4-53 VARIABLE (5107139)								1				
	5122796	@ GOVERNOR ASSY., 3, 4-53 VARIABLE (5107142)									1			
	5125461	+ GOVERNOR ASSY., 2, 3, 4-53 CONSTANT DUAL SPEED										1		
	5125460	+ GOVERNOR ASSY., 2, 3, 4-53 CONSTANT DUAL SPEED											1	
	5125438	@ GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5129738)												1
	5123752	PLATE, STOP			1									
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)				2	2	2	2	2	2	2	2	2
5A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2		2	2	2	2	2	2	2	2	2
5A	**9414285**	BOLT, 3/8"-24X7/8"(12 PT. HD.) (12.9001)	3	3		3	3	3	3	3	3	3	3	3
5A	**181361**	BOLT, 3/8"-24X7/8" (12.9001)			1									
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)			1									
	5145225	WASHER, 3/8" SEAL (2.4050)	AR	3	AR	3	3	3	3	3	3	AR	AR	AR
	9414322	WASHER, 3/8" (12.9190)	2	2		2	2	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)				2	2	2	2	2	2	2	2	2
	103322	LOCKWASHER, 7/16" (12.9200)			1									
		* ASSEMBLY NOT SERVICED BY D.D.A., PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.												
		@ NOT SERVICED, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
		# FIG. 10C OF 1.0000.												
		+ ASSEMBLY NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		2.7002 - NAME PLATE, GOVERNOR												
	5122166	NAMEPLATE	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW, #4X3/16" DRIVE (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE												
5B	**5116336**	GASKET, 2,3,4-53	1	1		1	1	1	1	1	1	1	1	1
	5121315	GASKET, 2-53			1									

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2.7000A MECHANICAL GOVERNOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4444	4448	4552	4666	4667	4668	4669	4670	4671	4887	4896
	2.7045	**- COVER ASSY., GOVERNOR-COMPLETE**											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
	5122724	@ COVER ASSY., 2,3,4-53 (A & B ENG.)				1							
	5122723	@ COVER ASSY., 2,3,4-53 (C & D ENG.)					1						
	5126432	# COVER ASSY., 2,3,4-53 (C & D ENG.)						1		1			
	5122721	& COVER ASSY., 2,3,4-53 (C & D ENG.)						1		1			
	5126433	# COVER ASSY., 2,3,4-53 (A & B ENG.)							1		1	1	1
	5122722	& COVER ASSY., 2,3,4-53 (A & B ENG.)							1		1	1	1
	5101768	RETAINER			1	1	1	1	1	1	1	1	1
5E,H	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (W/LW) (12.9010)				4	4	4	4	4	4	4	4
	453007	SCREW, 1/4"-20X1" (W/LW) (12.9025)				1	1	1	1	1	1	1	1
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE 5107124 COVER ASSY. AND 5126310 PIN.											
		# EFF. WITH 2D-6492, 3D-311, 4D-850.											
		& THRU 2D-6491, 3D-310, 4D-849, NOT SERVICED COMPONENTS ARE AVAILABLE, FOR REPLACEMENT USE ITEM MARKED #, A ND ONE SPRING IN 2.7910, 5146132 (C & D ENG) OR 5107139 (A & B ENG.)											
	2.7051	**- GASKET, GOVERNOR COVER**											
5E,H	**5122742**	GASKET, 2,3,4-53				1	1	1	1	1	1	1	1
	2.7095	**- SHAFT ASSY., GOVERNOR THROTTLE**											
		A LEVER AND SHAFT ASSY. INCLUDES PINS IN 2.7170 AND 2.7172.											
5B	**5196079**	* SHAFT, 2,3,4-53 (G 11023)	1	1									
	5125677	LEVER AND SHAFT ASSY., 2,3,4-53											1
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.											
	2.7170	**- LEVER, GOVERNOR COVER THROTTLE SHAFT**											
5B	**5196074**	* LEVER, 2,3,4-53 (A6278)	1	1									
5C	**5196105**	* LEVER, 2-53 (G14200)			1								
5E,H	**5107147**	LEVER, 2,3,4-53 (2.9361)				1	1	1	1	1	1	1	1
5B	**274844**	RING, RETAINER (SNAP) (8.3440)	1	1									
5B	**455346**	PIN, 5/32"X3/4" (12.9275)	2	2									
5K	**455734**	PIN, 1/8"X3/4" (12.9300)											1
5B	**2156458**	* BOLT, EYE	1	1									
5K	**5124976**	BOLT, EYE											1
5C	**5196113**	* BOLT, SHCULDER (G8609)			1								
5C	**5196156**	* BOLT, #12-24X1 1/4 (X1032-4)			1								
5C	**5196115**	* BOLT, #12-24X1 1/2 (X890-4)			1								
5E,H	**186647**	BOLT, 1/4"-20X1" (12.9001)				1	1	1	1	1	1	1	1
5B	**5196085**	* WASHER (X2026-4)	1	1									
5E	**120380**	LOCKWASHER, 1/4" (12.9200)				1	1	1	1	1	1	1	1
5B	**114493**	LOCKNUT, 5/16"-24 (EYE BOLT) (2.7170)	2	2									2
5C	**103089**	NUT, #12-24 (12.9120)			2								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT (CONT'D)												
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7172 - BRACKET, GOVERNOR THROTTLE SPEED ADJUSTING SHAFT												
5B	**5196080**	* BRACKET (G11443)	1	1										
	455734	PIN, 1/8"X3/4" SPRING (12.9300)												1
5B	**5196115**	* BOLT, ADJUSTING (X890-4)	2	2										
5K	**5125063**	BOLT, ADJUSTING												2
5B,K	**103089**	NUT, #12-24 (12.9190)	2	2										2
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7174 - SPRING, GOVERNOR THROTTLE SPEED ADJUSTING												
5B	**5196084**	* SPRING, 2,3,4-53 (SN1555)	1	1										
5C	**5196098**	* SPRING, 2-53 (SN1554)			1									
5K	**5125426**	SPRING, 2,3,4-53 (RED PAINT)												1
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5B	**5196069**	@ HOUSING,2,3,4-53 (A, B, C, D ENGINE)	1	1										
5C	**5196102**	* HOUSING,2-53 (C ENGINE) (CLOSED END)			1									
5C	**5196621**	= HOUSING, 2-53 (C ENGINE) (G9042-155) (END DRILLED THRU)			1									
5D	**5122757**	& HOUSING, 2,3,4-53 (A & B ENG.)				1			1		1	1	1	
5D	**5144089**	HOUSING, 2,3,4-53 (A & B ENG.)				1			1		1	1	1	
5D	**5122756**	# HOUSING, 2,3,4-53 (C & D ENG.)					1	1		1				
5D	**5144090**	HOUSING, 2,3,4-53 (C & D ENG.)					1	1		1				
	5125675	HOUSING ASSY., 2,3,4-53 (A & B ENG.) (INCLUDES BUSHINGS)												1
	5116262	ADAPTOR (INJECTOR CONTROL LINK BOOT) 2,3,4-53 (2.7830)				1	1	1	1	1	1	1	1	
	5119127	BUSHING, 2,3,4-53 (2.7340)	3	3										
	5195592	% = BUSHING, 2-53 (DRILLED THRU) (X2721)			1									
	5196622	+ = BUSHING, 2-53 (CLOSED END) (X2746)			1									
5K	**5125052**	BUSHING, 2,3,4-53												2
5B,C	**5134969**	= PLUG, 7/8" ALUM. EXPANSION (12.9330)	1	1	1									
	105451	GASKET, 3/8" COPPER (12.9360)										1	1	
	113699	BOLT, 3/8"-24X1/2" (12.9001)										1	1	
		* NOT SERVICED, USE 5196621 HOUSING AND 5196622 BUSHING.												

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2.7000A MECHANICAL GOVERNOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL (CONT'D)												
		@ NOT SERVICED, CUSTOMER MUST PROVIDE SPEED REQUIREMENT AND SELECT FROM ONE OF THE FOLLOWING: RH VS 5129734 (1200-2200), RH VS 5129738 (1200-2800), RH LS 5107131, LH VS 5129733 (1200-2200) LH VS 5129737 (1200-2800) LH VS 5107132.												
		& NOT SERVICED, REPLACE WITH 5144089 AND (1) 8924749 PLUG.												
		# NOT SERVICED, REPLACE WITH 5144090 AND (1) 8924749 PLUG.												
		% FOR USE IN 5196102 HOUSING.												
		+ FOR USE IN 5196621 HOUSING.												
		= ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7232 - GASKET, GOVERNOR CONTROL HOUSING MOUNTING												
5C	**5195554**	* GASKET, 2-53 (8.3390) (11825)			1									
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		A SHAFT ASSY. INCLUDES ITEMS IN 2.7255 AND 2.7280.												
	5122753	SHAFT ASSY., 2,3,4-53 (A & B ENG.) (INCLUDES BEARING IN 2.7260)				1			1		1	1	1	
	5122752	SHAFT ASSY., 2,3,4-53 (C & D ENG.) (INCLUDES BEARING IN 2.7260)					1	1		1				
	5125191	SHAFT, 2,3,4-53 (A & B ENG.)												1
		2.7255 - SHAFT, GOVERNOR OPERATING												
5B	**5196081**	* SHAFT, 2,3,4-53 (G11685)	1	1										
5C	**5196107**	* SHAFT, 2-53 (14314)			1									
5D	**5122751**	SHAFT, 2,3,4-53				1	1	1	1	1	1	1	1	
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D	**5122754**	TUBE				1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
	2.7260	**- BEARING, GOVERNOR OPERATING SHAFT-UPPER**												
5D	**9431894**	BEARING, 2,3,4-53				1	1	1	1	1	1	1	1	
5D	**9431887**	BEARING, 2, 3, 4-53 (2.7270)	2	2	2									
5K	**9431895**	BEARING												1
5K	**5125154**	SHIELD												1
5B,C	**274844**	RING, RETAINER SNAP (8.3440)	2	2	2									
5B,C	**9421917**	SCREW AND LOCKWASHER ASSY., #10-24X7/16" (12.9025)				1	1	1	1	1	1	1	1	
5B,C	**5196086**	* WASHER, OIL SEAL PLUG (X2307)	2	2	2									
5D	**120391**	WASHER, #10 (12.9190)				1	1	1	1	1	1	1	1	
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
	2.7265	**- SEAL, GOVERNOR OPERATING SHAFT OIL**												
5B,C	**2363528**	* SEAL (X1566) (8.3445)	1	1	1									
5B,C	**5195574**	* RETAINER (G12211) (8.3445)	1	1	1									
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
	2.7270	**- BEARING, GOVERNOR OPERATING SHAFT-LOWER**												
5D,K	**9431887**	BEARING				1	1	1	1	1	1	1	1	1
5D,K	**9413284**	RING, SNAP (BEARING TO HOUSING)				1	1	1	1	1	1	1	1	1
5K	**274844**	RING, SNAP (BEARING TO SHAFT)												1
	2.7280	**- LEVER, GOVERNOR OPERATING SHAFT-UPPER**												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5B	**5196075**	+ LEVER, 2,3,4-53 (A6279)	1	1										
5C	**5196101**	+ LEVER, 2-53 (A6337)			1									
5D	**5122750**	LEVER ASSY., 2,3,4-53 (A & B ENGINE)				1			1		1	1	1	
5D	**5122749**	LEVER ASSY., 2,3,4-53 (C & D ENGINE)					1	1		1				
5D	**5150898**	SCREW (GAP ADJUSTING)				1	1	1	1	1	1	1	1	
5D	**114492**	LOCKNUT, 1/4"-28 (12.9120)				1	1	1	1	1	1	1	1	
		+ ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
	2.7290	**- FORK, GOVERNOR OPERATING SHAFT-LOWER**												
5B	**5196103**	* FORK, 2,3,4-53 (G9838)	1	1	1									
5D,K	**5122741**	FORK, 2,3,4-53				1	1	1	1	1	1	1	1	1
5B,C	**5195577**	* SCREW (WITH LOCKWASHER) (X1687) (8.3430)	2	2	2									
5D,K	**9425382**	SCREW, #10-32X5/8" (12.9001)				2	2	2	2	2	2	2	2	2
5D,K	**120217**	LOCKWASHER, #10 (12.9200)				2	2	2	2	2	2	2	2	2

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER (CONT'D)												
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5B,C	**455346**	PIN, 5/32"X3/4" (8.3450)	1	1	1									
5D	**5122746**	PIN, 2-3 & 4-53				1	1	1	1	1	1	1	1	
5K	**455297**	PIN, 5/32"X7/8" (12.9270)												1
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL												
		A LEVER ASSY. INCLUDES PIN IN 2.7315.												
5D	**5122743**	LEVER ASSY.				1	1	1	1	1	1	1	1	
5D	**142583**	RETAINER, 3/16" (SPRING) (12.9640)				1	1	1	1	1	1	1	1	
5D	**5150941**	WASHER, 21/64"				1	1	1	1	1	1	1	1	
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5D	**5122745**	PIN				1	1	1	1	1	1	1	1	
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	**5129730**	HOUSING ASSY. (C AND D ENGINE)					1	1		1				
5D,K	**5129731**	HOUSING ASSY. (A AND B ENGINE)				1			1		1	1	1	1
5K	**5119127**	BUSHING (WEIGHT SHAFT END)				1	1	1	1	1	1	1	1	1
5D,K	**9428477**	PLUG, CUP 15/16" DIA. (3.4030)				1	1	1	1	1	1	1	1	1
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
5B	**5195954**	+ SHAFT AND CARRIER, 2,3,4-53 (A4788)	1	1										
5C	**5196100**	+ SHAFT AND CARRIER, 2-53 (A6661)			1									
	5122782	* SHAFT AND CARRIER ASSY., 2,3,4-53 (5100061)				1	1							
	5122787	@ SHAFT AND CARRIER ASSY., 2,3,4-53						1	1			1	1	
	5122788	@ SHAFT AND CARRIER ASSY., 3,4-53								1	1			
	5125042	@ SHAFT AND CARRIER ASSY., 2,3,4-53												1
5C	**5196117**	+ RING, RETAINER (X1923)			1									
	110529	SCREW, #10-24X1/4" SL. (12.9030)				1	1	1	1	1	1	1	1	1
		* NOT SERVICED, COMPONENTS AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
		@ NOT SERVICED, LISTED FOR REFERENCE ONLY, USE COMPONENT PARTS.												
		+ ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7380 - RISER, GOVERNOR												
5B	**5196078**	* *RISER, 2,3,4-53 (G10521)*	1	1										
5C	**5196104**	* RISER, 2-53 (G10813)			1									
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7390 - WEIGHT, GOVERNOR												
5B,C	**5196073**	* WEIGHT (A2447)	2	2	2									
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7430 - PIN, GOVERNOR WEIGHT												
5D	**5196701**	* *PIN (G14007)*	2	2	2									
5D	**9411504**	CLIP, WEIGHT PIN RETAINER ("C" WASHER)	2	2	2									
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. *SHOWN IN PARENTHESES.*												
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST												
5B,C	**9411475**	* BEARING (3 PIECES) (X1336A)	1	1	1									
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5B	**907045**	BEARING, 2,3,4-53 (N.D. 3202L1A)	1	1										
5C	**5196116**	* BEARING, 2-53 (X1324)			1									
5B	**9411502**	RING, RETAINER SNAP 2,3,4-53	1	1										
5C	**5196118**	* *RING, RETAINER SNAP 2-53 (X3001)*			1									
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	**5196082**	* SPACER, 2,3,4-53 (BETWEEN GEAR AND BEARING) (G12611)	1	1										
5C	**5196097**	* SPACER, 2-53 (BETWEEN GEAR AND BEARING) (G11888)			1									
5C	**5196108**	* SPACER, 2-53 (G13044)			1									
5B	**5122738**	SPACER, 1/4"X.64" I.D. 2,3,4-53 (BETWEEN GEAR AND BEARING)				1	1	1	1	1	1	1	1	1
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7502 - DIAPHRAM, GOVERNOR WEIGHT SHAFT												
5B	**5196076**	* SUPPORT, 2,3,4-53 (G9810)	1	1										
5C	**5196106**	* SUPPORT, 2-53 (G11345)			1									
5B	**110529**	SCREW, #10-24X1/4" SL. (12.9030)	1	1										
5C	**5196114**	* BOLT, FIL. HD. (WITH L/W) (X1683)			4									
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING												
	5152716	= COVER (3.4223)								1	1			
	186625	= BOLT, 5/16"-18X7/8" (12.9001)								3	3			
	103320	= LOCKWASHER, 5/16" (12.9200)								3	3			
		= REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER												
	5150193	= GASKET (5.1010)								1	1			
		= REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5183704**	SPRING, 2,3,4-53 (2 YELLOW STRIPES)				1	1							
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5G	**5124415**	SPRING, 2,3,4-53 (ONE WHITE STRIPE)				1	1							
	5124417	+ SPRING, 2,3,4-53 (TWO RED STRIPES)											1	
	5153629	SPRING, 2,3,4-53 (TWO ALUMINUM STRIPES)										1		
	5129071	+ SPRING, 2,3,4-53 (THREE BLUE STRIPES)					1	1						
		+ OBSOLETE												
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G	**5182555**	PLUNGER				1	1							
		2.7563 - PLUNGER, GOVERNOR HIGH SPEED SPRING												
	5125418	PLUNGER										1	1	
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5G	**5150892**	SEAT				1	1							

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	**5103975**	CAP				1	1							
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
	5101432	PIN, 3.98" L.				1								
	5102270	SCREW, 1/4"-28X1" (12.9076)				1								
5G	**114492**	LOCKNUT, 1/2"-28 (12.9120)				1	1							
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
	5123922	SHIM, .010" THICK										AR	AR	
	5123923	SHIM, .100" THICK										AR	AR	
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G	**5182557**	RETAINER, 2,3,4-53				1	1							
	5113867	RETAINER, 2,3,4-53										1	1	
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING												
	5125603	PISTON										1	1	
	5125604	SPACER, PISTON										1	1	
	5133752	RING, PISTON SEAL										1	1	
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5G	**5186115**	LOCKNUT				1	1							
		2.7620 - GUIDE, GOVERNOR SPRING												
	5124551	GUIDE										1	1	
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
	5125449	COVER ASSY.										1	1	
	9414499	SCREW, 5/16"-24X1 1/2" SET (12.9076)										1	1	
	5125450	PLUG, 5/8"X18										1	1	
	5156768	GASKET, 21/32" (COPPER) (4.4170)										1	1	
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G	**5182559**	HOUSING				1	1							
	5125419	HOUSING										1	1	
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)										2	2	
5G	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001) * THRU 3D-170682 AND 4D-180938. + EFF. WITH 3D-170683 AND 4D-180939.				2	2							
5G	**103320**	LOCKWASHER, 5/16" (12.9200)				2	2					2	2	

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2.7000A MECHANICAL GOVERNOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G	**8922593**	GASKET				1	1					2	2	
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN PAGE E1.												
	5172556	# HOUSING ASSY., 2,3,4-53 (C & D ENGINE)						1		1				
	5127654	@ & HOUSING ASSY., 2, 3, 4-53 (C & D ENGINE) (5139262)						1		1				
	5172555	# HOUSING ASSY., 2,3,4-53 (A & B ENGINE)							1		1			
	5127655	@ & HOUSING ASSY., 2,3,4-53 (A & B ENGINE) (5139662)							1		1			
5F	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)						2	2	2	2			
5F	**103320**	LOCKWASHER, 5/16" (12.9200)						2	2	2	2			
		# NOT SERVICED, COMPONENTS AVAILABLE												
		; EARLY TYPE WITH 3/4" COUNTERBORE FOR SHAFT PACKING. FOR COMPLETE REPLACEMENT USE ITEMS MARKED @.												
		@ LATE TYPE, 5/8" BORE, NO COUNTERBORE FOR PACKING.												
		& NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INC ORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**8922593**	GASKET (2.7650)						1	1	1	1			
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	**5127397**	SPRING (TWO LIGHT BLUE STRIPES)						1	1	1	1			
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5162661**	PLUNGER						1	1	1	1			
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
5F	**5152939**	GUIDE						1	1	1	1			
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5137276**	RETAINER						1	1	1	1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
5F	5171784	STOP (WITH STEP)						1	1	1	1			
5F	5174430	STOP (WITH GAP)						1	1	1	1			
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5F	5136590	SHIM, .010"						AR	AR	AR	AR			
5F	5136591	SHIM, .078"						AR	AR	AR	AR			
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5C	2156249	* SCREW, 2-53			1									
5D	5177083	SCREW ASSY., 2,3,4-53 (WITH SPRING)				1	1	1	1	1	1			1
	5183773	# SCREW ASSY., 2,3,4-53 (WITH SPRING)		1					1	1	1			1
5B	5196083	* SPRING, 2,3,4-53 (SN1558)	1	1										
	5196099	* SPRING, 2-53 (SN1481)			1									
5B	100002	BOLT, 1/4"-28X1" (12.9001)	1	1										
	5155596	# WASHER (4.7120)		2					2	2	2			2
	5174286	# NUT (12.9140)		1					1	1	1			1
5B	120613	NUT, 1/4" (12.9120)	1	1										
5C	121902	NUT, 1/4" (12.9120)			1									
5D	124925	NUT, 3/8"-24 (12.9120)				1	1	1	1	1	1			
		# USE WITH UPPER CONTROL HOUSING LUBRICATION TUBE ONLY.												
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.												
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
5A	5116331	* ROD ASSY., 2,3,4-53 (SPRING LOADED) (GOVERNOR TO BELLCRANK)	1	1										
	5121239	ROD, 2-53 (GOVERNOR TO BELL CRANK)			1									
7A	5116209	LINK, 2,3,4-53 (A AND C ENGINE)	1	1										
7A	5119166	LINK, 2,3,4-53 (B AND D ENGINE)	1	1										
	5121240	LINK, 2-53			1									
	5122797	LINK, 2,3,4-53 (A AND C ENGINE)				1	1	1	1	1	1	1	1	
	5122798	LINK, 2,3,4-53 (B AND D ENGINE)				1	1	1	1	1	1	1	1	
	5125322	LINK, 2,3,4-53 (A ENGINE)												1
	5125689	LINK, 2,3,4-53 (B ENGINE)												1
5A	5118491	JOINT, 1/4" BALL (12.9680)	3	3	2									
	5125518	JOINT, 1/4" BALL (2.8940)												1
7A	5147345	PIN, LINK (TO INJECTOR CONTROL TUBE LEVER)	1	1	1	1	1	1	1	1	1	1	1	1
7A	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64" (2.7310)				1	1	1	1	1	1	1	1	
	142583	RETAINER, SPRING 3/16" (12.9640)				1	1	1	1	1	1	1	1	
	5125571	CLIP, SHUTDOWN CABLE (ON LINK) (2.9422)												1
	120380	LOCKWASHER, 1/4" (12.9200)	AR	3	AR									
5A	5116345	NUT, 1/4"-28	1	1										
5A	121902	NUT, 1/4"-28 (12.9120)	4	4	4									
	120613	NUT, 1/4"-28 (12.9120)			2									
	114492	LOCKNUT, 1/4"-28 (12.9120)												1
		* ASSEMBLY NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESES.												

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7820 - LEVER, GOVERNOR TO INJECTOR LINK												
5K	**5125278**	LEVER ASSY., 2,3,4-53 (A & B ENG.)												1
5K	**5125107**	SPRING												1
5K	**5122732**	RING, SNAP (2.7150)												1
5K	**5126243**	WASHER, SPRING												1
		2.7821 - BRACKET, GOVERNOR TO INJECTOR LINK BELL CRANK												
5A	**5121332**	BRACKET	1	1										
5A	**106327**	BOLT, 5/16"-18X3/8" (12.9001)	2	2										
5A	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2										
5A	**120376**	NUT, 5/16"-18 (12.9120)	2	2										
		2.7823 - BELL CRANK, GOVERNOR TO INJECTOR LINK												
5A	**5121198**	+ BELL CRANK, 2,3,4-53	1											
5A	**5121199**	+ BELL CRANK, 2,3,4-53		1										
	5121241	+ BELL CRANK, 2-53			1									
	454512	PIN, 3/16"X3/4" (ROLL) (12.9300)			1									
	100005	BOLT, 1/4"-28X1 3/4" (12.9001)			1									
	100006	BOLT, 1/4"-28X2" (12.9001)	1	1										
	120392	WASHER, 1/2" (12.9190)	AR	AR	AR									
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR										
	454750	NUT, 1/4"-28 LOCK (12.9120)	1	1	1									
	121902	NUT, 1/4"-28 (12.9120)	1	1										
		+ OBSOLETE.												
		2.7825 - BUSHING, GOVERNOR TO INJECTOR LINK BELL CRANK												
	5116344	BUSHING, 2,3,4-53	1	1										
	5121243	BUSHING, 2-53			1									
	5119420	SLEEVE, 2,3,4-53 (AT BELL CRANK)	1	1										
	5116437	SLEEVE, 2,3,4-53 (AT LEVER)	1	1										
	5121242	SLEEVE, 2-53			1									
	5119421	WASHER, RETAINING	2	2	2									
		2.7827 - LEVER, MANUAL SHUTDOWN												
5A	**5116347**	LEVER, 2,3,4-53	1	1										
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5116262	ADAPTOR, 2,3,4-53 (IN HEAD) (PLAIN END)				1	1	1	1	1	1	1	1	
	5121252	ADAPTOR, 2,3,4-53 (IN HEAD) (BEADED END)	1	1	1									1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
5A	5121385	BOOT	1	1	1									1
	5129705	HOSE, 7/8"I.D.X.75"L. (B & D ENG.)				1	1	1	1	1	1	1	1	
	5129707	HOSE, 7/8"I.D.X1.26"L. (A & C ENG.)				1	1	1	1	1	1	1	1	
	5186840	CLAMP, 1 3/16" DIA. HOSE (B & D ENG.) (12.9660)				1	1	1	1	1	1	1	1	
	272855	CLAMP, 1 1/4" DIA. HOSE (A & C ENG.) (12.9660)				2	2	2	2	2	2	2	2	
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
5D	5144093	TUBE ASSY., 2,3,4-53 (DEV. L. 8.08) (CONTROL HOUSING, C & D ENGINES)					1	1		1				
5D	5144695	TUBE ASSY., 2,3,4-53 (DEV. L. 8.08) (CONTROL HOUSING, A & B ENGINES)				1			1		1	1	1	
	5109785	+ * TUBE ASSY., 2, 3, 4-53 (DEV. L. 10.48) (WEIGHT HOUSING)				AR	AR	AR	AR	AR	AR	AR	AR	AR
	5129726	@ TUBE ASSY., 2,3,4-53 (DEV. L. 11.36) (WEIGHT HOUSING)				AR	AR	AR	AR	AR	AR	AR	AR	AR
5D	5143990	TEE, 1/4"-1/4" TUBE X 1/8" PIPE				1			1		1	1		
5D	5166265	ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)				AR	AR	AR	AR	AR	AR	AR	AR	AR
	8924170	CONNECTOR, 1/4" TUBE X 1/8" PIPE (12.9460)				AR	AR	AR	AR	AR	AR	AR	AR	AR
	443762	* EXTENSION, 1/8" PIPE (12.9540)				AR	AR	AR	AR	AR	AR	AR	AR	AR
		* THRU 3D-3391.												
		@ EFFECTIVE WITH 3D-3392.												
		+ OBSOLETE.												
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5146132	SPRING (TORSION) (C & D ENGINE)						1		1				
	5147598	SPRING (TORSION) (A & B ENGINE)							1		1	1	1	
		2.7920 - VALVE, GOVERNOR DUAL SPEED CONTROL SOLENOID												
	5124545	VALVE (220V, AC)										1		
	5125032	VALVE (220V, AC)											1	
	132908	BOLT, #10-32X1/2" (12.9001)										2	2	
	120217	LOCKWASHER, #10 (12.9200)										2	2	
	120614	NUT, #10-32 (12.9190)										2	2	
		2.7922 - BRACKET, GOVERNOR SOLENOID VALVE MOUNTING												
	5125991	BRACKET										1	1	
	100001	BOLT, 1/4"-28X3/4" (12.9001)										2	2	
	120380	LOCKWASHER, 1/4" (12.9200)										2	2	
	121902	NUT, 1/4"-28 (12.9190)										2	2	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7925 - TUBE, SOLENOID VALVE SUPPLY												
	5126003	+ TUBE (DEV. L. 7 11/32")										1		
	5126005	+ TUBE (DEV. L. 6 25/32")											1	
	5129848	ELBOW, 5/16" SEALASTIC 90 DEG. X 1/4" PIPE (2.5210)										1	1	
	5138297	ELBOW ASSY., 5/16" SEALASTIC 90 DEG. (12.9425)										1	1	
	5177493	RING, SEAL 5/16" SEALASTIC (12.9435)										2	2	
		+ OBSOLETE.												
		2.7927 - TUBE, SOLENOID VALVE TO GOVERNOR												
	5126006	TUBE (DEV. L. 9.06")										1	1	
	5129848	ELBOW, 5/16" SEALASTIC 90 DEG. X 1/4" PIPE (2.5210)										1	1	
	5138297	ELBOW ASSY., 5/16" SEALASTIC 90 DEG. (12.9425)										1	1	
	5177493	RING, 5/16" SEALASTIC (12.9435)										2	2	
		2.7930 - TUBE, SOLENOID VALVE DRAIN												
	5125275	+ TUBE, 2,3,4-53 (DEV. L. 8 19/32) (HD. TO VALVE)										1		
	5126004	+ TUBE, 2, 3, 4-53 (DEV. L. 8 7/8) (HD. TO VALVE)											1	
	5126007	TUBE, 2,3,4-53 (DRAIN)										1		
	5126001	+ TUBE, 2,3,4-53 (DRAIN)											1	
	5126012	TUBE ASSY.,2,3,4-53 (DEV. L. 21 1/8)											1	
	8924214	TEE, 1/8" PIPE (7.4586)										1		
	5182216	+ TEE, 5/16" (7.4075)											1	
	8925085	ELBOW ASSY., 5/16" SEALASTIC TUBE 90 DEG. (12.9425)										1	2	
	8925092	CONNECTOR, 5/16" SEALASTIC TUBE (12.9415)										1	1	
	5177493	RING, 5/16" SEALASTIC TUBE (12.9435)										3	5	
	5182629	CLIP (12.4080)										1	1	
	179833	BOLT, 3/8"-16X1/2" (12.9001)										1	1	
	103321	LOCKWASHER, 3/8" (12.9200)										1	1	
		+ OBSOLETE.												
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL				AR	AR				AR	AR		
		2.7960 - GEAR, GOVERNOR DRIVE												
5B	5116025	* GEAR, 2,3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)	1	1		1	1	1	1	1	1	1	1	1
	5107076	+ GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)	1	1		1	1	1	1	1	1	1	1	1
	8927961	@ GEAR, 3-53 (R.H. HELIX-56 TEETH, STAMPED 8927961)								1				
5B	5116026	* GEAR, 2,3,4-53, LA, LB, RC, RD (L.H. HELIX; 49 TEETH)	1	1		1	1	1	1	1	1	1	1	1
	5107077	+ GEAR, 3,4-53 LA, LB, RC, RD (L.H. HELIX; 56 TEETH)	1	1		1	1	1	1	1	1	1	1	1
	8924991	@ GEAR, 3-53 (L.H. HELIX-56 TEETH; STAMPED 8924991)								1				
5C	5121223	GEAR, 2-53 (L.H. HELIX; 44 TEETH)			1									

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	448	452	466	467	468	469	470	471	487	488	496
		2.7960 - GEAR, GOVERNOR DRIVE (CONT'D)												
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1		1	1	1	1	1	1	1	1	1
	9434177	NUT, 5/8"-18 LOCK (12.9140)	1	1		1	1	1	1	1	1	1	1	1

* THRU 3D-170682 AND 4D-180938.
\+ EFF. WITH 3D-170683 AND 4D-180939.
@ EFF. WITH 3D-193526 FOR TURBO APPLICATIONS ONLY.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
	2.7001	**- GOVERNOR ASSY.**												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7045 THRU 2.7810 EXCEPT 2.7520, 2.7530 AND 2.7740. CLOSED LINKAGE GOVE RNORS DO NOT INCLUDE ITEMS IN 2.7170.												
	5122796	* # GOVERNOR ASSY., 3, 4-53 VARIABLE (5107142)				1								
	5129822	* GOVERNOR ASSY., 2,3,4-53 CONSTANT DUAL SPEED	1											
	5125435	* # GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5129737)		1										
	5125437	* # GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5129737)			1									
	5129821	* GOVERNOR ASSY., 2,3,4-53 CONSTANT DUAL SPEED					1							
	5125436	* # GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5129738)						1						
	5125442	* # GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5129738)							1					
	5125441	* # GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5129737)								1				
	5125440	* # GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5129738)									1			
	5125439	* # GOVERNOR ASSY., 2,3,4-53 VARIABLE (5129737)										1		
	5124525	* # GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5107142)											1	
	5124524	* # GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5107139)												1
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5A	**9414285**	BOLT, 3/8"-24X7/8" (12 PT. HD.) (12.9001)	3	3	3	3	3	3	3	3	3	3	3	3
	5145225	WASHER, 3/8" SEAL (2.4050)	AR	3	AR	3	3	3	3	3	3	AR	AR	AR
	9414322	WASHER, 3/8" (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		* ASSEMBLY NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		# FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES.												
	2.7002	**- NAME PLATE, GOVERNOR**												
	5122166	NAMEPLATE	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW, #4X3/16" DRIVE (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2
	2.7010	**- GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE**												
5B	**5116336**	GASKET, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
	2.7045	**- COVER ASSY., GOVERNOR-COMPLETE**												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5126432	# COVER ASSY., 2,3,4-53 (C & D ENG.)												1
	5122721	@ COVER ASSY., 2,3,4-53 (C & D ENG.)												1
	5126433	# COVER ASSY., 2,3,4-53 (A & B ENG.)	1			1	1						1	
	5122722	@ COVER ASSY., 2,3,4-53 (A & B ENG.)	1			1	1						1	
	5101768	RETAINER	1			1	1						1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE (CONT'D)												
5E,H	9417926	SCREW, 1/4"-20X3/4" FIL. HD. (WITH LOCKWASHER) (12.9010)	4			4	4						4	4
	453007	*SCREW, 1/4"-20X1" (W/LW) (12.9025)*	1			1	1						1	1
		@ THRU 2D-6491, 3D-310, 4D-849, NOT SERVICED COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ITEM MARKED #, A ND ONE SPRING IN 2.7910, 5146132 (C & D ENGINES) OR 5147598 (A & B ENGINES).												
		# EFF. WITH 2D-6492, 3D-311, 4D-850.												
		2.7051 - GASKET, GOVERNOR COVER												
5E,H	5122742	GASKET, 2,3,4-53	1			1	1						1	1
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE												
		A LEVER AND SHAFT ASSY. INCLUDES PINS IN 2.7170 AND 2.7172.												
	5125677	LEVER AND SHAFT ASSY., 2,3,4-53							1					
5K	5125453	LEVER AND SHAFT ASSY., 2,3,4-53		1								1		
	5125676	LEVER AND SHAFT ASSY., 2,3,4-53			1					1				
5K	5125454	LEVER AND SHAFT ASSY., 2,3,4-53						1			1			
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
5E,H	5107147	LEVER, 2,3,4-53 (2.9361)	1			1	1						1	1
5K	455734	PIN, 1/8"X3/4" (12.9300)		1	1			1	1	1	1	1		
5K	5124976	BOLT, EYE		1	1			1	1	1	1	1		
5E,H	186647	BOLT, 1/4"-20X1" (12.9001)	1			1	1						1	1
5E	120380	LOCKWASHER, 1/4" (12.9200)	1			1	1						1	1
	114493	LOCKNUT, 5/16"-24 (EYE BOLT) (2.7170)		2	2			2	2	2	2	2		
		2.7172 - BRACKET, GOVERNOR THROTTLE SPEED ADJUSTING SHAFT												
	455734	PIN, 1/8"X3/4" SPRING (12.9300)		1	1			1	1	1	1	1		
5K	5125063	*BOLT, ADJUSTING*		2	2			2	2	2	2	2		
5B,K	103089	NUT, #12-24 (12.9190)		2	2			2	2	2	2	2		
		2.7174 - SPRING, GOVERNOR THROTTLE SPEED ADJUSTING												
5K	5125426	*SPRING, 2,3,4-53 (RED PAINT)*		1	1			1	1	1	1	1		
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5D	5122757	@ HOUSING, 2,3,4-53 (A & B ENG.)	1			1	1						1	
5D	5144089	HOUSING, 2,3,4-53 (A & B ENG.)	1			1	1						1	
5D	5122756	*# HOUSING, 2,3,4-53 (C & D ENG.)*												1
5D	5144090	HOUSING, 2,3,4-53 (C & D ENG.)												1
	5125675	HOUSING ASSY., 2,3,4-53 (A & B ENG.) (INCLUDES BUSHINGS)						1	1		1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL (CONT'D)												
	5125674	HOUSING ASSY., 2,3,4-53 (C & D ENG.) (INCLUDES BUSHINGS)		1	1					1		1		
	5116262	ADAPTOR (INJECTOR CONTROL LINK BOOT) 2,3,4-53 (2.7830)	1			1	1						1	1
5K	**5125052**	BUSHING, 2,3,4-53		2	2			2	2	2	2	2		
	105451	GASKET, 3/8" COPPER (12.9360)	1				1							
	113699	BOLT, 3/8"-24X1/2" (12.9001)	1				1							
		@ NOT SERVICED, REPLACE WITH 5144089 AND (1) 8924749 PLUG.												
		# NOT SERVICED, REPLACE WITH 5144090 AND (1) 8924749 PLUG.												
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		A SHAFT ASSY. INCLUDES ITEMS IN 2.7255 AND 2.7280.												
	5122753	SHAFT ASSY., 2,3,4-53 (A & B ENG.) (INCLUDES BEARING IN 2.7260)	1			1	1						1	
	5122752	SHAFT ASSY., 2,3,4-53 (C & D ENG.) (INCLUDES BEARING IN 2.7260)												1
	5125191	SHAFT, 2,3,4-53 (A & B ENG.)						1	1		1			
	5125190	SHAFT, 2,3,4-53 (C & D ENG.)		1	1					1		1		
		2.7255 - SHAFT, GOVERNOR OPERATING												
5D	**5122751**	SHAFT, 2,3,4-53	1			1	1						1	1
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D	**5122754**	TUBE	1	1	1	1	1	1	1	1	1	1	1	1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D	**9431894**	BEARING	1			1	1						1	1
5K	**9431895**	BEARING		1	1			1	1	1	1	1		
5K	**5125154**	SHIELD		1	1			1	1	1	1	1		
5B,C	**9421917**	SCREW AND LOCKWASHER ASSY., #10-24X7/16" (12.9025)	1			1	1							
5D	**120391**	WASHER, #10 (12.9190)	1			1	1						1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5D,K	**9431887**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
5D,K	**9413284**	RING, SNAP (BEARING TO HOUSING)	1	1	1	1	1	1	1	1	1	1	1	1
5K	**274844**	RING, SNAP (BEARING TO SHAFT)		1	1			1	1	1	1	1		
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5D	**5122750**	LEVER ASSY., 2,3,4-53 (A & B ENGINE)	1			1	1						1	
5D	**5122749**	LEVER ASSY., 2,3,4-53 (C & D ENGINE)												1
5D	**5150898**	SCREW (GAP ADJUSTING)	1			1	1						1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER (CONT'D)												
5D	114492	LOCKNUT, 1/4"-28 (12.9120)	1			1	1						1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5D,K	5122741	FORK	1	1	1	1	1	1	1	1	1	1	1	1
5D,K	9425382	SCREW, #10-32X5/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
5D,K	120217	LOCKWASHER, #10 (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5D	5122746	PIN	1			1	1						1	1
5K	455297	PIN, 5/32"X7/8" (12.9270)		1	1			1	1	1	1	1		
		2.7310 - LEVER AND PIN ASSY., GOVERNOR *DIFFERENTIAL*												
		A LEVER ASSY. INCLUDES PIN IN 2.7315.												
5D	5122743	LEVER ASSY.	1			1	1						1	1
5D	142583	RETAINER, 3/16" (SPRING) (12.9640)	1			1	1						1	1
5D	5150941	WASHER, 21/64"	1			1	1						1	1
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5D	5122745	PIN	1			1	1						1	1
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	5129730	HOUSING ASSY. (C AND D ENGINE)		1	1					1		1		1
5D,K	5129731	HOUSING ASSY. (A AND B ENGINE)	1			1	1	1	1		1		1	
5K	5119127	BUSHING (WEIGHT SHAFT END)	1	1	1	1	1	1	1	1	1	1	1	1
5D,K	9428477	*PLUG, CUP 15/16" DIA. (3.4030)*	1	1	1	1	1	1	1	1	1	1	1	1
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	5122787	* SHAFT AND CARRIER ASSY., 2,3,4-53											1	1
	5122788	* SHAFT AND CARRIER ASSY., 2,3,4-53				1								
	5125042	* SHAFT AND CARRIER ASSY., 2,3,4-53	1	1	1		1	1						
	5125043	* SHAFT AND CARRIER ASSY., 2,3,4-53							1	1	1	1		
	110529	SCREW, #10-24X1/4" SL. (12.9030)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED, LISTED FOR REFERENCE ONLY, USE COMPONENT PARTS.												
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	5122738	SPACER, 1/4"X.64" I.D. (BETWEEN GEAR AND BEARING) 2, 3, 4-53	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING												
	5152716	= COVER (3.4223)									1	1		
	186625	= BOLT, 5/16"-18X7/8" (12.9001)									3	3		
	103320	= LOCKWASHER, 5/16" (12.9200)									3	3		
		= REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER												
	5150193	= GASKET (5.1010)									1	1		
		= REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
	5124417	+ SPRING, 2,3,4-53 (TWO RED STRIPES)					1							
	5153629	SPRING, 2,3,4-53 (TWO ALUMINUM STRIPES)	1											
		+ OBSOLETE												
		2.7563 - PLUNGER, GOVERNOR HIGH SPEED SPRING												
	5125418	PLUNGER	1				1							
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
	5123922	SHIM, .010" THICK	AR				AR							
	5123923	SHIM, .100" THICK	AR				AR							
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
	5113867	RETAINER	1				1							
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING												
	5125603	PISTON	1				1							
	5125604	SPACER, PISTON	1				1							
	5133752	RING, PISTON SEAL	1				1							
		2.7620 - GUIDE, GOVERNOR SPRING												
	5124551	GUIDE, 2,3,4-53	1				1							
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
	5125449	COVER ASSY., 2,3,4-53	1				1							
	9414499	SCREW, 5/16"-24X1 1/2" SET (12.9076)	1				1							
	5125450	PLUG, 5/8"X18	1				1							
	5156768	GASKET, 21/32" (COPPER) (4.4170)	1				1							

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
	5125419	HOUSING, 2,3,4-53	1				1							
5G	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)	2				2							
5G	**103320**	LOCKWASHER, 5/16" (12.9200)	2				2							
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
	8922593	GASKET	2				2							
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN PAGE E1.												
	5172555	# HOUSING ASSY., 3,4-53 (A & B ENGINE)				1								
	5127655	@ * HOUSING ASSY., 3,4-53 (A & B ENG.) (5139662)				1								
	5183479	# HOUSING ASSY., 2,3,4-53 (A & B ENG.)											1	
	5126842	@ * HOUSING ASSY., 2,3,4-53 (A & B ENG.) (5139662)											1	
	5179124	# HOUSING ASSY., 2,3,4-53 (C & D ENG.)												1
	5126841	@ * HOUSING ASSY., 2,3,4-53 (C & D ENG.) (5139262)												1
5F	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)				2							2	2
5F	**103320**	LOCKWASHER, 5/16" (12.9200)				2							2	2
		# NOT SERVICED, COMPONENTS AVAILABLE; EARLY TYPE WITH 3/4" COUNTERBORE FOR SHAFT PACKING. FOR COMPLETE REPL ACEMENT USE ITEMS MARKED @.												
		@ LATE TYPE, 5/8" BORE, NO COUNTERBORE FOR PACKING.												
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INC ORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**8922593**	GASKET (2.7650)				1							1	1
		2.7740 - LEVER, GOVERNOR VARIABLE SPEED CONTROL												
	5151519	LEVER (2.7170)											1	
	186647	BOLT, 1/4"-20X1" (12.9001)											1	
	103319	LOCKWASHER, 1/4" (12.9200)											1	
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	**5127397**	SPRING (TWO LIGHT BLUE STRIPES)				1							1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
	2.7770	**- PLUNGER, GOVERNOR VARIABLE SPEED SPRING**												
5F	**5162661**	PLUNGER				1							1	1
	2.7780	**- GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER**												
5F	**5152939**	GUIDE				1							1	1
	2.7790	**- RETAINER, GOVERNOR VARIABLE SPEED SPRING**												
5F	**5137276**	RETAINER				1							1	1
	2.7795	**- STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER**												
5F	**5171784**	STOP, 2,3,4-53 (WITH STEP)				1							1	1
5F	**5174430**	STOP, 2,3,4-53 (WITH GAP)				1							1	1
	2.7800	**- SHIM, GOVERNOR VARIABLE SPEED SPRING**												
5F	**5136590**	SHIM, .010"				AR							AR	AR
5F	**5136591**	SHIM, .078"				AR							AR	AR
	2.7810	**- SCREW ASSY., GOVERNOR BUFFER**												
5D	**5177083**	SCREW ASSY., 2,3,4-53 (WITH SPRING)		1	1	1		1	1	1	1	1	1	1
	5183773	# SCREW ASSY., 2,3,4-53 (WITH SPRING)		1	1			1	1	1	1	1	1	1
	5155596	# WASHER (4.7120)		2	2			2	2	2	2	2	2	2
	5174286	# NUT (12.9140)		1	1			1	1	1	1	1	1	1
5D	**124925**	NUT, 3/8"-24 (12.9120)				1							1	1
		# USE WITH UPPER CONTROL HOUSING LUBRICATION TUBE ONLY.												
	2.7819	**- ROD ASSY., GOVERNOR TO INJECTOR LINK**												
	5122797	LINK, 2,3,4-53 (A AND C ENGINE)	1			1	1						1	1
	5122798	LINK, 2,3,4-53 (B AND D ENGINE)	1			1	1						1	1
	5125322	LINK, 2,3,4-53 (A ENGINE)						1	1		1			
	5125689	LINK, 2,3,4-53 (B ENGINE)						1	1		1			
	5125323	LINK, 2,3,4-53 (C ENGINE)		1	1					1		1		
	5125688	LINK, 2,3,4-53 (D ENGINE)		1	1					1		1		
	5125518	JOINT, 1/4" BALL (2.8940)		1	1			1	1	1	1	1		
7A	**5147345**	PIN, LINK (TO INJECTOR CONTROL TUBE LEVER)	1	1	1	1	1	1	1	1	1	1	1	1
7A	**103361**	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64" (2.7310)	1			1	1						1	1
	142583	RETAINER, SPRING 3/16" (12.9640)	1			1	1						1	1
	5125571	CLIP, SHUTDOWN CABLE (ON LINK) (2.9422)		1	1			1	1	1	1	1		
	114492	LOCKNUT, 1/4"-28 (12.9120)		1	1			1	1	1	1	1		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
		2.7820 - LEVER, GOVERNOR TO INJECTOR LINK												
5K	5125278	LEVER ASSY., 2,3,4-53 (A & B ENG.)						1	1		1			
5K	5125277	LEVER ASSY., 2,3,4-53 (C & D ENG.)		1	1					1		1		
5K	5125107	SPRING		1	1			1	1	1	1	1		
5K	5122732	RING, SNAP (2.7150)		1	1			1	1	1	1	1		
5K	5126243	WASHER, SPRING		1	1			1	1	1	1	1		
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5116262	ADAPTOR, 2,3,4-53 (IN HEAD) (PLAIN END)	1			1	1						1	1
	5121252	ADAPTOR, 2,3,4-53 (IN HEAD) BEADED END)		1	1			1	1	1	1	1		
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
5A	5121385	BOOT		1	1			1	1	1	1	1		
	5129705	HOSE, 7/8"I.D.X.75"L. (B & D ENG.)	1			1	1						1	1
	5129707	HOSE, 7/8"I.D.X1.26"L. (A & C ENG.)	1			1	1						1	1
	5186840	CLAMP, 1 3/16" DIA. HOSE (12.9660)	1			1	1						1	1
	272855	CLAMP, 1 1/4" DIA. HOSE (A & C ENG.) (12.9660)	2			2	2						2	2
		2.7837 - WIRE, GOVERNOR MANUAL SHUTDOWN LEVER												
	5161464	PIN, WIRE SWIVEL (2.9426)											1	
	5150941	WASHER, 21/64" (2.7310)											1	
	142583	RETAINER, 13/64" (SPRING) (12.9640)											1	
	3290569	CLIP, WIRE (7.8320)											1	
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
5D	5144093	TUBE ASSY., 2,3,4-53 (DEV. L. 8.08) (CONTROL HOUSING, C & D ENGINES)		1	1				1			1		1
5D	5144695	TUBE ASSY., 2, 3, 4-53 (DEV. L. 8.08) (CONTROL HOUSING, C & D ENGINES)	1			1	1						1	
	5109785	+ * TUBE ASSY., 2,3,4-53 (DEV. L. 10.48) (WEIGHT HOUSING)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5129726	@ TUBE ASSY., 2,3,4-53 (DEV. L. 11.36) (WEIGHT HOUSING)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5D	5143990	TEE, 1/4"-1/4" TUBE X 1/8" PIPE	1			1	1						1	
5D	5166265	ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	8924170	CONNECTOR, 1/4" TUBE X 1/8" PIPE (12.9460)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	443762	* EXTENSION, 1/8" PIPE (12.9540)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

* THRU 3D-3391.
@ EFFECTIVE WITH 3D-3392.
\+ OBSOLETE.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5146132	SPRING, 2,3,4-53 (TORSION) (C & D ENG.)												1
	5147598	SPRING, 2,3,4-53 (TORSION) (A & B ENG.)	1			1	1						1	
		2.7920 - VALVE, GOVERNOR DUAL SPEED CONTROL SOLENOID												
	5124545	VALVE (220V, AC)	1											
	5125032	VALVE (220V, AC)					1							
	132908	BOLT, #10-32X1/2" (12.9025)	2				2							
	120217	LOCKWASHER, #10 (12.9200)	2				2							
	120614	NUT, #10-32 (12.9190)	2				2							
		2.7922 - BRACKET, GOVERNOR SOLENOID VALVE MOUNTING												
	5125991	BRACKET	1				1							
	100001	BOLT, 1/4"-28X3/4" (12.9001)	2				2							
	120380	LOCKWASHER, 1/4" (12.9200)	2				2							
	121902	NUT, 1/4"-28 (12.9190)	2				2							
		2.7925 - TUBE, SOLENOID VALVE SUPPLY												
	5126003	+ TUBE, 2,3,4-53 (DEV. L. 7 11/32)	1											
	5126005	+ TUBE, 2,3,4-53 (DEV. L. 6 25/32)					1							
	5129848	ELBOW, 5/16" SEALASTIC 90 DEG. X 1/4" PIPE (2.5210)	1				1							
	8925085	ELBOW ASSY., 5/16" SEALASTIC 90 DEG. (12.9425)	1				1							
	5177493	RING, SEAL 5/16" SEALASTIC (12.9435)	2				2							
		+ OBSOLETE.												
		2.7927 - TUBE, SOLENOID VALVE TO GOVERNOR												
	5126006	TUBE (DEV. L. 9.06")	1				1							
	5129848	ELBOW ASSY., 5/16" SEALASTIC 90 DEG. X 1/4" PIPE (2.5210)	1				1							
	8925085	ELBOW ASSY., 5/16" SEALASTIC 90 DEG. (12.9425)	1				1							
	5177493	RING, 5/16" SEALASTIC (12.9435)	2				2							
		2.7930 - TUBE, SOLENOID VALVE DRAIN												
	5125275	# TUBE, 2,3,4-53 (DEV. L. 8 19/32) (HD. TO VALVE)	1											
	5126004	# TUBE, 2,3,4-53 (DEV. L. 8 7/8) (HD. TO VALVE)					1							
	5126007	TUBE, 2,3,4-53 (DRAIN)	1											
	5126001	# TUBE, 2,3,4-53 (DRAIN)					1							
	5126012	TUBE ASSY. (DEV. L. 21 1/8")					1							
	8924214	TEE, 1/8" PIPE (7.4586)	1											
	5182216	# TEE, 5/16" (7.4075)					1							
	8925085	ELBOW ASSY., 5/16" SEALASTIC TUBE 90 DEG. (12.9425)	1				2							
	8925092	CONNECTOR, 5/16" SEALASTIC TUBE (12.9415)	1				1							

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 498	499	501	502	504	505	506	507	508	509	510	511
		2.7930 - TUBE, SOLENOID VALVE DRAIN (CONT'D)												
	5177493	RING, 5/16" SEALASTIC TUBE (12.9435)	3				5							
	5182629	CLIP (12.4080)	1				1							
	179833	BOLT, 3/8"-16X1/2" (12.9001)	1				1							
	103321	LOCKWASHER, 3/8" (12.9200)	1				1							
		# OBSOLETE.												
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL	AR			AR	AR				AR	AR		
		2.7960 - GEAR, GOVERNOR DRIVE												
5B	**5116025**	* GEAR, 3,4-53 RA, RB, LC, LD (RH HELIX; 49 TEETH)	1	1		1	1	1	1	1	1	1	1	1
	5107076	+ GEAR, 3,4-53 RA, RB, LC, LD (RH HELIX; 56 TEETH)	1	1		1	1	1	1	1	1	1	1	1
5B	**5116026**	* GEAR, 3,4-53 LA, LB, RC, RD (LH HELIX; 49 TEETH)	1	1		1	1	1	1	1	1	1	1	1
	5107077	+ GEAR, 3,4-53 LA, LB, RC, RD (LH HELIX; 56 TEETH)	1	1		1	1	1	1	1	1	1	1	1
		* THRU 3D-170682 AND 4D-180938.												
		+ EFF. WITH 3D-170683 AND 4D-180939.												
5C	**5121223**	GEAR (L.H. HELIX; 44 TEETH)			1									
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1		1	1	1	1	1	1	1	1	1
	9434177	NUT, 5/8"-18 LOCK (12.9140)	1	1		1	1	1	1	1	1	1	1	1
		2.7975 - BRACKET, THROTTLE BOOSTER SPRING												
5K	**5125407**	BRACKET, 2,3,4-53 (C & D ENGINES)		1								1		
5K	**5125408**	BRACKET, 2,3,4-53 (A & B ENGINES)						1			1			
5K	**122007**	BOLT, 5/16"-18X3/4" (12.9001)		2				2			2	2		
	120214	LOCKWASHER, 5/16" (12.9200)		2				2			2	2		
		2.7980 - SPRING, THROTTLE BOOSTER												
5K	**5125426**	SPRING (2.7174)		1				1			1	1		
		2.7982 - EYE, THROTTLE BOOSTER ADJUSTING												
5K	**5124976**	SCREW (2.7170)		1				1			1	1		
	120393	WASHER, 5/16" (12.9190)		2				2			2	2		
5K	**114493**	LOCKNUT, 5/16"-24 (2.7170)		2				2			2	2		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7001 - GOVERNOR ASSY.												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7002, 2.7045 THRU 2.7810 EXCEPT 2.7165, 2.7520, 2.7530 AND 2.7740. CLOSED LINKAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS NO NOT INCLUDE ITEMS IN 2.7470.												
	5125382	* GOVERNOR ASSY., 6V53 (VARIABLE) (5103793)	1											
	5116008	* GOVERNOR ASSY., 6V53 (VARIABLE) (5103750)		1										
	5116009	* GOVERNOR ASSY., 6V53 (VARIABLE) (5103792)			1									
	5116006	* GOVERNOR ASSY., 6V53 (LIMITING) (5103783)				1								
	5126523	* GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107128)					1							
	5126521	* GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107132)						1						
	5126522	* GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107131)							1					
	5126625	* GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107127)								1				
	5127064	* GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107130)									1			
	5129135	* GOVERNOR ASSY., 2, 3, 4-53 (CONSTANT DUAL SPEED) (5129823)										1		1
	5129142	* GOVERNOR ASSY., 2, 3, 4-53 (VARIABLE) (5107141)											1	
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)					2	2	2	2	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					2	2	2	2	2	2	2	2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	6	6	6	6								
	9414285	BOLT, 3/8"-24X7/8" (12 PT. HD.)					3	3	3	3	3	3	3	3
	5145225	WASHER, 3/8" COPPER (12.9190)					3	3	3	3	3	3	3	3
	9414322	WASHER, 3/8" (12.9190)					2	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)					2	2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	6								
		* NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
		2.7002 - NAME PLATE, GOVERNOR												
	5122166	NAME PLATE, 6V53	1	1	1					1				
	145369	SCREW, #4X3/16 RED. HD. DR.	2	2	2					2				
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE												
	5121345	GASKET, 6V53 (TO END PLATE)	1	1	1	1								
5J	**5119438**	GASKET, 6V53 (TO BLOWER)	1	1	1	1								
5B	**5116336**	GASKET, 2,3,4-53					1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
	2.7045	**- COVER ASSY., GOVERNOR-COMPLETE**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
	5126641	+ COVER ASSY., 6V53 (VARIABLE) (PAGE A1) (5103752)	1	1	1									
	5126648	* COVER ASSY., 6V53 (LIMITING) (PAGE A1)				1								
	5129682	@ + COVER ASSY., 6V53 (LIMITING) (PAGE B1) (5103748)				1								
	5126428	+ COVER ASSY., 2,3,4-53 (LIMITING) (C & D ENG.) (PAGE A1) (5107124)					1	1						
	5126429	COVER ASSY., 2,3,4-53 (LIMITING) (A & B ENG.) (PAGE A1)							1					
	5126983	+ COVER ASSY., 2,3,4-53 (LIMITING) (C & D ENG.) (PAGE B1) (5107126)									1			
	5126433	COVER ASSY., 2,3,4-53 (VARIABLE AND CONSTANT) (A & B ENG.) (PAGE A1)								1		1	1	1
	5144196	RETAINER								1				
	5101768	RETAINER	1	1	1									
	453007	SCREW, 1/4"-20X1" (W/LW) (12.9025)	1	1	1					1				
5J	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (W/LW) (12.9010)	6	6	6	7	4	4	4	3	4	4	4	4
		* THRU 6D-533, NOT SERVICED, COMPONENTS AVAILABLE. FOR COMPLETE REPLACEMENT USE 5103748.												
		@ EFFECTIVE WITH 6D-534. FOR COMPLETE REPLACEMENT USE 5103748.												
		+ NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
	2.7051	**- GASKET, GOVERNOR COVER**												
5J	**5121342**	GASKET, 6V53	1	1	1	1								
5E,H	**5122742**	GASKET, 2,3,4-53					1	1	1	1	1	1	1	1
	2.7095	**- SHAFT ASSY., GOVERNOR THROTTLE**												
		A LEVER AND SHAFT ASSY. INCLUDES PINS IN 2.7170 AND 2.7172.												
5K	**5125454**	LEVER AND SHAFT ASSY., 2,3,4-53										1		
5K	**5125453**	LEVER AND SHAFT ASSY., 2,3,4-53											1	
	2.7165	**- LEVER, GOVERNOR COVER SHUTDOWN SHAFT**												
5H,J	**5183042**	LEVER, 2,3,4-53 (2.9410)				1	1	1	1		1			
5H,J	**443603**	BOLT, 1/4"-20X3/4" (12.9001)				1								
5H,J	**179796**	BOLT, 1/4"-20X7/8" (12.9001)					1	1	1		1			
5H,J	**120380**	LOCKWASHER, 1/4" (12.9200)				1	1	1	1		1			
	2.7170	**- LEVER, GOVERNOR COVER THROTTLE SHAFT**												
5J	**5151519**	LEVER, 6V53	1	1	1	1								
5E,H	**5107147**	LEVER, 2, 3, 4-53 (2.9361)					1	1	1	1		1	1	1
	5108381	CLIP (2.9405)			1									

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT (CONT'D)												
5E,J	213546	BOLT, 1/4"-20X1" (12.9001)	1	1	1	1	1	1	1	1		1	1	1
5E,J	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1		1	1	1
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5J	5121001	HOUSING ASSY., 6V53 (INCLUDES ITEMS IN 2.7230 THRU 2.7300)	1	1	1	1								
5D	5122756	# HOUSING, 2,3,4-53 (C & D ENGINES) (5144090)					1	1			1			
5D	5122757	# HOUSING, 2,3,4-53 (A & B ENGINES) (5144089)							1	1		1	1	1
5J	5116071	PIN, 6V53 (TO CYLINDER BLOCK END PLATE)	1	1	1	1								
5J	141242	PIN, DOWEL 3/8"X7/8" (TO BLOWER) (12.9290)	2	2	2	2								
5J	5119314	PIN, 3/8"X1.68" 6V53 (CONTROL LINK LEVER SHAFT)	1	1	1	1								
5J	5150942	PIN, DOWEL 6V53 (COVER ALIGNING)	2	2	2	2								
	9417025	PLUG, 1 3/4" EXPANSION (REAR OF HSG.)	1	1	1	1								
5J	116337	PLUG, 1 1/16" EXPANSION (12.9330)	1	1	1	1								
	9421753	PLUG, 1 1/8" CUP (12.9320)			1	1								
5J	5126069	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V53	2	2	2	2								
	5116262	ADAPTOR, INJECTOR CONTROL LINK BOOT, 2,3,4-53 (2.7830)					1	1	1	1	1	1	1	1
	105451	GASKET, 3/8" COPPER (12.9360)										1		1
	113699	BOLT, 3/8"-24X1/2" (BUFFER SCREW HOLE) (12.9001)										1		1
		# NOT SERVICED; USE NUMBER IN PARENTHESES AND INCLUDE 8924749 PLUG.												
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7260 AND BEARING IN 2.7300.												
	5121458	SHAFT ASSY., 6V53	1	1	1	1								
	5122753	SHAFT ASSY., 2,3,4-53 (A AND B ENG.)							1	1		1	1	1
	5122752	SHAFT ASSY., 2,3,4-53 (C AND D ENG.)					1	1			1			
		2.7255 - SHAFT, GOVERNOR OPERATING												
5J	5121339	SHAFT, 6V53	1	1	1	1								
5D	5122751	SHAFT, 2,3,4-53					1	1	1	1	1	1	1	1
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	5122754	TUBE, 2,3,4-53					1	1	1	1	1	1	1	1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	9431894	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
5D,J	9421917	SCREW AND LOCKWASHER ASSY., #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1
	120391	WASHER, #10 (12.9190)			1					1				

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5J	**954987**	BEARING, 6V53	1	1	1	1								
5D	**9431887**	BEARING, 2,3,4-53					1	1	1	1	1	1	1	1
5D,K	**9413284**	RING, SNAP (TO HOUSING)					1	1	1	1	1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING *SHAFT-UPPER*												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5J	**5116011**	LEVER ASSY., 6V53	1	1	1	1								
5D	**5122749**	LEVER ASSY., 2,3,4-53 (C & D ENG.)					1	1			1	1	1	1
5D	**5122750**	LEVER ASSY., 2,3,4-53 (A & B ENG.)							1	1				
	5132962	SCREW, 6V53 (GAP ADJUSTING)	1	1	1	1								
5D,J	**5150898**	SCREW, 2,3,4-53 (GAP ADJUSTING)					1	1	1	1	1	1	1	1
5D,J	**114492**	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5J	**5138335**	FORK, 6V53	1	1	1	1								
5D	**5122741**	FORK, 2,3,4-53					1	1	1	1	1	1	1	1
5D	**9425382**	SCREW, #10-32X5/8" (W/LW) (12.9001)					2	2	2	2	2	2	2	2
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5J	**5150943**	PIN, 6V53	1	1	1	1								
5D	**5122746**	PIN, 2,3,4-53					1	1	1	1	1	1	1	1
		2.7310 - LEVER AND PIN ASSY., GOVERNOR *DIFFERENTIAL*												
		A LEVER ASSY. INCLUDES PIN IN 2.7315.												
5J	**5124209**	LEVER ASSY., 6V53	1	1	1	1								
5D	**5126311**	LEVER ASSY., 2,3,4-53 (LIMITING SPEED)					1	1	1		1			
5D	**5122743**	LEVER ASSY., 2,3,4-53 (VARIABLE AND CONSTANT SPEED)								1		1	1	1
5D,J	**5150941**	WASHER, 21/64"	1	1	1	1	1	1	1	1	1	1	1	1
5D,J	**142583**	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5J	**5150943**	PIN, 6V53 (2.7300)	1	1	1	1								
5D	**5126310**	PIN, 2,3,4-53 (LIMITING)					1	1	1		1			
5D	**5122745**	PIN, 2,3,4-53(VARIABLE AND CONSTANT)								1		1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL *LINK OPERATING*												
5J	**5121490**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)	1	1	1	1								
5J	**9437946**	BEARING, NEEDLE (2.7440)	2	2	2	2								
5J	**5117693**	PIN, 1.00" L.	2	2	2	2								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING (CONT'D)												
5J	148148	RETAINER, 1/4" SPRING (12.9460)	1	1	1	1								
5J	5151487	WASHER (2.7430)	2	2	2	2								
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	5129730	HOUSING, 2,3,4-53 (C AND D ENGINE)					1	1			1			
5D,K	5129731	HOUSING, 2,3,4-53 (A AND B ENGINE)							1	1		1	1	1
5K	5119127	BUSHING, 2,3,4-53 (WEIGHT SHAFT END)					1	1	1	1	1	1	1	1
5D,K	9428477	PLUG, CUP 15/16" DIA. (3.4030)					1	1	1	1	1	1	1	1
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	5122882	SHAFT AND CARRIER ASSY., 6V53	1	1										
	5122883	SHAFT AND CARRIER ASSY., 6V53			1									
	5133819	SHAFT AND CARRIER ASSY., 6V53				1								
	5122782	* SHAFT AND CARRIER ASSY., 2,3,4-53 (5100061)					1	1	1	1	1			
	5122787	@ SHAFT AND CARRIER ASSY., 2,3,4-53										1	1	1
	5125043	@ SHAFT AND CARRIER ASSY., 3-53								1				
	110529	SCREW, #10-24X1/4" FLAT HD. SL. (12.9300)					1	1	1	1	1	1	1	1
		* NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
		@ NOT SERVICED, LISTED FOR REFERENCE ONLY. USE COMPONENTS.												
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5J	907674	BEARING	1	1	1	1								
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	5122738	SPACER, 2,3,4-53 (BETWEEN GEAR AND BEARING)					1	1	1	1	1	1	1	1
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING												
	5152716	* COVER, 2,3,4-53 (3.4223)						1	1					
	186625	* BOLT, 5/16"-18X7/8" (12.9001)						3	3					
	103320	* LOCKWASHER, 5/16" (12.9200)						3	3					
		* REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER												
	5150193	* GASKET, 2,3,4-53 (5.1010)						1	1					
		* REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5151604**	SPRING, 6V53 (ONE GREEN STRIPE)				1								
5G	**5183704**	SPRING, 2,3,4-53 (2 YELLOW STRIPES)					1	1	1		1			
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5G	**5124415**	SPRING, 2,3,4,6V53(ONE WHITE STRIPE)				1		1	1		1			
	5126272	SPRING, 2,3,4-53 (ONE ORANGE STRIPE)					1							
	5129307	SPRING, 2,3,4-53 (THREE RED STRIPES)										1		1
	5129071	@ SPRING, 2, 3, 4-53 (THREE BLUE STRIPES)				AR								
		@ OBSOLETE.												
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G	**5182555**	PLUNGER, 2,3,4-53				1		1	1		1			
	5126135	PLUNGER, 2,3,4-53					1							
		2.7563 - PLUNGER, GOVERNOR HIGH SPEED SPRING												
	5125418	PLUNGER, 2,3,4-53										1		1
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5G	**5150892**	SEAT				1	1	1	1		1			
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	**5103975**	CAP				1	1	1	1		1			
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
	5101432	PIN, 3.98"L.				1		1	1		1			
	5102270	SCREW, 1/4"-28X1" (12.9076)				1		1	1		1			
	5150891	+ SCREW					1							
5G	**114492**	LOCKNUT, 1/4"-28 (12.9120)				1	1	1	1		1			
		+ NOT SERVICED, USE (1) EACH OF 5102270 AND 5101798.												
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
	5150947	SHIM, .010"					AR							
	5151249	SHIM, .078"					AR							
	5123922	SHIM, .010"										AR		AR
	5123923	SHIM, .100"										AR		AR
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G	**5182557**	RETAINER				1		1	1		1			
	5174436	RETAINER					1							
	5113867	RETAINER										1		1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING												
	5125603	PISTON										1		1
	5125604	SPACER, PISTON										1		1
	5133752	RING, PISTON SEAL										1		1
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5G	5186115	LOCKNUT				1		1	1		1			
		2.7620 - GUIDE, GOVERNOR SPRING												
	5124551	GUIDE										1		1
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
	5131132	COVER, 2,3,4-53					1					1		1
	5125449	COVER, 2,3,4-53												
	179816	BOLT, 5/16"-18X3/4" (12.9001)					2					2		2
	274386	BOLT, 5/16"-18X3 1/4" (12.9001)										2		2
	103320	LOCKWASHER, 5/16" (12.9200)												
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G	5182559	HOUSING, 2,3,4,6V53				1		1	1		1	1		1
	5125419	HOUSING, 2,3,4-53										1		1
	5127189	RING, PISTON BLOCKING				2		2	2	2	2			
	445520	BOLT, 5/16"-18X3 1/2" (12.9001)				2	2	2	2		2			
	103320	LOCKWASHER, 5/16" (12.9200)												
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G	8922593	GASKET				1	1	1	1	1	1	2		2
		2.7655 - SCREW, GOVERNOR HIGH SPEED CONTROL												
	9414499	SCREW, 5/16"-24X1 1/2" SKT. SET (12.9076)										1		1
	5125450	PLUG, 5/8" DRILLED HD. (2.7630)										1		1
	5156768	GASKET, 21/32" (COPPER) (4.4170)										1		1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126841	* HOUSING ASSY., 6V53 (5139262) (E1)	1											
	5126121	* HOUSING ASSY., 6V53 (5139263) (E1)		1	1									
	5144095	HOUSING ASSY., 2, 3, 4-53 (F1)								1			1	
	5144096	HOUSING ASSY., 3-53												
5F	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	2	2	2								2	
5F	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2								2	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING (CONT'D)												
		* NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES WHICH INCORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**8922593**	GASKET (2.7650)	1	1	1					1			1	
		2.7740 - LEVER, GOVERNOR VARIABLE SPEED CONTROL												
	5125381	% LEVER	1											
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1											
	120380	LOCKWASHER, 1/4" (12.9200)	1											
		% OBSOLETE.												
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	**5127397**	SPRING, 6V53 (TWO LIGHT BLUE STRIPES)	1	1	1					1			1	
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5152938**	PLUNGER, 6V53	1	1	1									
5F	**5162661**	PLUNGER, 2,3,4-53								1			1	
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
5F	**5152939**	GUIDE, 6V53	1	1	1					1			1	
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5137276**	RETAINER	1	1	1					1			1	
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
5F	**5171784**	STOP (WITH STEP)	1	1	1					1			1	
5F	**5174430**	STOP (WITH GAP)	1	1	1					1			1	
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5F	**5136590**	SHIM, .010"	6	6	6					6			6	
5F	**5136591**	SHIM, .078"	3	3	3					3			3	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5J	**5126073**	SCREW ASSY., 6V53 (INCLUDES SPRING)	1	1	1									
5J	**5172383**	SCREW ASSY., 6V53 (INCLUDES SPRING)				1								
5D	**5177083**	SCREW ASSY. 2,3,4-53 (INCLUDES SPRING)					1	1	1		1		1	
	5183773	# SCREW ASSY. 2,3,4-53 (INCLUDES SPRING)	1	1	1					1			1	
	5155596	# WASHER, 5/16" (COPPER) (4.7190)	2	2	2					2				
	5174286	# NUT, 3/8"-24 LOCK (12.9140)	1	1	1					1				1
	5174286	NUT, 3/8"-24 LOCK (12.9140)	1	1	1	1								
	124925	NUT, 3/8"-24 (12.9120)					1	1	1		1		1	
		# USE WITH UPPER CONTROL HOUSING LUBRICATION TUBE ONLY.												
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
	5121453	LINK, 6V53 (LEFT BANK, UPPER)	1	1	1	1								
	5121452	LINK, 6V53 (RIGHT BANK, UPPER)	1	1	1	1								
	5121472	LINK, 6V53 (LOWER)	2	2	2	2								
7A	**5122797**	LINK, 2,3,4-53 (A & C ENG.)					1	1	1	1	1	1	1	1
7A	**5122798**	LINK, 2,3,4-53 (B & D ENG.)					1	1	1		1	1	1	1
	142583	RETAINER, SPRING 13/64" (12.9640)					1	1	1	1	1	1	1	1
7A,B	**5147345**	PIN, 1/4"X39/64" CLEVIS (12.9260)	2	2	2	2	1	1	1	1	1	1	1	1
7A,B	**103361**	PIN, 1/16"X1/2" COTTER (12.9250)	2	2	2	2	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64" (2.7310)					1	1	1	1	1	1	1	1
	454750	NUT, 1/4"-28 LOCK (UPPER TO LOWER LINK) (12.9120)	2	2	2	2								
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
4A	**5116262**	ADAPTOR (IN HEAD) (PLAIN END)	2	2	2	2	1	1	1	1	1	1	1	1
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129706	HOSE, 7/8"I.D.X1.62"L. (RIGHT BANK)	1	1	1	1								
	5129705	HOSE, 7/8"I.D.X.76"L. (LEFT BANK OR B & D ENG.)	2	2	2	2	1	1	1	1	1	1	1	1
	5129707	HOSE, 7/8"I.D.X1.26"L. (A & C ENG.)					1	1	1	1	1	1	1	1
	5126072	HOUSING, LINK (LEFT BANK)	1	1	1	1								
	272855	CLAMP, HOSE (SPRING, 1 1/4") (A & C ENG.) (12.9660)	2	2		2	2	2	2	2	2	2	2	2
	5186840	CLAMP, HOSE (SCREW BANK) (B & D ENG.) (12.9660)	2	2	4	2	1	1	1	1	1	1	1	1
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5109785	+ * TUBE ASSY. (DEV. L. 10.48") (WEIGHT HOUSING)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
	5129726	@ TUBE ASSY. (DEV. L. 11.36") (WEIGHT HOUSING)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
	5144695	TUBE ASSY. (DEV. L. 8.08") (TEE TO CONT. HSG.) (A & B ENGINES)								1				
5D	**5166265**	ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
	8924170	CONNECTOR, 1/4" TUBE (12.9460)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION (CONT'D)												
	5143990	TEE, 1/4"-1/4" TUBE X 1/8" PIPE (IN WEIGHT HSG.)								1				
	443762	* EXTENSION, 1/8" PIPE (12.9540)	AR	AR			AR	AR	AR	AR	AR	AR	AR	AR
		* THRU 3D-3391.												
		@ EFFECTIVE WITH 3D-3392.												
		+ OBSOLETE.												
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5129711	SPRING, 6V53 (TORSION)	1	1	1									
	5147598	SPRING, 2,3,4-53 (TORSION) (A & B ENG.)										1	1	1
		2.7920 - VALVE, GOVERNOR DUAL SPEED CONTROL SOLENOID												
	5124545	VALVE (220V., AC)												1
	132908	BOLT, #10-32X1/2" (12.9025)												1
	120217	LOCKWASHER, #10 (12.9200)												1
	120614	NUT, #10-32 (12.9120)												1
		2.7922 - BRACKET, GOVERNOR SOLENOID VALVE MOUNTING												
	5125991	BRACKET												1
	179837	BOLT, 3/8"-16X3/4" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2
		2.7925 - TUBE, SOLENOID VALVE SUPPLY												
	5125882	TUBE ASSY.												1
	8924215	ELBOW, 90 DEG.-5/16" INV. FL. TUBE (12.9480)												1
	8924153	ELBOW, 90 DEG.-5/16" INV. FL. TUBE (12.9480)												1
		2.7927 - TUBE, SOLENOID VALVE TO GOVERNOR												
	5125932	TUBE ASSY.												1
	8924215	ELBOW, 90 DEG.-5/16" INV. FL. TUBE (12.9480)												1
	8925609	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)												1
		2.7928 - CLIP, SOLENOID VALVE TUBE												
	3223241	CLIP (2.5220)												2
	123435	BOLT, 1/4"-28X5/8" (12.9001)												1
	103319	LOCKWASHER, 1/4" (12.9200)												1
	121902	NUT, 1/4"-28 (12.9120)												1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 512	513	514	515	522	530	531	532	545	554	562	564
		2.7930 - TUBE, SOLENOID VALVE DRAIN												
	5129448	* TUBE ASSY., HEAD TO TEE (DEV. L. 10.54")												1
	5126395	TEE, 1/8" PIPE (7.4596)												1
		* NOT SERVICED, USE 5199575 BULK HOSE, (2) 5199588 FITTINGS AND SD-29.												
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL				AR	AR	AR	AR	AR	AR			
		2.7960 - GEAR, GOVERNOR DRIVE												
5B	**5116025**	* GEAR, 3, 4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)					1	1	1	1	1	1	1	1
	5107076	+ GEAR, 3, 4-53 RA, RB, LC, LD (RH HELIX; 56 TEETH)					1	1	1	1	1	1	1	1
5B	**5116026**	* GEAR, 3, 4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)					1	1	1	1	1	1	1	1
	5107077	+ GEAR, 3, 4-53 RC, RD, LA, LB (LH HELIX; 56 TEETH)					1	1	1	1	1	1	1	1
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)					1	1	1	1	1	1	1	1
	9434177	NUT, 5/8"-18 LOCK (12.9140)					1	1	1	1	1	1	1	1
		* THRU 3D-170682 AND 4D-180938.												
		+ EFF. WITH 3D-170683 AND 4D-180939.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7001 - GOVERNOR ASSY.												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7002, 2.7045 THRU 2.7810 EXCEPT 2.7165, 2.7520, 2.7530 AND 2.7740. CLOSED LINKAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS DO NOT INCLUDE ITEMS IN 2.7470.												
	5126625	@ GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107127)	1											
	5129805	@ GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107127)		1				1						
	5129802	@ GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107132)			1									
	5129803	@ GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107131)				1								
	5138284	@ GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107128)					1							
	5129823	GOVERNOR ASSY., 2,3,4-53 (CONSTANT DUAL SPEED)							1	1				
	5129733	@ GOVERNOR ASSY., 2,3,4-53 (VARIABLE) (5129737)									1			
	5129734	@ GOVERNOR ASSY., 2,3,4-53 (VARIABLE) (5129738)										1		
	5129737	# GOVERNOR ASSY., 2,3,4-53 (VARIABLE)											1	
	5129738	# GOVERNOR ASSY., 2,3,4-53 (VARIABLE)												1
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2		2	2	2	2	2	2			
	9426895	BOLT, 3/8"-16X1 1/4" 12 PT. HD. (12.9005)											2	2
	9414285	BOLT, 3/8"-24X7/8" (12 PT. HD.)	3	3	3	3	3	3	3	3	3	3	3	3
	5145225	WASHER, 3/8" COPPER (12.9190)	3	3	3	3	3	3	3	3	3	3	3	3
	9414322	WASHER, 3/8" (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
		# ALSO INCLUDES ITEMS IN 2.7975, 2.7980 AND 2.7982.												
		2.7002 - NAME PLATE, GOVERNOR												
	5105180	NAME PLATE (PORTUGUESE)			1	1	1							
	5122166	NAME PLATE			1	1	1	1						
	145369	SCREW, #4X3/16" RED. HD. DR.			2	2	2	2						
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE												
5B	5116336	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
	5126428	% COVER ASSY., 2, 3, 4-53 (LIMITING) (C & D ENG.) (PAGE A1) (5107124)			1		1							
	5126429	COVER ASSY., 2,3,4-53 (LIMITING) (A & B ENG.) (PAGE A1)	1	1		1		1						

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2.7000A MECHANICAL GOVERNOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE (CONT'D)												
	5107138	COVER ASSY., 2,3,4-53 (VARIABLE AND CONSTANT) (A & B ENG.) (PAGE A1)							1	1				
5J	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (W/LW) (12.9010)	4	4	4	4	4	4	4	4				
		% NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER												
5E,H	**5122742**	GASKET	1	1	1	1	1	1	1	1				
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE												
		A LEVER AND SHAFT ASSY. INCLUDES PINS IN 2.7170 AND 2.7172.												
5K	**5125454**	LEVER AND SHAFT ASSY., 2,3,4-53									1	1	1	1
5K	**5125453**	LEVER AND SHAFT ASSY., 2,3,4-53												
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5H,J	**5183042**	LEVER (2.9410)	1	1	1	1	1	1						
5H,J	**443603**	BOLT, 1/4"-20X3/4" (12.9001)		1	1	1	1	1						
H,J	**179796**	BOLT, 1/4"-20X7/8" (12.9001)	1											
,J	**120380**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1						
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
	5120069	LEVER, 2,3,4-53 (2.9340)			1	1								
5E,H	**5107147**	LEVER, 2,3,4-53 (2.9340)					1	1	1	1				
	5100082	LEVER, 2,3,4-53	1	1										
5K	**455734**	PIN, 1/8"X3/4" (12.9300)									1	1	1	1
5K	**5124976**	BOLT, EYE									1	1	1	1
5E,J	**213546**	BOLT, 1/4"-20X1" (12.9001)	1	1	1	1	1	1	1	1				
5E,J	**120380**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1				
5K	**114493**	LOCKNUT, 5/16" (2.7170)									2	2	2	2
		2.7172 - BRACKET, GOVERNOR THROTTLE SPEED ADJUSTING SHAFT												
5K	**5125063**	BOLT, ADJUSTING									2	2	2	2
	455734	PIN, 1/8"X3/4" SPRING (12.9300)									1	1	1	1
5K	**103089**	NUT, #12-24 (12.9120)									2	2	2	2
		2.7174 - SPRING, GOVERNOR THROTTLE SPEED ADJUSTING												
5K	**5125426**	SPRING (RED PAINT)									1	1	1	1
5K	**5147287**	SPRING (WHITE PAINT)											1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5D	**5122756**	# HOUSING, 2,3,4-53 (C & D ENGINES) (5144090)			1		1							
5D	**5122757**	# HOUSING, 2,3,4-53 (A & B ENGINES) (5144089)	1	1		1		1	1	1				
5D	**5125674**	HOUSING ASSY., 2,3,4-53 (C & D ENG.) (INCLUDES BUSHINGS)									1		1	
5K	**5125675**	HOUSING ASSY., 2,3,4-53 (A & B ENG.) (INCLUDES BUSHINGS)										1		1
5K	**5125052**	BUSHING									2	2	2	2
	5116262	ADAPTOR, INJECTOR CONTROL LINK BOOT (2.7830)	1	1	1	1	1	1	1	1				
	105451	GASKET, 3/8" COPPER (12.9360)							1	1				
	113699	BOLT, 3/8"-24X1/2" (BUFFER SCREW HOLE) (12.9001)							1	1				
		# NOT SERVICED; USE NUMBER IN PARENTHESES AND INCLUDE 8924749 PLUG.												
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280, 2.7260 AND BEARING IN 2.7300.												
	5122753	SHAFT ASSY., 2,3,4-53 (A AND B ENG.	1	1		1		1	1	1				
	5122752	SHAFT ASSY., 2,3,4-53 (C AND D ENG.)			1		1							
	5125190	SHAFT ASSY., 2,3,4-53 (C AND D ENG.)									1		1	
	5125191	SHAFT ASSY., 2,3,4-53 (A AND B ENG.)										1		1
		2.7255 - SHAFT, GOVERNOR OPERATING												
5D	**5122751**	SHAFT	1	1	1	1	1	1	1	1				
5K	**5123597**	SHAFT (NOT SERVICED SEPARATELY)									1	1	1	1
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	**5122754**	TUBE	1	1	1	1	1	1	1	1	1	1	1	1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	**9431894**	BEARING	1	1	1	1	1	1	1	1				
5K	**9431895**	BEARING									1	1	1	1
5K	**5125154**	SHIELD									1	1	1	1
5D,J	**9421917**	SCREW AND LOCKWASHER ASSY., #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1				
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5D	**9431887**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
5D,K	**9413284**	RING, SNAP (TO HOUSING)	1	1	1	1	1	1	1	1	1	1	1	1
5K	**274844**	RING, SNAP (TO SHAFT)									1	1	1	1

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5D	**5122749**	LEVER ASSY., 2,3,4-53 (C & D ENG.)			1		1							
5D	**5122750**	LEVER ASSY., 2,3,4-53 (A & B ENG.)	1	1		1		1	1	1				
5D,J	**5150898**	SCREW (GAP ADJUSTING)	1	1	1	1	1	1	1	1				
5D,J	**114492**	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1				
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5D	**5122741**	FORK	1	1	1	1	1	1	1	1	1	1	1	1
5D	**9425382**	SCREW, #10-32X5/8" (W/LW) (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5D	**5122746**	PIN	1	1	1	1	1	1	1	1				
5K	**455297**	PIN, 5/32"X7/8" (12.9270)									1	1	1	1
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL												
		A LEVER ASSY. INCLUDES PIN IN 2.7315.												
	5126311	LEVER ASSY., 2,3,4-53 (LIMITING)	1	1	1	1	1	1						
	5122743	LEVER ASSY., 2,3,4-53 (VARIABLE AND CONSTANT SPEED)							1	1				
5D,J	**5150941**	WASHER, 21/64"	1	1	1	1	1	1	1	1				
	9421917	SCREW AND LOCKWASHER ASSY. (12.9025)			1									
	120391	WASHER, 3/16" (12.9190)			1									
5D,J	**142583**	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1				
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5D	**5126310**	PIN (LIMITING SPEED)	1	1	1	1	1	1						
5D	**5122745**	PIN (VARIABLE AND CONSTANT SPEED)							1	1				
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	**5129730**	HOUSING (C AND D ENGINE)			1		1				1		1	
5D,K	**5129731**	HOUSING (A AND B ENGINE)	1	1		1		1	1	1		1		1
5K	**5119127**	BUSHING (WEIGHT SHAFT END)	1	1	1	1	1	1	1	1	1	1	1	1
5D,K	**9428477**	PLUG, CUP 15/16" DIA. (3.4030)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	5122782	* SHAFT AND CARRIER ASSY., 2,3,4-53 (5100061)	1											
	5100061	SHAFT AND CARRIER ASSY., 2,3,4-53		1	1	1	1	1						
	5125042	@ SHAFT AND CARRIER ASSY., 2,3,4-53							1	1	1	1		
	5125043	@ SHAFT AND CARRIER ASSY., 2,3,4-53											1	1
	110529	SCREW, #10-24X1/4" SL. (12.9300)	1	1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT (CONT'D)												
		* NOT SERVICED COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
		@ NOT SERVICED, LISTED FOR REFERENCE ONLY. USE COMPONENTS.												
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	**5122738**	SPACER (BETWEEN GEAR AND BEARING)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING												
	5152716	* COVER, 2,3,4-53 (3.4223)											1	1
	186625	* BOLT, 5/16"-18X7/8" (12.9001)											3	3
	103320	* LOCKWASHER, 5/16" (12.9200)											3	3
		* REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER												
	5150193	* GASKET (5.1010)											1	1
		* REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5183704**	SPRING, 2, 3, 4-53 (2 YELLOW STRIPES)	1	1				1						
	5122165	SPRING, 2, 3, 4-53 (1 BLUE STRIPE)			1	1	1							
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
	5126272	SPRING, 2,3,4-53 (ONE ORANGE STRIPE)	1	1			1	1						
	5129307	SPRING, 2,3,4-53 (THREE RED STRIPES)							1	1				
	5182560	SPRING, 2,3,4-53 (WIDE RED STRIPE)			1	1								
	5129071	@ SPRING, 2,3,4-53(THREE BLUE STRIPES)	1	1	1	1	1	1						
		@ OBSOLETE.												
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G	**5182555**	PLUNGER, 2,3,4-53			1	1								
	5126135	PLUNGER, 2,3,4-53	1	1			1	1						
		2.7563 - PLUNGER, GOVERNOR HIGH SPEED SPRING												
	5125418	PLUNGER							1	1				
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5G	**5150892**	SEAT	1	1	1	1	1	1						

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2.7000A MECHANICAL GOVERNOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	**5103975**	CAP	1	1	1	1	1	1						
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
	5101432	PIN, 3.98"L.			1	1								
	5102270	SCREW, 1/4"-28X1" (12.9076)			1	1								
	5150891	+ SCREW, 2,3,4-53	1											
	5130034	* SCREW, 2,3,4-53		1			1	1						
5G	**114492**	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1						
		* NOT SERVICED, USE 5102256 PLUS 5101798.												
		+ NOT SERVICED, USE 5102270 PLUS 5101798.												
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
	5150947	SHIM, .010"	AR	AR			AR	AR						
	5151249	SHIM, .078"	AR	AR			AR	AR						
	5123922	SHIM, .010"							AR	AR				
	5123923	SHIM, .100"							AR	AR				
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G	**5182557**	RETAINER, 2,3,4-53			1	1								
	5174436	RETAINER, 2,3,4-53	1					1						
	5113867	RETAINER, 2,3,4-53							1	1				
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING												
	5125603	PISTON							1	1				
	5125604	SPACER, PISTON							1	1				
	5133752	RING, PISTON SEAL							1	1				
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5G	**5186115**	LOCKNUT			1	1								
		2.7620 - GUIDE, GOVERNOR SPRING												
	5124551	GUIDE							1	1				
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
	5131132	COVER, 2,3,4-53	1	1			1	1						
	5125449	COVER, 2,3,4-53							1	1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2											
	274386	BOLT, 5/16"-18X3 1/4" (12.9001)							2	2				
	103320	LOCKWASHER, 5/16" (12.9200)							2	2				

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G	**5182559**	HOUSING, 2,3,4-53			1	1								
	5125419	HOUSING, 2,3,4-53							1	1				
	5127189	RING, PISTON BLOCKING							1	1				
	220623	BOLT, 5/16"-18X3/4" DRILLED HD.		2			2	2						
	445520	BOLT, 5/16"-18X3 1/2" (12.9001)			2	2								
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2						
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G	**8922593**	GASKET	1	1	1	1	1	1	2	2				
		2.7655 - SCREW, GOVERNOR HIGH SPEED CONTROL												
	9414499	SCREW, 5/16"-24X1 1/2" SKT. SET (12.9076)							1	1				
	5125450	PLUG, 5/8" SKT. DRILLED HD. (2.7630)							1	1				
	5156768	GASKET, 21/32" (COPPER) (4.4170)							1	1				
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5D	**5177083**	SCREW ASSY., 2,3,4-53 (INCLUDES SPRING)	1		1	1					1	1	1	1
5D	**5139678**	SCREW ASSY., 2,3,4-53 (INCLUDES SPRING)		1			1	1						
	5183773	# SCREW ASSY., 2,3,4-53 (INCLUDES SPRING)									1	1	1	1
	5155596	# WASHER, 5/16" (COPPER) (4.7190)									2	2	2	2
	5174286	# NUT (12.9140)									1	1	1	1
	124925	NUT, 3/8"-24 (12.9120)	1	1	1	1	1	1			1	1	1	1
		# USE WITH UPPER CONTROL HOUSING LUBRICATION TUBE ONLY.												
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
7A	**5122797**	LINK, 2,3,4-53 (A & C ENG.)	1	1	1	1	1	1	1	1				
7A	**5122798**	LINK, 2,3,4-53 (B & D ENG.)	1	1	1	1	1	1	1	1				
	5125322	LINK, 2,3,4-53 (A ENG.)										1		1
	5125689	LINK, 2,3,4-53 (B ENG.)										1		1
	5125323	LINK, 2,3,4-53 (C ENG.)									1		1	
	5125688	LINK, 2,3,4-53 (D ENG.)									1		1	
	5125571	CLIP, SHUTDOWN CABLE (ON LINK)									1	1	1	1
	5125518	JOINT, 1/4" BALL (2.8940)									1	1	1	1
	142583	RETAINER, SPRING 13/64" (12.9640)	1	1	1	1	1	1	1	1				
7A,B	**114783**	PIN, 1/4"X51/64" CLEVIS (12.9260)	1	1	1	1	1	1	1	1	1	1	1	1
7A,B	**103361**	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1	1	1	1	1	1	1	1	1
	5150941	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1				
	114492	LOCKNUT, 1/4"-28 (12.9120)									1	1	1	1
		2.7820 - LEVER, GOVERNOR TO INJECTOR LINK												
5K	**5125278**	LEVER ASSY. (A & B ENG.)										1		1
5K	**5125277**	LEVER ASSY. (C & D ENG.)									1		1	
5K	**5125107**	SPRING									1	1	1	1
5K	**5122732**	RING, SNAP (2.7150)									1	1	1	1
5K	**5126243**	WASHER, SPRING									1	1	1	1

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
4A	5116262	ADAPTOR (IN HEAD) (PLAIN END)	1	1	1	1	1	1	1	1				
4A	5121252	ADAPTOR (IN HEAD) (HEADED END)									1	1	1	1
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129705	HOSE, 7/8" I.D.X.76" L. (LEFT BANK OR B & D ENG.)	1	1		1	1	1	1	1				
	5129707	HOSE, 7/8" I.D.X1.26" L. (A & C ENG.)	1	1	1	1	1	1	1	1				
7A	5121385	BOOT									1	1	1	1
	272855	CLAMP, HOSE (SPRING, 1 1/4") (A & C ENG.) (12.9660)	2	2	2	2	2	2	2	2	2			
	5186840	CLAMP, HOSE 1 3/16" (12.9660)	1	1		1	1	1	1	1	1	1	1	1
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5109785	+ * TUBE ASSY., 2,3,4-53 (DEV. L. 10.48") (WEIGHT HOUSING)	1	1	1	1	1	1	1	1	1	1	1	1
	5129726	@ TUBE ASSY., 2,3,4-53 (DEV. L. 11.36") (WEIGHT HOUSING)	1	1	1	1	1	1	1	1	1	1	1	1
5D	5144695	TUBE ASSY., 2,3,4-53 (DEV. L. 8.08) (TEE TO CONTROL HOUSING)(A & B ENG.)							1	1				
5D	5143990	TEE, 1/4"-1/4" TUBE X 1/8" PIPE (IN WEIGHT HOUSING)							1	1				
5D	5166265	ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	8924170	CONNECTOR, 1/4" TUBE X 1/8" PIPE (12.9460)	AR	1	1	1	1	1	1	1	1	1	1	1
	443762	* EXTENSION, 1/8" PIPE (12.9540)	AR	1	1	1	1	1	1	1	1	1	1	1
		* EFFECTIVE WITH 3D-3392.												
		@ THRU 3D-3391.												
		+ OBSOLETE.												
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5147598	SPRING (TORSION) (A & B ENG.)							1	1				
		2.7920 - VALVE, GOVERNOR DUAL SPEED CONTROL SOLENOID												
	5124545	VALVE (220V., AC)							1					
	132908	BOLT, #10-32X1/2" (12.9025)							1					
	120217	LOCKWASHER, #10 (12.9200)							1					
	120614	NUT, #10-32 (12.9120)							1					
		2.7922 - BRACKET, GOVERNOR SOLENOID VALVE MOUNTING												
	5125991	BRACKET							1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)							2					
	103321	LOCKWASHER, 3/8" (12.9200)							2					

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7925 - TUBE, SOLENOID VALVE SUPPLY												
	5125882	TUBE ASSY.							1					
	8924215	ELBOW, 90 DEG.-5/16" INV. FL. TUBE (12.9480)							1					
	8924153	ELBOW, 5/16" INV. FL. TUBE (12.9480)							1					
		2.7927 - TUBE, SOLENOID VALVE TO GOVERNOR												
	5125932	TUBE ASSY.							1					
	8924215	ELBOW, 90 DEG.-5/16" INV. FL. TUBE (12.9480)							1					
	8925609	CONNECTOR, 5/16" INV. FL. TUBE X 1/8" PIPE (12.9460)							1					
		2.7928 - CLIP, SOLENOID VALVE TUBE												
	3223241	CLIP (2.5220)							2					
	123435	BOLT, 1/4"-28X5/8" (12.9001)							1					
	103319	LOCKWASHER, 1/4" (12.9200)							1					
	121902	NUT, 1/4"-28 (12.9120)							1					
		2.7930 - TUBE, SOLENOID VALVE DRAIN												
	5129448	* TUBE ASSY., HEAD TO TEE (DEV. L. 10.54")							1					
	5126395	TEE, 1/8" PIPE (7.4596)							1					
		* NOT SERVICED, USE 5199575 BULK HOSE, (2) 5199588 FITTINGS AND SD-29.												
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL	AR	AR	AR	AR	AR	AR						
		2.7960 - GEAR, GOVERNOR DRIVE												
5B	5116025	* GEAR, 3, 4-53 RA, RB, LC, LD (RH HELIX; 49 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
	5107076	+ GEAR, 3, 4-53 RA, RB, LC, LD (RH HELIX; 56 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
	8927961	@ GEAR, 3-53 (R.H. HELIX-56 TEETH, STAMPED 8927961)	1	1	1	1	1	1	1	1	1	1	1	1
5B	5116026	* GEAR, 3, 4-53 RC, RD, LA, LB (LH HELIX; 49 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
	5107077	+ GEAR, 3, 4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
	8924991	@ GEAR, 3-53 (L.H. HELIX-56 TEETH; STAMPED 8924991)											1	
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1	1	1
	9434177	NUT, 5/8"-18 LOCK (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1
		* THRU 3D-170682 AND 4D-180938.												
		+ EFF. WITH 3D-170683 AND 4D-180939.												
		@ EFF. WITH 3D-193526 FOR TURBO APPLICATIONS ONLY.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 573	587	588	589	590	591	592	593	594	595	596	597
		2.7975 - BRACKET, THROTTLE BOOSTER SPRING												
5K	**5125407**	BRACKET (C & D ENG.)									1		1	
5K	**5125408**	BRACKET (A & B ENG.)										1		1
5K	**122007**	BOLT, 5/16"-18X3/4" (12.9001)									1	1	1	1
	120214	LOCKWASHER, 5/16" (12.9200)									1	1	1	1
		2.7980 - SPRING, THROTTLE BOOSTER												
5K	**5125426**	SPRING (2.7174)									1	1	1	1
		2.7982 - EYE, THROTTLE BOOSTER ADJUSTING												
5K	**5124976**	SCREW (2.7170)									1	1	1	1
	120393	WASHER, 5/16" (12.9190)									2	2	2	2
5K	**114493**	LOCKNUT, 5/16"-24 (2.7170)									2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
	2.7001	**- GOVERNOR ASSY.**												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7002, 2.7045 THRU 2.7810 EXCEPT 2.7165, 2.7520, 2.7530 AND 2.7740. CLOSED LINKAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS DO NOT INCLUDE ITEMS IN 2.7470.												
	5129806	# GOVERNOR ASSY., 2, 3, 4-53 (LIMITING) (5107130)	1											
	5129809	# GOVERNOR ASSY. 2, 3, 4-53 (VARIABLE) (5107139)		1										
	5129810	# GOVERNOR ASSY. 2, 3, 4-53 (VARIABLE) (5107142)			1									
	5129811	# GOVERNOR ASSY., 3, 4-53 (VARIABLE) (5107139)				1								
	5129812	# GOVERNOR ASSY., 3, 4-53 (VARIABLE) (5107142)					1							
	5129813	# GOVERNOR ASSY. 2, 3, 4-53 VARIABLE (5107139)						1						
	5129814	# GOVERNOR ASSY. 2, 3, 4-53 VARIABLE (5107142)							1					
	5129817	# GOVERNOR ASSY. 2, 3, 4-53 VARIABLE (5107141)								1				
	5116006	# GOVERNOR ASSY., 6V53 LIMITING (5103783)									1			
	5129815	# GOVERNOR ASSY. 2, 3, 4-53 VARIABLE (5107139)										1		
	5131362	# GOVERNOR ASSY., 2, 3, 4-53 VARIABLE (5107145)											1	
	5128776	# GOVERNOR ASSY., 6V53 (LIMITING) (5103782)												1
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	2	2	2	2	2	2	2	2		2	2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2	2	2	2		2	2	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)									6			6
	9414285	BOLT, 3/8"-24X7/8" (12 PT. HD.)	3	3	3	3	3	3	3	3		3	3	
	5145225	WASHER, 3/8" COPPER (12.9190)	3	3	3	3	3	3	3	3		3	3	
	9414322	WASHER, 3/8" (12.9190)	2	2	2	2	2	2	2	2		2	2	
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2		2	2		
	103321	LOCKWASHER, 3/8" (12.9200)									6			6
		# NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
	2.7002	**- NAME PLATE, GOVERNOR**												
	5105180	NAME PLATE (PORTUGESE)	1											
	2.7010	**- GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE**												
5B	**5116336**	GASKET, 2,3,4-53	1	1	1	1	1	1	1	1		1	1	
	5121345	GASKET, 6V53 (TO END PLATE)									1			1
5J	**5119438**	GASKET, 6V53 (TO BLOWER)									1			1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126983	% COVER ASSY., 2, 3, 4-53 (LIMITING) (C & D ENG.) (PAGE B1) (5107126)	1											
	5126432	COVER ASSY., 2,3,4-53 (VARIABLE) (C & D ENG.) (PAGE A1)		1		1		1				1	1	
	5126433	COVER ASSY., 2,3,4-53 (VARIABLE) (A & B ENG.) (PAGE A1)			1		1		1	1				
	5129682	% COVER ASSY., 6V53 (LIMITING) (PAGE B1) (5103748)									1			
	5101768	RETAINER		1	1	1	1	1	1	1		1	1	
5J	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (W/LW) (12.9010)	4	3	3	3	3	3	3	3	8	3	3	8
	453007	SCREW, 1/4"-20X1" (W/LW)		1	1	1	1	1	1	1		1	1	
		% FOR SERVICE, USE PART NUMBER SHOWN IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER												
5E,H	**5122742**	GASKET, 2,3,4-53	1	1	1	1	1	1	1	1		1	1	
5J	**5121342**	GASKET, 6V53									1			1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5H,J	**5183042**	LEVER (2.9410)	1								1			1
5H,J	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	1								1			1
5H,J	**103319**	LOCKWASHER, 1/4" (12.9200)	1								1			1
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
5E,H	**5107147**	LEVER, 2,3,4-53 (2.9361)	1	1	1	1	1	1	1	1		1	1	
	5109382	LEVER, 6V53									1			1
	5120069	LEVER, 2,3,4-53 (2.9340)		1										
5E,J	**186647**	BOLT, 1/4"-20X1" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
5E,J	**120380**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
5K	**114493**	LOCKNUT, #12-24 (2.7170)	2	2	2	2	2	2	2	2				
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5D	**5122756**	# HOUSING, 2,3,4-53 (C & D ENGINE) (5144090)	1	1		1		1				1	1	
5D	**5122757**	# HOUSING, 2,3,4-53 (A & B ENGINE) (5144089)			1		1		1	1				
5D	**5144089**	HOUSING, 2,3,4-53 (A & B ENGINE)		1		1		1				1	1	
5D	**5144090**	HOUSING, 2,3,4-53 (C & D ENGINE)	1		1		1		1	1				
5J	**5121001**	HOUSING ASSY., 6V53 (INCLUDES ITEMS IN 2.7230 THRU 2.7300.)									1			1
5J	**5116071**	PIN (TO CYLINDER BLOCK END PLATE)									1			1
5J	**141242**	PIN, DOWEL 3/8"X7/8" (TO BLOWER)									2			2
5J	**5119314**	PIN, 3/8"X1.68" (CONTROL LINK LEVER SHAFT)									1			1
5J	**5150942**	PIN, DOWEL (COVER ALIGNING)									2			2
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9330)									1			1
	9417025	PLUG, 1 3/4" EXPANSION (REAR OF HOUSING)									1			1
5M	**5116262**	ADAPTOR, INJECTOR CONTROL LINK BOOT 2,3,4-53 (2.7830)	1	1	1	1	1	1	1	1		1	1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL (CONT'D)												
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V53									2			2
		# NOT SERVICED; REPLACE WITH NUMBER IN PARENTHESES AND INCLUDE (1) 8924749 PLUG.												
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		INCLUDES ITEMS IN 2.7255, BEARING IN 2.7260 AND 2.7280.												
	5122752	SHAFT ASSY., 2,3,4-53 (C & D ENG.)	1	1		1		1				1	1	
	5122753	SHAFT ASSY., 2,3,4-53 (A & B ENG.)			1		1		1	1				
	5121458	SHAFT ASSY., 6V53									1			1
		2.7255 - SHAFT, GOVERNOR OPERATING												
5D	**5122751**	SHAFT, 2,3,4-53	1	1	1	1	1	1	1	1		1	1	
5J	**5121339**	SHAFT, 6V53									1			1
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	**5122754**	TUBE	1	1	1	1	1	1	1	1		1	1	
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	**9431894**	BEARING	1	1	1	1	1	1	1	1		1	1	
5D,J	**9421917**	SCREW, #10-24X7/16" (WITH LOCKWASHER) (12.9025)	1	1	1	1	1	1	1	1	1	1	1	1
5D,J	**120391**	WASHER, #10 (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5D,K	**9431887**	BEARING, 2,3,4-53 (8.3440)	1	1	1	1	1	1	1	1		1	1	
5J	**954987**	BEARING, 6V53									1			1
5D,K	**9413284**	RING, SNAP (TO HOUSING)	1	1	1	1	1	1	1	1		1	1	
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER												
		A LEVER ASSY. INCLUDES PIN 2.7300.												
5A	**5122749**	LEVER ASSY., 2,3,4-53 (C & D ENG.)	1	1		1		1				1	1	
5D	**5122750**	LEVER ASSY., 2,3,4-53 (A & B ENG.)			1		1		1	1				
5J	**5116011**	LEVER ASSY., 6V53									1			1
5D,J	**5150898**	SCREW (GAP ADJUSTING)	1	1	1	1	1	1	1	1	1	1	1	1
5D,J,M	**114492**	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5D	**5122741**	FORK, 2,3,4-53	1	1	1	1	1	1	1	1		1	1	
5J	**5185605**	FORK, 6V53									1			1
5D	**9425382**	SCREW, #10-32X5/8" (12.9001)	2	2	2	2	2	2	2	2		2	2	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5D	**5122746**	PIN, 2,3,4-53	1	1	1	1	1	1	1	1		1	1	
5J,M	**5150943**	PIN, 6V53									1			1
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL												
		A LEVER ASSY. INCLUDES PIN IN 2.7315.												
5D	**5126311**	LEVER ASSY., 2,3,4-53 (LIMITING)	1											
5D	**5122743**	LEVER ASSY., 2,3,4-53 (VARIABLE)		1	1	1	1	1	1	1		1	1	
5J	**5124209**	LEVER ASSY., 6V53									1			1
5D,J,M	**5150941**	WASHER, 21/64"	1	1	1	1	1	1	1	1	1	1	1	1
5D,J,M	**142583**	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5D	**5126310**	PIN, 2,3,4-53 (LIMITING)	1											
5D	**5122745**	PIN, 2,3,4-53 (VARIABLE)		1	1	1	1	1	1	1		1	1	
5J	**5150943**	PIN, 6V53 (2.7300)									1			1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
5J	**5121490**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)									1			1
5J,M	**9437946**	BEARING, NEEDLE (2.7440)									2			2
J,M	**5117693**	PIN, 1.00"L.									2			2
J	**148148**	RETAINER, 1/4" SPRING (12.9460)									1			1
5J	**5151487**	WASHER (2.7430)									2			2
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	**5129730**	HOUSING, 2,3,4-53 (C & D ENG.)	1	1		1		1				1	1	
5D,K	**5129731**	HOUSING, 2,3,4-53 (A & B ENG.)			1		1		1	1				
5K	**5119127**	BUSHING (WEIGHT SHAFT END)	1	1	1	1	1	1	1	1		1	1	
5D,K	**9428477**	PLUG, CUP 15/16" DIA. (3.4030)	1	1	1	1	1	1	1	1		1	1	
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5100061	SHAFT AND CARRIER ASSY., 2,3,4-53 (PAGE C1)	1											
	5125042	* SHAFT AND CARRIER ASSY., 2,3,4-53 (PAGE C1)		1	1			1	1	1				
	5125043	* SHAFT AND CARRIER ASSY., 2,3,4-53 (PAGE C1)				1	1					1	1	
	5133819	SHAFT AND CARRIER ASSY., 6V53 (PAGE C1)									1			1
	110529	SCREW, #10-24X1/4" FLAT HD. SL. (12.9300)	1	1	1	1	1	1	1	1		1	1	

* NOT SERVICED, LISTED FOR REFERENCE ONLY, USE COMPONENT PARTS.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5J	**907674**	BEARING									1			1
	5152462	PLUG, 1 1/8" EXPANSION (2.7230)									1			1
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	**5122738**	SPACER (BETWEEN GEAR AND BEARING)	1	1	1	1	1	1	1	1		1	1	
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING												
	5152716	# COVER (3.4223)				1	1							
	186625	# BOLT, 5/16"-18X7/8" (12.9001)				3	3							
	103320	# LOCKWASHER, 5/16" (12.9200)				3	3							
		# REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER												
	5150193	# GASKET (5.1010)				1	1							
		# REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5122165**	SPRING, 2, 3, 4-53 (1 BLUE STRIPE)	1											
5G,M	**5151604**	SPRING, 6V53 (ONE GREEN STRIPE)									1			1
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
	5182560	SPRING, 2,3,4-53 (WIDE RED STRIPE)	1											
5G	**5124415**	SPRING, 6V53 (ONE WHITE STRIPE)									1			
5G	**5131541**	SPRING, 6V53 (ONE RED AND GREEN STRIPE)												1
	5129071	* SPRING, 6V53 (THREE BLUE STRIPES)									AR			AR
		* OBSOLETE.												
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G,M	**5182555**	PLUNGER, 2,3,4,6V53	1								1			
5G	**5126135**	PLUNGER, 6V53												1
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5G,M	**5150892**	SEAT	1								1			1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	**5103975**	CAP	1								1			1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
	5101432	PIN, 3.98"L.	1								1			
	5102270	SCREW, 1/4"-28X1" HEX. SOC.(12.9076)	1								1			
5G	**5150891**	+ SCREW												1
5G,M	**114492**	LOCKNUT, 1/4"-28 (12.9120)	1								1			1
		+ NOT SERVICED, USE 5102270 AND 5101798.												
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
5G	**5150947**	SHIM, .010"												AR
5G	**5151249**	SHIM, .078"												AR
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G,M	**5182557**	RETAINER, 2,3,4,6V53	1								1			
5G	**5174436**	RETAINER, 6V53												1
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5G	**5186115**	LOCKNUT	1								1			
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
5G	**5131132**	COVER												1
5G	**179816**	BOLT, 5/16"-18X3/4" (12.9001)												2
5G	**5155596**	WASHER, 5/16" COPPER (4.7120)												2
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G,M	**5182559**	HOUSING	1								1			
5G,M	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)	2								2			
5G	**103320**	LOCKWASHER, 5/16" (12.9200)	2								2			
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G,M	**8922593**	GASKET	1								1			1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5127654	* HOUSING ASSY., 2, 3, 4-53 (PAGE E1) (5139262)		1		1								
	5127655	* HOUSING ASSY., 2,3,4-53 (PAGE E1) (5139662)			1		1							
	5126841	* HOUSING ASSY., 2,3,4-53 (PAGE E1) (5139262)						1				1		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING (CONT'D)												
	5126842	* HOUSING ASSY., 2,3,4-53 (PAGE E1) (5139662)							1					
	5129660	* HOUSING ASSY., 2,3,4-53 (PAGE E1) (5144095)								1				
	5126121	* HOUSING ASSY., 2,3,4-53 (PAGE E1) (5139263)											1	
5F	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)		2	2	2	2	2	2	2		2	2	
5F	**103320**	LOCKWASHER, 5/16" (12.9200)		2	2	2	2	2	2	2		2	2	
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INC ORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**8922593**	GASKET (2.7650)		1	1	1	1	1	1	1		1	1	
		2.7740 - LEVER, GOVERNOR VARIABLE SPEED CONTROL												
	5151519	LEVER (2.7170)							1					
	186647	BOLT, 1/4"-20X1" (12.9001)							1					
	120380	LOCKWASHER, 1/4" (12.9200)							1					
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	**5127397**	SPRING (TWO LIGHT BLUE STRIPES)		1	1	1	1	1	1	1		1	1	
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5162661**	PLUNGER		1	1	1	1	1	1	1		1	1	
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
5F	**5130093**	GUIDE		1	1	1	1	1	1	1		1	1	
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5137276**	RETAINER		1	1	1	1	1	1	1		1	1	
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
5F	**5171784**	STOP (WITH STEP)		1	1	1	1	1	1	1		1	1	
5F	**5174430**	STOP (WITH GAP)		1	1	1	1	1	1	1		1	1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5F	5136590	SHIM, .010"		6	6	6	6	6	6	6		6	6	
5F	5136591	SHIM, .078"		3	3	3	3	3	3	3		3	3	
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5D	5183773	SCREW ASSY., 2,3,4-53 (INCLUDES SPRING)		1	1	1	1	1	1	1		1	1	
5J	5172383	SCREW ASSY., 6V53 (INCLUDES SPRING)	1								1			1
5D	5174286	NUT, 3/8"-24 (PERMA-TITE) (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
7A	5122797	LINK, 2,3,4-53 (A & C ENGINE)	1	1	1	1	1	1	1	1		1	1	
7A	5122798	LINK, 2,3,4-53 (B & D ENGINE)	1	1	1	1	1	1	1	1				
	5121453	LINK, 6V53 (LEFT BANK, UPPER)									1			1
	5121452	LINK, 6V53 (RIGHT BANK, UPPER)									1			1
	5121472	LINK, 6V53 (LOWER)									2			2
7A	114783	PIN (LINK TO INJECTOR CONTROL TUBE LEVER)	1	1	1	1	1	1	1	1	2	1	1	2
7A	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1	1	1	1	1	2	1	1	2
	5150941	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1		1	1	
	142583	RETAINER, SPRING 13/64" (12.9640)	1	1	1	1	1	1	1	1		1	1	
	454750	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOWER LINK) (12.9120)									2			2
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5116262	ADAPTOR (IN HEAD) (PLAIN END)	1	1	1	1	1	1	1	1	2	1	1	2
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129705	HOSE, 13/16" I.D.X.76" L. (LEFT BANK OR B & D ENGINES) 2, 3, 4, 6V53	1	1	1	1	1	1	1	1	1			1
	5129707	HOSE, 13/16" I.D.X1.12" L. (A & C ENG.) 2, 3, 4-53	1	1	1	1	1	1	1	1		1	1	
	5129706	HOSE, 13/16" I.D.X1.62"L. (RIGHT BANK) 6V53									1			1
	5126072	HOUSING, LINK (LEFT BANK)									1			1
	272855	CLAMP, HOSE (SPRING, 1/4") (A & C ENGINES) (12.9660)	2	2	2	2	2	2	2	2	2	2	2	2
	5186840	CLAMP, HOSE (13/16"-1 1/2" RANGE) (12.9660)	1	1	1	1	1	1	1	1	4			4
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5109785	% * TUBE ASSY., 2, 3, 4-53 (WEIGHT HOUSING; DEV. L. 11.36")	1	1	1	1	1	1	1	1				
	5129726	@ TUBE ASSY., 2,3,4-53 (WEIGHT HOUSING)	1	1	1	1	1	1	1	1		1	1	
5D	5144695	TUBE ASSY., 2,3,4-53 (A & B ENG.) (TEE TO CONTROL HOUSING)	1	1		1		1				1	1	
5D	5144093	TUBE ASSY., 2,3,4-53 (C & D ENG.) (TEE TO CONTROL HOUSING)			1		1		1	1				

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 598	599	600	601	602	603	604	605	613	665	671	677
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION (CONT'D)												
5D	**5143990**	TEE, 1/4"-1/4"X1/8" PIPE (IN WEIGHT HOUSING)	1	1	1	1	1	1	1	1		1		1
5D	**5166265**	ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)	1	1	1	1	1	1		1		1		
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1	1	1	1	1	1	1	1		1	1	
	443762	* EXTENSION, 1/8" PIPE	1	1	1	1	1	1	1					
		* THRU 3D-3391. @ EFFECTIVE WITH 3D-3392. % OBSOLETE.												
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5146132	SPRING, 2,3,4-53 (TORSION) (C & D ENG.)		1		1		1				1	1	
	5147598	SPRING, 2,3,4-53 (TORSION) (A & B ENG.)			1		1		1	1				
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL	1								1			1
		2.7960 - GEAR, GOVERNOR DRIVE												
5B	**5116025**	* GEAR, 2, 3, 4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)	1	1	1	1	1	1	1	1		1	1	
	5107076	+ GEAR, 3, 4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)	1	1	1	1	1	1	1	1		1	1	
5B	**5116026**	* GEAR, 2, 3, 4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)	1	1	1	1	1	1	1	1		1	1	
	5107077	+ GEAR, 3, 4-53 RC, RD, LA, LB (LH HELIX; 56 TEETH)	1	1	1	1	1	1	1	1		1	1	
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1		1	1	
	9434177	NUT, 5/16"-18 LOCK (12.9140)	1	1	1	1	1	1	1	1		1	1	
		* THRU 3D-170682 AND 4D-180938. + EFF. WITH 3D-170683 AND 4D-180939.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6V-53 696	6V-53 699	6V-53 710	6V-53 720	6V-53 741	6V-53 748	6V-53 767	6V-53 790	8V-53 805	8V-53 806	8V-53 825	8V-53 828
		2.7001 - GOVERNOR ASSY.												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7002, 2.7045 THRU 2.7810 EXCEPT 2.7165, 2.7520, 2.7530 AND 2.7740. CLOSED LINKAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS DO NOT INCLUDE ITEMS IN 2.7470.												
	5132198	% GOVERNOR ASSY., 3-53 (CONSTANT SPEED, SINGLE RANGE) (5143809)	1											
	5128776	% GOVERNOR ASSY., 6V53 (LIMITING) (5103782)		1	1		1							
	5129826	# GOVERNOR ASSY., 2-53 (CONSTANT SPEED, SINGLE RANGE)				1								
	5132811	% GOVERNOR ASSY., 8V53 (LIMITING) (5136829)						1						
	5134910	# GOVERNOR ASSY., 2-53 (LIMITING)							1					
	5135885	% GOVERNOR ASSY., 4-53 (LIMITING) (5107144)								1				
	5134683	% GOVERNOR ASSY., 6V53 (VARIABLE) (5103794)									1			
	5136304	GOVERNOR ASSY., 2-53 (LIMITING)										1		
	5136830	GOVERNOR ASSY., 8V53 (VARIABLE)											1	
	5129825	GOVERNOR ASSY., 2-53 (CONSTANT)												1
	186629	BOLT, 5/16"-18X1" (12.9001)						1					1	
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	2			2			2	2		2		2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2			2			2	2		2		2
5M	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)						4					4	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		6	6		6				6			
5M	**450517**	BOLT, 3/8"-16X4 3/4" (12.9001)						1					1	
M	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)						1					1	
M	**215510**	BOLT, 3/8"-16X5 3/4" (12.9001)						1					1	
	9414285	BOLT, 3/8"-24X7/8" (12 PT. HD.) (12.9001)	3			3			3	3		3		3
5M	**179857**	BOLT, 7/16"-14X7/8" (12.9001)						2					2	
	120393	WASHER, 5/16" (12.9190)						1					1	
	5155596	WASHER, 5/16" COPPER (12.9190)										2		
	5145225	WASHER, 3/8" COPPER (12.9190)	3			3			3	3		3	4	3
	9414322	WASHER, 3/8" (12.9190)	2			2			2	2		2		2
5M	**5152148**	WASHER, 3/8" COPPER (2.4050)						4						
	103341	WASHER, 3/8" (12.9190)									6			
	103342	WASHER, 7/16" (12.9190)						2					2	
	103320	LOCKWASHER, 5/16" (12.9200)	2			2			2	2				2
	103321	LOCKWASHER, 3/8" (12.9200)		6	6		6	3			6		3	
5M	**103322**	LOCKWASHER, 7/16" (12.9200)						2					2	
		# NOT SERVICED COMPONENTS ARE AVAILABLE.												
		% NOT SERVICED, FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES.												
		2.7002 - NAME PLATE, GOVERNOR												
	5122166	NAME PLATE			1					1	1	1	1	1
	145369	SCREW, #4X3/16 RD. HD. DR. (12.9067)			2					2	2	2	2	2
		2.7005 - COVER, GOVERNOR BREATHER HOLE												
	5144203	% COVER, 8V53						1					1	
	180021	% BOLT, 1/4"-20X7/8" (12.9001)						7					7	
	120392	% WASHER, 1/4" (12.9190)						7					7	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 696	699	710	720	741	748	767	790	805	806	825	828
		2.7005 - COVER, GOVERNOR BREATHER HOLE (CONT'D)												
	103319	% LOCKWASHER, 1/4" (12.9200)						7					7	
		% NOT REQUIRED WHEN BREATHER ATTACHES TO GOVERNOR.												
		2.7006 - GASKET, GOVERNOR BREATHER HOLE COVER												
	5132774	% GASKET, 8V53 (4.8070)						1					1	
		% NOT REQUIRED WHEN BREATHER ATTACHES TO GOVERNOR.												
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE												
5B	5116336	GASKET, 2,3,4-53	1			1			1	1		1		1
	5121345	GASKET, 6V53 (TO END PLATE)		1	1		1				1			
5J	5119438	GASKET, 6V53 (TO BLOWER)		1			1				1			
5M	5132765	GASKET, 8V53 (TO BLOWER) (3.4190)						1					1	
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126432	COVER ASSY., 3,4-53 (VARIABLE) (C & D ENG.) (PAGE A1)	1							1				
	5126433	COVER ASSY., 2-53 (VARIABLE) (A & B ENG.) (PAGE A1)				1								1
	5129682	# COVER ASSY., 6V53 (LIMITING) (PAGE B1) (5103748)		1	1		1							
	5132809	COVER ASSY., 8V53 (LIMITING) (PAGE B1)						1						
	5126428	# COVER ASSY., 2-53 (LIMITING) (PAGE A1) (C & D ENG.) (5107124)							1					
	5126641	# COVER ASSY., 6V53 (VARIABLE) (PAGE A1) (5103752)									1			
	5107125	COVER ASSY., 2-53 (LIMITING) (A & B ENG.) (PAGE A1)										1		
	5134669	+ COVER ASSY., 8V53 (LIMITING) (PAGE B1)											1	
	5162762	+ BRACKET, 6V53 (TRANS. IDLER CONTROL LEVER)		1										
	5133266	+ BRACKET, 6V53 (TRANS. IDLER CONTROL LEVER)					1							
	5101768	RETAINER	1							1	1	1		
5M	5183701	SCREW, 1/4"-20X5/8" FIL. HD. (2.7812)						1						
5J	9417926	SCREW, 1/4"-20X3/4" FIL. HD. (W/LW) (12.9010)	3	8	8	4	8	7	4	3	5	3	8	4
	453007	SCREW, 1/4"-20X1" (W/LW) (12.9001)	1							1	1	1		
		+ OBSOLETE # NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER												
5E,H	5122742	GASKET, 2,3,4-53	1			1			1	1		1		1
5J	5121342	GASKET, 6V53		1	1		1				1			
5M	5132783	GASKET, 8V53						1					1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6966	6999	7110	7220	7411	7448	7667	7900	8005	8066	8255	8288
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5H,J	**5183042**	LEVER (2.9410)		1	1		1	1	1			1		
5H,J	**443603**	BOLT, 1/4"-20X3/4" (12.9001)		1	1		1	1	1			1		
5H,J	**103319**	LOCKWASHER, 1/4" (12.9200)		1	1		1	1	1			1		
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
5E,H	**5107147**	LEVER, 2,3,4-53 (2.9361)	1			1				1				1
	5130221	* LEVER, 6V53 (TRANSMISSION AND ACCELERATOR CONTROL)		1										
	5162717	* LEVER, 6V53		1			1							
	5133315	* LEVER, 6V53 (TRANSMISSION AND ACCELERATOR CONTROL)			1		1							
	5151519	LEVER, 6,8V53						1			1		1	
	5124371	LEVER, 2-53 (2.9410)							1			1		
	5130614	SPRING, 2-53 (2.9915)		1			1							
	179796	BOLT, 1/4"-20X7/8" (12.9001)		1			1							
5E,J	**186647**	BOLT, 1/4"-20X1" (12.9001)	1		1	1		1	1	1	1	1	1	1
5E,J	**120380**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
5K	**114493**	LOCKNUT, #12-24 (2.7170)												2
		* OBSOLETE												
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5D	**5122756**	# HOUSING, 2,3,4-53 (C & D ENGINE) (5144090)	1						1	1				
5D	**5122757**	# HOUSING, 2-53 (A & B ENGINE) (5144089)				1						1		1
5D	**5144089**	HOUSING, 2,4-53 (A & B ENGINE)							1	1				
5D	**5144090**	HOUSING, 2,3-53 (C & D ENGINE)	1			1						1		1
5J	**5121001**	HOUSING ASSY., 6V53 (INCLUDES ITEMS IN 2.7230 THRU 2.7300)		1	1		1							
5M	**5132810**	& HOUSING ASSY., 8V53 (INCLUDES COVER PINS AND BOOT ADAPTORS)						1					1	
	5134686	HOUSING ASSY., 6V53									1			
5J	**5116071**	PIN (TO CYLINDER BLOCK END PLATE)		1	1		1				1			
5J	**141242**	PIN, DOWEL 3/8"X7/8" (TO BLOWER)		2			2				2			
5J	**5119314**	PIN, 3/8"X1.68" (CONTROL LINK LEVER SHAFT)		1	1		1				1			
5J	**5150942**	PIN, DOWEL (COVER ALIGNING)		2	2		2	2			2		2	
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9330)		1	1		1				1			
	9417025	PLUG, 1 3/4" EXPANSION (REAR OF HOUSING)		1			1				1			
5M	**5136071**	PLUG, 3.86" DIA. CUP						1					1	
5M	**5116262**	ADAPTOR, INJECTOR CONTROL LINK BOOT, 2,3,4,6,8V53 (2.7830)	1			1		2	1	1	1	1	2	1
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V53		2	2		2							
		# NOT SERVICED REPLACE WITH NUMBER IN PARENTHESES AND INCLUDE 8924749 PLUG.												
		& NOT SERVICED REPLACE WITH 5136831 AND INCLUDE 5137183 BREATHER PAD.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6996	6999	7100	7200	7411	7488	7677	7900	8005	8006	8255	8288
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		INCLUDES ITEMS IN 2.7255, BEARING IN 2.7260 AND 2.7280.												
	5122752	SHAFT ASSY., 2,3-53 (C & D ENGINE)	1						1					1
	5122753	SHAFT ASSY., 2-53 (A & B ENGINE)				1						1		
	5121458	SHAFT ASSY., 6V53		1			1							
	5134684	SHAFT ASSY., 6V53 (C & D ENG.)									1			
		2.7255 - SHAFT, GOVERNOR OPERATING												
5D	**5122751**	SHAFT, 2,3,4-53	1			1			1	1		1		1
5J	**5121339**	SHAFT, 6V53		1	1		1							
	5134316	SHAFT, 6V53									1			
5M	**5133437**	SHAFT ASSY., 8V53 (INCLUDES INTEGRAL BEARINGS)						1					1	
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	**5122754**	TUBE, 2,3,4-53	1			1			1	1		1		1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	**9431894**	BEARING, 2,3,4,6V53	1	1	1	1	1		1	1		1		1
	9431896	BEARING, 6V53									1			
5D,J	**9421917**	SCREW, #10-24X7/16" (WITH LOCKWASHER) (12.9025)	1	1	1	1	1		1	1	1	1	1	1
5D,J	**120391**	WASHER, #10 (12.9190)	1	1	1	1	1		1	1	1	1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5D,K	**9431887**	BEARING, 2,3,4-53 (8.3440)	1			1			1	1		1		1
5J	**954987**	BEARING, 2,3,4-53		1	1		1				1			
5D,K	**9413284**	RING, SNAP (TO HOUSING)	1			1			1	1		1		1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5A	**5122749**	LEVER ASSY., 2,3,4-53 (C & D ENGINE)	1						1	1				1
5D	**5122750**	LEVER ASSY., 2-53 (A & B ENGINE)				1						1		
5J	**5116011**	LEVER ASSY., 6V53		1	1		1							
	5134685	LEVER ASSY., 6V53									1			
5M	**5132747**	LEVER, 8V53						1					1	
5D,J	**5150898**	SCREW, 2,3,4-53 (GAP ADJUSTING)	1			1			1	1		1		1
5M	**5132962**	SCREW, 6,8V-53 (GAP ADJUSTING)		1	1		1	1			1		1	
5D,J,M	**114492**	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5D	**5122741**	FORK, 2,3,4-53	1			1			1	1		1		1
	5138335	FORK, 6V53		1	1		1				1			
5M	**5133024**	FORK, 8V53						1					1	
	5134193	SPACER									1			
5D	**9425382**	SCREW, #10-32X5/8" (12.9001)	2			2			2	2		2		2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6 9 6	6 9 9	7 1 0	7 2 0	7 4 1	7 4 8	7 6 7	7 9 0	8 0 5	8 0 6	8 2 5	8 2 8
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5D	**5122746**	PIN	1			1			1	1		1		1
5J,M	**5150943**	PIN		1	1		1	1			1		1	
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL												
		A LEVER ASSY. INCLUDES PIN IN 2.7315.												
5D	**5126311**	LEVER ASSY., 2-53 (LIMITING)							1			1		
5D	**5122743**	LEVER ASSY., 2,3,4-53 (VARIABLE)	1			1				1				1
5J	**5124209**	LEVER ASSY., 6V53		1	1		1				1			
5M	**5150394**	LEVER ASSY., 8V53						1					1	
5D,J,M	**5150941**	WASHER, 21/64"	1	1	1	1	1	1	1	1	1		1	1
5D,J,M	**142583**	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING												
5M	**5132755**	LINK						1					1	
5M	**5150941**	WASHER (2.7310)						1					1	
5M	**142583**	RETAINER, 13/64" SPRING (12.9640)						1					1	
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5D	**5126310**	PIN, 2-53 (LIMITING SPEED)							1			1		
5D	**5122745**	PIN, 2,3,4-53 (VARIABLE SPEED)	1			1				1				1
5J	**5150943**	PIN, 6V53 (2.7300)		1	1		1				1			
5M	**5150894**	PIN, 8V53 (LIMITING SPEED)						1					1	
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
5J	**5121490**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)		1	1		1				1			
5M	**5127373**	LEVER ASSY., 8V53 (INCLUDES NEEDLE BEARINGS)						1					1	
5J,M	**9437946**	BEARING, NEEDLE (2.7440)		2			2	2			2		2	
5J,M	**5117693**	PIN, 1.00" L. 6,8V53		2	2		2	1			2		1	
5M	**5143866**	PIN, 3/8"X2" L. 8V53						1					1	
5M	**5127375**	PIN						1					1	
5M	**5122263**	CLIP (GOVERNOR CONTROL SHAFT LOCK)						1					1	
5J	**148148**	RETAINER, 1/4" SPRING (12.9460)		1	1		1				1			
5J	**5151487**	WASHER (2.7430)		2	2		2				2			
5M	**5150885**	WASHER (2.7430)						1					1	
5M	**9421917**	BOLT, #10-24X7/16" (WITH LOCKWASHER) (12.9025)						1					1	
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	**5129730**	HOUSING, 2,3,4-53 (C & D ENGINE)	1						1	1				
5D,K	**5129731**	HOUSING, 6,8V53 (A & B ENGINE)				1					1			1
	5116262	ADAPTOR 4-53 (GOVERNOR CONTROL LINK) (2.7830)								1				
5K	**5119127**	BUSHING (WEIGHT SHAFT END)	1			1			1		1			1
5D,K	**9428477**	PLUG, CUP 15/16" DIA. (3.4030)	1			1			1	1		1		1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6V96	6V99	6V710	6V720	8V741	8V748	8V767	8V790	8V805	8V806	8V825	8V828
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5125042	* SHAFT AND CARRIER ASSY., 2,3-53 (PAGE C1)	1			1								1
	5125043	* SHAFT AND CARRIER ASSY., 4-53 (PAGE C1)								1				
	5133819	SHAFT AND CARRIER ASSY., 6V53 (PAGE C1)		1	1		1							
	5133590	SHAFT AND CARRIER ASSY., 8V53 (PAGE C1)						1						
	5135002	* SHAFT AND CARRIER ASSY., 2-53 (PAGE D1)							1			1		
	5133832	SHAFT AND CARRIER ASSY., 6V53 (PAGE D1)									1			
	5134663	SHAFT AND CARRIER ASSY., 8V53 (PAGE D1)											1	
	110529	SCREW, #10-24X1/4" SL. (12.9300)	1			1			1	1		1		1
		* NOT SERVICED, LISTED FOR REFERENCE ONLY, USE COMPONENT PARTS.												
		2.7380 - RISER, GOVERNOR												
5M	**5132840**	RISER, 8V53						1					1	
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5J	**907674**	BEARING, 6V53		1	1		1							
5M	**907681**	BEARING, 6,8V53						1			1		1	
	5134662	RETAINER									1			
	5152462	PLUG, 1 1/8" EXPANSION (2.7230)		1	1		1				1			
	9421755	PLUG, CUP 1 3/8" (1.1001)									1			
5M	**5150884**	SCREW						1			1		1	
	9406762	SCREW									2			
5M	**5150941**	WASHER, 21/64" (2.7310)						1			1	1	1	
	446202	WASHER, 5/16" COPPER (12.9190)									2			
5M	**5150897**	LOCKWASHER						1			1		1	
	454750	NUT, 1/4"-28 (12.9120)									2			
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	**5122738**	SPACER (BETWEEN GEAR AND BEARING)	1			1			1	1		1		1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING												
5M	**5140533**	CAP						1					1	
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP												
5M	**5134092**	GASKET						1					1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6V6	6V9	7V10	7V20	7V41	7V48	7V67	7V90	8V05	8V06	8V25	8V28
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5183704**	SPRING, 2-53 (2 YELLOW STRIPES)							1			1		
5G,M	**5151604**	SPRING, 6,8V53 (ONE GREEN STRIPE)		1	1		1	1						
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5G	**5131541**	SPRING, 6V53 (ONE RED AND GREEN STRIPE)		1	1		1							
5G	**5124201**	SPRING, 3-53 (TWO WHITE STRIPES)	1											1
5G	**5153629**	SPRING, 2-53 (TWO ALUMINUM STRIPES)				1								
	5136160	SPRING, 8V53 (TWO PINK STRIPES)						1						
	5119570	SPRING, 2-53 (ONE RED AND YELLOW STRIPE)							1			1		
	5129071	* SPRING, 2,4,6,8V53 (THREE BLUE STRIPES)		1	1		1	1	1	1		1		
		* OBSOLETE.												
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G,M	**5182555**	PLUNGER, 8V53						1						
5G	**5126135**	PLUNGER, 2,6V53		1	1		1		1			1		
5G	**5125418**	PLUNGER, 2,3-53	1			1								1
	5117932	PLUNGER, 8V53											1	
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
G,M	**5150892**	SEAT, 2,6,8V53		1	1		1	1	1			1		
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	**5103975**	CAP, 2,6V53		1	1		1		1			1		
5M	**5102968**	CAP, 8V53						1						
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
5G,M	**5182556**	+ SCREW, 8V53						1						
	5101432	PIN, 3.98"L.						1						
	5102270	SCREW, 1/4"-28X1" (12.9076)						1						
5G	**5150891**	* SCREW, 2,6V53		1	1		1		1			1		
5G,M	**114492**	LOCKNUT, 1/4"-28 (12.9190)		1	1		1	1				1		
		+ NOT SERVICED, USE 5102270 AND 5101432.												
		* NOT SERVICED, USE 5102270 AND 5101798.												
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
5G	**5150947**	SHIM, .010"			AR		AR	AR	AR	AR		AR		AR
5G	**5151249**	SHIM, .078"			AR		AR	AR	AR	AR		AR		AR

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6966	6969	7110	7220	7411	7488	7667	7900	8055	8066	8255	8288
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G,M	**5182557**	RETAINER, 8V53						1						
5G	**5174436**	RETAINER, 2,3,6V53	1	1	1	1	1		1			1		1
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5M	**5182558**	LOCKNUT, 8V53						1						
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
5G	**5131132**	COVER, 2,3,6V53	1	1	1	1	1		1			1		1
5G	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	2	2	2	2	2		2			2		2
5G	**5155596**	WASHER, 5/16" COPPER (4.7120)	2	2	2	2	2							
	103320	LOCKWASHER, 5/16" (12.9200)							2			2		2
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G,M	**5182559**	HOUSING, 8V53						1						
5G,M	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)						2						
5M	**5155596**	WASHER, 5/16" COPPER (12.9190)						2						
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G,M	**8922593**	GASKET, 2,3,6V53	1	1	1	1	1		1			1		1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126842	* HOUSING ASSY., 8V53 (5139662) (PAGE E1)											1	
	5126121	* HOUSING ASSY., 6V53 (5139263) (PAGE E1)									1			
	5144097	HOUSING ASSY., 4-53 (PAGE F1)								1				
5F	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)								2	2		2	
5F	**103320**	LOCKWASHER, 5/16" (12.9200)								2	2		2	
		* NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INC ORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**8922593**	GASKET, 4,6,8V53 (2.7650)								1	1		1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6V96	6V69	7100	7201	7401	7448	7671	7900	8005	8006	8255	8288
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	5127397	SPRING, 4-53(TWO LIGHT BLUE STRIPES)								1				
	5134478	# SPRING, 6V53									1			
	5134483	# SPRING, 6V53									1			
	5122270	SPRING, 8V53											1	
	5133712	SPRING, 6V53									1			
		# NOT SERVICED, CONVERT TO (1) EACH 5133712 SPRING AND 5138331 PLUNGER AND REMOVE STOPS IN 2.7795.												
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
	5138331	PLUNGER, 6V53									1			
5F	5162661	PLUNGER, 4-53								1				
	5134194	& PLUNGER, 6V53									1			
		& NOT SERVICED; USE 5138331 PLUNGER AND 5133712 SPRING.												
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
5F	5152939	GUIDE, 2,6V53								1	1	1		
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
F	5137276	RETAINER, 4,6,8V53								1	1		1	
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
5F	5171784	* STOP, 4,6,8V53 (WITH STEP)								1	1		1	
5F	5174430	* STOP, 4,6,8V53 (WITH GAP)								1	1		1	
		* STOPS NOT REQUIRED WITH SINGLE SPRING DESIGN FOR TYPE 805.												
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5F	5136590	SHIM, .010"								6	6		6	
5F	5136591	SHIM, .078"								3	6		6	
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5D	5183773	SCREW ASSY., 4-53 (INCLUDES SPRING)								1				
5J	5172383	SCREW ASSY., 6V53 (INCLUDES SPRING)		1	1		1							
5M	5132757	SCREW ASSY., 8V53 (INCLUDES SPRING)						1					1	
	5126073	SCREW ASSY., 6V53 (INCLUDES SPRING)									1			
5D	5174286	NUT, 3/8"-24 (PERMA-TITE) (12.9140)		1	1		1	1		1	1		1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6996	6999	7110	7220	7441	7448	7667	7900	8005	8066	8255	8288
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
7A	5122797	LINK, 2,3,4-53 (A & C ENGINE)	1			1				1		1		1
7A	5122798	LINK, 2,3-53 (B & D ENGINE)	1			1			1					
	5121453	LINK, 6V53 (LEFT BANK, UPPER)		1	1		1				1			
	5121452	LINK, 6V53 (RIGHT BANK, UPPER)		1	1		1				1			
	5121472	LINK, 6,8V53 (LOWER)		2	2		2	2			2		2	
	5132784	LINK, 8V53 (LEFT BANK, UPPER)						1					1	
	5132785	LINK, 8V53 (RIGHT BANK, UPPER)						1					1	
7A	5147345	PIN (LINK TO INJECTOR CONTROL TUBE LEVER)	1	2	2	1	2	1	1	1	2	1	1	1
7A	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	2	2	1	1	4	1	1	1	1	4	1
	5150941	WASHER, 21/64" (2.7310)	1			1			1	1		1		1
	142583	RETAINER, SPRING 13/64" (12.9640)	1			1			1	1		1		1
	454750	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOWER LINK) (12.9120)		2	2		2	2			2		2	
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5116262	ADAPTOR (IN HEAD) (PLAIN END)	1	2	2	1	2	2	1	1	2	1	2	1
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129705	HOSE, 7/8"I.D.X.75"L. 2, 3, 6V53 (LEFT BANK OR B & D ENGINES)	1	1	1	1	1		1		1			
	5129707	HOSE, 7/8"I.D.X1.26"L. (A & C ENG.) 2, 3, 4-53	1			1				1		1		1
	5129706	HOSE, 7/8"I.D.X1.62"L. 6V53 (RIGHT BANK)		1	1		1				1			
	5132843	HOSE, 7/8"I.D.X1/2"L. 8V53						2					2	
	5126072	HOUSING, LINK (LEFT BANK) 6V53		1	1		1				1			
	272855	CLAMP, HOSE (SPRING, 1/4") (A & C ENGINES) (12.9660)	2	2	2	2	2			2		2		2
	5186840	CLAMP, HOSE 1 3/16" (12.9660)	1	4	4	1	4	2	1		2		1	
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5129726	* TUBE ASSY., 2,3,4-53 (WEIGHT HOUSING)	1			1			1	1		1		1
5D	5144695	TUBE ASSY., 2,4-53 (A & B ENG.) (TEE TO CONTROL HOUSING)	1						1	1				
5D	5144093	TUBE ASSY., 2-53 (C & D ENG.) (TEE TO CONTROL HOUSING)				1						1		1
5D	5143990	TEE, 1/4"-1/4"X1/8" PIPE (IN WEIGHT HOUSING)	1			1			1	1		1		1
5D	5166265	ELBOW, 1/4" TUBE (7.4074)	1			1			1			1		1
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1			1			1	1		1		1
		* EFFECTIVE WITH 3D-3392.												
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5146132	SPRING, 3-53 (TORSION) (C & D ENG.)	1							1				
	5147598	SPRING, 2-53 (TORSION) (A & B ENG.)				1								1
	5129711	SPRING, 6V53 (TORSION)									1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6966	6969	7100	7200	7411	7488	7667	7900	8055	8066	8255	8288
	2.7945	**- SEAL, GOVERNOR**												
	5101140	SEAL		1			1							
	2.7960	**- GEAR, GOVERNOR DRIVE**												
5B	**5116025**	* GEAR, 2, 3, 4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)	1			1			1	1				1
	5107076	+ GEAR, 3, 4-53 RA, RB, LC, LD (RH HELIX; 56 TEETH)	1			1			1	1				1
5B	**5116026**	* GEAR, 2, 3, 4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)	1			1			1	1		1		
	5107077	+ GEAR, 3, 4-53 RC, RD, LA, LB (LH HELIX; 56 TEETH)	1			1			1	1		1		1
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1			1			1	1		1		1
	9434177	NUT, 5/16"-18 LOCK (12.9140)	1			1			1	1		1		1

* THRU 3D-170682 AND 4D-180938.
\+ EFF. WITH 3D-170683 AND 4D-180939.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
	2.7001	**- GOVERNOR ASSY.**												
		FOR TYPE 868 USE TYPE 1202. A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7045, THRU 2.7810 EXCEPT 2.7165, 2.7520, 2 .7530 AND 2.7740. CLOSED LINKAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS DO NOT INCLUDE I TEMS IN 2.7470.												
	5137431	* GOVERNOR ASSY., 2-53 (SINGLE RANGE CONSTANT SPEED)	1											
	5137182	% GOVERNOR ASSY., 6V53 (LIMITING) (5103755)		1										
	5132198	% GOVERNOR ASSY., 3-53 (SINGLE RANGE CONSTANT SPEED) (5143809)			1									
	5137638	# GOVERNOR ASSY., 3-53 (LIMITING)				1								
	5129813	% GOVERNOR ASSY., 4-53 (VARIABLE) (5107139)					1							
	5137854	% GOVERNOR ASSY., 4-53 (LIMITING) (5107129)						1						
	5137121	% GOVERNOR ASSY., 6V53 (VARIABLE) (5103795)							1					
	5136829	GOVERNOR ASSY., 8V53 (LIMITING)								1	1			
	5138284	% GOVERNOR ASSY., 4-53 (LIMITING) (5107128)										1		
	5141527	% GOVERNOR ASSY., 6V53 (LIMITING) (5103783)											1	
	5138851	% GOVERNOR ASSY., 4-53 (VARIABLE) (5107139)												1
	186629	BOLT, 5/16"-18X1" (12.9001)								1	1			
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	2		2	2	2	2				2		2
5A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2		2	2	2	2				2		2
5M	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)								4	4			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		6					6				6	
5M	**450517**	BOLT, 3/8"-16X4 3/4" (12.9001)								1	1			
5M	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)								1	1			
5M	**215510**	BOLT, 3/8"-16X5 3/4" (12.9001)								1	1			
5A	**9414285**	BOLT, 3/8"-24X7/8" (12 PT. HD.)	3		3	3	3	3				3		3
	179858	BOLT, 7/16"-14X1" (12.9001)								2	2			
	120393	WASHER, 5/16" (12.9190)								1	1			
	5150568	WASHER, 5/16" COPPER (12.9190)								2	2			
	9414322	WASHER, 3/8" (12.9190)	2		2	2	2	2				2		2
	5145225	WASHER, 3/8" COPPER (12.9190)	3		3	3	3	3		4	4	3		3
	103341	WASHER, 3/8" (12.9190)		6									6	
	103320	LOCKWASHER, 5/16" (12.9200)	2		2	2	2	2				2		2
	103321	LOCKWASHER, 3/8" (12.9200)		6					6	3	3		6	
		# NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		% NOT SERVICED, FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES.												
		* OBSOLETE.												
	2.7002	**- NAME PLATE, GOVERNOR**												
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1
	5105180	NAME PLATE (PORTUGUESE)						1				1		
	145369	SCREW, #4X3/16" RD. HD. DR. (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
		2.7005 - COVER, GOVERNOR BREATHER HOLE												
	5144203	+ COVER, 8V53									1			
	179796	+ BOLT, 1/4"-20X7/8" (12.9001)									7			
	120392	+ WASHER, 1/4" (12.9190)									7			
		+ NOT REQUIRED WHEN BREATHER ATTACHES TO GOVERNOR.												
		2.7006 - GASKET, GOVERNOR BREATHER HOLE COVER												
	5132774	+ GASKET, 8V53 (4.8070)									1			
		+ NOT REQUIRED WHEN BREATHER ATTACHES TO GOVERNOR.												
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE												
5B	**5116336**	GASKET, 2,3,4-53	1		1	1	1	1				1		1
	5121345	GASKET, 6V53 (TO END PLATE)		1					1				1	
5M	**5132765**	GASKET, 8V53 (TO BLOWER)								1	1			
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126432	COVER ASSY., 2,3,4-53 (CONSTANT) (C & D ENG.) (PAGE A1)	1		1		1							1
	5137181	* COVER ASSY., 6V53 (LIMITING) (PAGE B1) (5103872)		1										
	5126428	* COVER ASSY., 3, 4-53 (LIMITING) (C & D ENG.) (PAGE A1) (5107124)				1						1		
	5126429	COVER ASSY., 3,4-53 (LIMITING) (A & B ENG.) (PAGE B1)						1						
	5126641	* COVER ASSY., 6V53 (VARIABLE) (PAGE A1) (5103752)							1					
	5132809	COVER ASSY., 8V53 (LIMITING) (PAGE B1)								1	1			
	5129682	* COVER ASSY., 6V53 (LIMITING) (PAGE B1) (5103748)											1	
	5101768	RETAINER					1		1					1
5M	**5183701**	SCREW, 1/4"-20X5/8" FIL. HD. (2.7812)								1	1			
5J	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (W/LW) (12.9010)	4	8	4	4	3	4	6	7	7	4	8	3
	453007	SCREW, 1/4"-20X1" (W/LW) (12.9025)					1		1					1
		* NOT SERVICED. FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER												
5E,H	**5122742**	GASKET, 2,3,4-53	1		1	1	1	1				1		1
5J	**5121342**	GASKET, 6V53		1					1				1	
5M	**5132783**	GASKET, 8V53								1	1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
	2.7165	**- LEVER, GOVERNOR COVER SHUTDOWN SHAFT**												
5H,J	**5183042**	LEVER, 3,4,6,8V53 (2.9410)		1		1		1		1	1	1	1	
5H,J	**454894**	BOLT, 1/4"-20X3/4" (12.9001)		1		1		1		1	1	1	1	
5H,J	**120380**	LOCKWASHER, 1/4" (12.9200)		1		1		1		1	1	1	1	
	2.7170	**- LEVER, GOVERNOR COVER THROTTLE SHAFT**												
5E,H	**5107147**	LEVER, 2,3,4-53 (2.9361)	1		1	1	1							1
5J	**5151519**	LEVER, 6,8V53							1	1	1			
	5164318	LEVER, 6V53 (2.9340)											1	
	5120069	LEVER, 3-53 (2.9340)						1				1		
	5108381	CLIP (2.9405)							1					
5E,J	**213546**	BOLT, 1/4"-20X1" (12.9001)	1		1	1	1	1	1	1	1	1	1	1
5E,J	**120380**	LOCKWASHER, 1/4" (12.9200)	1		1	1	1	1	1	1	1	1	1	1
	2.7230	**- HOUSING ASSY., GOVERNOR CONTROL**												
5J	**5121001**	HOUSING ASSY., 6V53 (INCLUDES ITEMS IN 2.7230 THRU 2.7300)		1					1				1	
5D	**5122756**	* HOUSING, 2,3,4-53 (C & D ENG.) (5144090)	1		1	1	1					1		1
5D	**5122757**	* HOUSING, 3,4-53 (A & B ENG.) (5144089)						1						
	5136831	HOUSING ASSY., 8V53 (INCLUDES TUBES AND DOWELS)								1	1			
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V53		2					2				2	
	5116262	ADAPTOR, INJECTOR CONTROL LINK BOOT 2,3,4,8V53 (1.2069)	1		1	1	1	1		2	2	1		1
	105451	GASKET, 3/8" COPPER (12.9360)	1		1									
5M	**5136071**	PLUG, .386" DIA. CUP								1	1			
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9330)		1					1				1	
	5152462	PLUG, 1 1/8"		1					1					
	9417025	PLUG, 1 3/4" EXPANSION (REAR OF HOUSING)		1					1				1	
5J	**5116071**	PIN (TO CYLINDER BLOCK END PLATE)		1					1				1	
5J	**5150942**	PIN, DOWEL (COVER ALIGNING)		2					2	2	2		2	
5J	**141242**	PIN, DOWEL 3/8"X7/8" (TO BLOWER)		2					2				2	
5J	**5119314**	PIN, 3/8"X1.68" (CONTROL LINK LEVER SHAFT)		1					1				1	
	113699	BOLT, 3/8"-24X1/2" (12.9001)	1		1									
	5174286	NUT, 3/8"-24 (12.9120)		1					1				1	
		* NOT SERVICED; USE NUMBER IN PARENTHESES AND INCLUDE 8924749 PLUG.												
	2.7250	**- SHAFT ASSY., GOVERNOR OPERATING**												
		INCLUDES ITEMS IN 2.7255, 2.7280 AND BEARINGS IN 2.7260.												
	5121458	SHAFT ASSY., 6V53		1					1				1	
	5122752	SHAFT ASSY., 2,3,4-53 (C & D ENG.)	1		1	1	1					1	1	
	5122753	SHAFT ASSY., 3,4-53 (A & B ENG.)						1						

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
		2.7255 - SHAFT, GOVERNOR OPERATING												
5D	**5122751**	SHAFT, 2,3,4-53	1		1	1	1	1				1		1
5J	**5121339**	SHAFT, 6V53		1					1				1	
5M	**5133437**	SHAFT ASSY., 8V53 (INCLUDES INTEGRAL BEARINGS)								1	1			
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	**5122754**	TUBE, 2,3,4-53	1		1	1	1	1				1		1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	**9431894**	BEARING	1	1	1	1	1	1	1			1	1	1
5D,J	**9421917**	SCREW AND LOCKWASHER ASSY., #10-24X7/16" (12.9025)	1	1	1	1	1	1	1			1	1	1
5D,J	**120391**	WASHER, #10 (12.9190)	1	1	1	1	1	1				1	1	
	115545	LOCKWASHER, #10 (12.9220)		1					1				1	
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5D,K	**9431887**	BEARING, 2,3,4-53	1		1	1	1	1				1		1
5J	**954987**	BEARING, 6V53		2					2				2	
5D,K	**9413284**	RING, SNAP (TO HOUSING)	1		1	1	1	1				1		1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5D	**5122749**	LEVER ASSY., 2,3,4-53 (C & D ENG.)	1		1	1	1					1		1
5D	**5122750**	LEVER ASSY., 3,4-53 (A & B ENG.)						1						
5J	**5116011**	LEVER ASSY., 6V53		1					1				1	
5M	**5132747**	LEVER, 3,8V53								1	1			
5D,J	**5150898**	SCREW (GAP ADJUSTING)	1		1	1	1	1				1		1
5M	**5132962**	SCREW (GAP ADJUSTING)		1					1	1	1		1	
5D,J,M	**114492**	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5D	**5122741**	FORK, 2,3,4-53	1		1	1	1	1				1		1
5J	**5138335**	FORK, 6V53		1					1				1	
5M	**5133024**	FORK, 8V53								1	1			
	9425382	SCREW AND LOCKWASHER ASSY., #10-32X5/8" (12.9001)	2		2	2	2	2				2		2
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5D	**5122746**	PIN, 2,3,4-53	1		1	1	1	1				1	1	
5J,M	**5150943**	PIN, 6,8V53		1					1	1	1		1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8333	8338	8400	8455	8555	8588	8666	8722	8744	8755	8889	8911
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL												
		(A LEVER ASSY. INCLUDES PIN IN 2.7315.)												
5D	**5126311**	LEVER ASSY., 3,4-53 (LIMITING)				1		1				1		
5D	**5122743**	LEVER ASSY., 2,3,4-53 (CONSTANT)	1		1		1							1
5J	**5124209**	LEVER ASSY., 6V53		1					1				1	
5M	**5150394**	LEVER ASSY., 8V53 (LIMITING)								1	1			
5D,J	**5150941**	WASHER, 21/64"	1	1	1	1	1	1	1	1	1	1	1	1
5D,J	**142583**	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING												
5M	**5132755**	LINK, 8V53								1	1			
5M	**5150941**	WASHER, 21/64" (2.7310)								1	1			
5M	**142583**	RETAINER, 13/64" SPRING (12.9640)								1	1			
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5D	**5126310**	PIN, 3,4-53 (LIMITING)				1		1				1		
5D	**5122745**	PIN, 2,3,4-53 (VARIABLE AND CONSTANT)	1		1		1							1
5J	**5150943**	PIN, 6V53 (2.7300)							1				1	
5M	**5150894**	PIN, 8V53 (LIMITING)								1	1			
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
5J	**5121490**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)		1					1				1	
5M	**5127373**	LEVER ASSY., 8V53 (INCLUDES NEEDLE BEARINGS)								1	1			
5J,M	**9437946**	BEARING, NEEDLE (2.7440)		2					2	2	2		2	
5J,M	**5117693**	PIN, 1.00"L. 6,8V53		2					2	1	1		2	
5M	**5143866**	PIN, 3/8"X2"L. 8V53								1	1			
5M	**5127375**	PIN								1	1			
	5143865	CLIP (GOVERNOR CONTROL SHAFT LOCK)								1	1			
5J	**142583**	RETAINER, 1/4" SPRING (12.9460)		1					1				1	
5J	**5151487**	WASHER (2.7430)		2					2				2	
5M	**5150885**	WASHER (2.7430)								1	2			
5M	**9421917**	BOLT, #10-24X7/16" (W/LW) (12.9025)								1	1	1		1
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	**5129730**	HOUSING, 2,3,4-53 (C & D ENG.)	1		1	1	1					1		1
5D,K	**5129731**	HOUSING, 3,4-53 (A & B ENG.)						1						
5K	**5119127**	BEARING, WEIGHT SHAFT END	1		1	1	1	1				1		1
5D,K	**9428477**	PLUG, CUP 15/16" DIA. (3.4030)	1		1	1	1	1				1		1
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN AS SHOWN.												
	5125042	* SHAFT AND CARRIER ASSY., 2-53 (PAGE C1)	1		1		1							

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2.7000A MECHANICAL GOVERNOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT (CONT'D)												
	5133819	SHAFT AND CARRIER ASSY., 6V53 (PAGE C1)		1									1	
	5100061	SHAFT AND CARRIER ASSY., 3,4-53 (PAGE C1)				1		1				1		
	5133590	SHAFT AND CARRIER ASSY., 8V53 (PAGE C1)								1	1			
	5125043	* SHAFT AND CARRIER ASSY., 4-53 (PAGE C1)												1
	110529	SCREW, #10-24X1/4" FLAT HD. SL.	1		1	1	1	1				1		1
		* NOT SERVICED, LISTED FOR REFERENCE ONLY, USE COMPONENT PARTS.												
		2.7380 - RISER, GOVERNOR												
	5137122	RISER, 6V53							1					
5M	5132840	RISER, 8V53								1	1			
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
	907045	BEARING, 2,3,4-53 (N.D. #3203L1A)			1		1	1						
5J	907674	BEARING, 6V53		1					1				1	
5M	907681	BEARING, 8V53 (N.D. #3303FXR1A)								1	1			
	9411502	RETAINER			1		1	1						
	5150884	SCREW								1	1			
	5150897	LOCKWASHER								1	1			
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	5122738	SPACER (BETWEEN GEAR AND BEARING)	1		1	1	1	1				1		1
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING												
5M	5140533	CAP, 8V53								1	1			
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP												
5M	5134092	GASKET, 8V53								1	1			
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING												
	5152716	* COVER, 4-53 (3.4223)												1
	179816	* BOLT, 5/16"-18X3/4" (12.9001)												3
	103320	* LOCKWASHER, 5/16" (12.9200)												3
		* REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER												
	5150193	* GASKET, 4-53 (5.1010)												1
		* REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5151604**	SPRING, 6,8V53 (ONE GREEN STRIPE)		1						1	1		1	
5G	**5183704**	SPRING, 3,4-53 (TWO YELLOW STRIPES)				1								
	5122165	SPRING, 3, 4-53 (ONE BLUE STRIPE)						1				1		
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5G	**5153629**	SPRING, 2,3,4-53 (TWO ALUMINUM STRIPES)	1			1		1						
5G	**5124415**	SPRING, 6V53 (ONE WHITE STRIPE)		1									1	
	5124201	SPRING, 3-53 (TWO WHITE STRIPES)			1									
5M	**5136160**	SPRING, 8V53 (TWO PINK STRIPES)								1	1			
	5132444	SPRING, 4-53 (TWO GREEN STRIPES)										1		
	5129071	* SPRING, 6V53 (THREE BLUE STRIPES)		1		1		1		1	1	1	1	
		* OBSOLETE.												
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G	**5125418**	PLUNGER, 2,3-53	1		1									
5G,M	**5182555**	PLUNGER, 6,8V53		1						1	1		1	
5G	**5126135**	PLUNGER, 3,4,6V53				1		1				1		
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5G,M	**5150892**	SEAT, 3,4,6,8V53		1		1		1		1	1	1	1	
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	**5103975**	CAP, 3,4,6V53		1		1		1				1	1	
5M	**5102968**	CAP, 8V53								1	1			
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
	5101432	PIN, 3.98"L.		1						1	1		1	
	5102270	SCREW, 1/4"-28X1" (12.9076)		1						1	1		1	
	5130034	+ SCREW, 3,4-53				1		1				1		
	114492	LOCKNUT, 1/4"-28 (12.9190)		1		1		1		1	1	1	1	
		+ NOT SERVICED, USE 5102256 PLUS 5101798.												
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
5G	**5150947**	SHIM, .010"	AR		AR	AR		AR				AR		
5G	**5151249**	SHIM, .078"	AR		AR	AR		AR				AR		

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2.7000A MECHANICAL GOVERNOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8333	8338	8400	8455	8555	8586	8666	8722	8744	8755	8899	8911
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G,M	**5182557**	RETAINER, 6,8V53		1						1	1		1	
5G	**5174436**	RETAINER, 2,3,6V53	1		1							1		
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5G	**5186115**	LOCKNUT, 6V53		1									1	
5M	**5182558**	LOCKNUT, 8V53								1	1			
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
	5131132	COVER, 2,3,4,6V53	1		1	1		1				1		
5G	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)	2		2									
	220623	BOLT, 5/16"-18X3/4" (12.9001)				2		1				1		
	103320	LOCKWASHER, 5/16" (12.9200)	2		2	2		2				2		
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G,M	**5182559**	HOUSING, 6,8V53		1						1	1		1	
5G,M	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)		2						2	2		2	
5G	**5155596**	WASHER, 5/16" COPPER (4.7120)		2						2	2		2	
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G,M	**8922593**	GASKET	1	1	1	1		1		1	1	1	1	
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126842	* HOUSING ASSY., 4,8V53 (PAGE E1) (5139662)					1							
	5126121	* *HOUSING ASSY., 6V53 (PAGE E1)* (5139263)							1					
	5127654	* HOUSING ASSY., 2,4-53 (PAGE E1) (5139262)												1
	186270	PIN, 3/8"X2"L. 8V53					2		2					2
	103320	LOCKWASHER, 5/16" (12.9200)					2		2					2
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES WHICH INC ORPORATES A NEW WIDE ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**8922593**	GASKET, 6V53 (2.7650)							1					1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	**5127397**	SPRING, 4-53(TWO LIGHT BLUE STRIPES)					1							1
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
	5162661	PLUNGER, 2,4-53					1							1
	5152938	PLUNGER, 6V53							1					
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
5F	**5152939**	GUIDE, 6,8V53					1		1					1
	5130094	BUSHING, 2,4-53 (PLASTIC)					1							1
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5137276**	RETAINER					1							1
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
5F	**5171784**	STOP, 2,4,6,8V53 (WITH STEP)					1		1					1
5F	**5174430**	STOP, 2,4,6,8V53 (WITH GAP)					1		1					1
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5F	**5136590**	SHIM, .010"					AR		AR					AR
5F	**5136591**	SHIM, .078"					AR		AR					AR
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
	5183773	SCREW ASSY., 2,4-53(INCLUDES SPRING)	1				1							1
	5126073	SCREW ASSY., 6V53 (INCLUDES SPRING)		1										
5D	**5139678**	SCREW ASSY., 3, 4-53 (INCLUDES SPRING)				1	1					1		
5M	**5132757**	SCREW ASSY., 6V53 (INCLUDES SPRING)								1	1			
	5172383	SCREW ASSY., 6V53 (INCLUDES SPRING)											1	
	124925	NUT, 3/8"-24 (12.9120)				1		1				1		
	5174286	NUT, 3/8"-24 (PERMA-TITE)	1				1			1				1
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
7A	**5122798**	LINK, 2,3,4-53	1		1									1
	5121453	LINK, 6V53 (LEFT BANK, UPPER)		1					1				1	
	5121452	LINK, 6V53 (RIGHT BANK, UPPER)		1					1				1	
	5121472	LINK, 6,8V53 (LOWER)		2					2	2	2		2	
7A	**5122797**	LINK, 2,3,4-53 (A & C ENG.)				1	1	1				1		
	5132784	LINK, 8V53 (LEFT BANK, UPPER)								1	1			
	5132785	LINK, 8V53 (RIGHT BANK, UPPER)								1	1			

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2.7000A MECHANICAL GOVERNOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK (CONT'D)												
7A,B	5147345	PIN (LINK TO INJECTOR CONTROL TUBE LEVER)	1	2	1	1	1	1	2	2	2	1	2	1
7A	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	2	1	1	1	1	2	2	2	1	2	1
	5150941	WASHER, 21/64" (2.7310)				1		1				1		1
	142583	RETAINER, SPRING 13/64" (12.9460)				1		1				1		1
	454750	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOCKWASHER LINK) (12.9120)		2					2	2	2		2	
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5116262	ADAPTOR (IN HEAD) (PLAIN END)	1	2	1	1	1	1	2	2	2	1	2	1
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129705	HOSE, 7/8"I.D.X.75"L. (LEFT BANK)	1	2	1				2				2	1
	5132843	HOSE, 7/8"I.D.X1/2"L.								2	2			
	5129707	HOSE, 7/8"I.D.X1.26"L. (A & C ENG.)				1	1	1				1		
	5129706	HOSE, 7/8"I.D.X1.62"L. (RIGHT BANK)		1					1				1	
	5126072	HOUSING, LINK (LEFT BANK)		1					1				1	
	5186840	CLAMP, HOSE 1 3/16" (12.9660)	1	4	1				4	2	2		4	1
	272855	CLAMP, HOSE (SPRING, 1 1/4") (A & C ENG.) (12.9660)				2	2	2				2	2	
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5129726	TUBE ASSY., 2,3,4-53 (DEV. L. 11.36") (WEIGHT HOUSING)	1		1	1	1	1				1		1
5D	5144093	* TUBE ASSY., 4-53 (DEV. L. 7.32") (TEE TO CONTROL HSG.) (C & D ENGINES)					1							1
5D	5166265	ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)	1		1	1		1				1		1
	8924170	CONNECTOR, 1/4" TUBE (12.9460)	1		1	1	1	1				1		1
5D	5143990	TEE, 1/4"-1/4" TUBE X 1/8" PIPE (IN WEIGHT HOUSING)					1							1
	8924380	@ PLUG, 1/8" PIPE (12.9550)					1							1
		* USED TO LUBRICATE UPPER CONTROL HOUSING.												
		@ IN CONTROL HOUSING. NOT REQUIRED WITH A CONTROL HOUSING LUBRICATION TUBE.												
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5146132	SPRING, 2,4-53 (TORSION)(C & D ENG.)	1											1
	5147598	SPRING, 3,4-53 (TORSION)(A & B ENG.)			1									
	5126540	SPRING, 4-53 (2.9405)					1							
	5129711	SPRING, 6V53 (TORSION)						1						
		2.7912 - CLIP, GOVERNOR THROTTLE LEVER RETURN SPRING												
	5122570	CLIP (2.9405)					1							

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 833	838	840	845	855	858	866	872	874	875	889	891
		2.7960 - GEAR, GOVERNOR DRIVE												
	5116025	* GEAR, 2,3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)	1		1	1	1	1				1		1
	5107076	+ GEAR, 2,3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)	1		1	1	1	1				1		1
	5116026	* GEAR, 2,3,4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)	1		1	1	1	1				1		1
	5107077	+ GEAR, 2,3,4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)	1		1	1	1	1				1		1
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1		1	1	1	1				1		1
	9434177	NUT, 5/16"-18 LOCK (12.9140)	1		1	1	1	1				1		1

* THRU 3D-170682 AND 4D-180938.
\+ EFF. WITH 3D-170683 AND 4D-180939.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	894	898	900	901	908	917	922	923	930	936	944
		2.7001 - GOVERNOR ASSY.												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7045, THRU 2.7810 EXCEPT 2.7165, 2.7520, 2.7530 AND 2.7740. CLOSED LIN KAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS DO NOT INCLUDE ITEMS IN 2.7470.												
	5129813	& GOVERNOR ASSY., 4-53 (VARIABLE) (5107139)							1					
	5141527	& GOVERNOR ASSY., 6V53 (LIMITING) (5103783)									1			
	5138852	& GOVERNOR ASSY., 4-53 (VARIABLE) (5107142)	1											
	5136830	GOVERNOR ASSY., 8V53 (VARIABLE)		1		1								
	5139094	& GOVERNOR ASSY., 6V53 (5103782)			1									
	5129809	& GOVERNOR ASSY., 2-53 (VARIABLE) (5107139)					1							
	5128776	& GOVERNOR ASSY., 6V53 (LIMITING) (5103782)						1						
	5129804	& GOVERNOR ASSY., 4-53 (LIMITING) (5107128)								1				
	5139676	& GOVERNOR ASSY., 3-53 (LIMITING) (5107127)										1		
	5134910	# GOVERNOR ASSY., 3-53 (LIMITING)											1	
	5141527	& GOVERNOR ASSY., 6V53 (LIMITING) (5103783)												1
	186629	BOLT, 5/16"-18X1" (12.9001)		1		1								
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	2				2		2	2		2	2	
5A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2				2		2	2		2	2	
5M	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)		4		4								
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		6				6			6			6
M	**450517**	BOLT, 3/8"-16X4 3/4" (12.9001)		1		1								
5M	**187491**	BOLT, 3/8"-16X5 1/2" (12.9001)		1		1								
5M	**215510**	BOLT, 3/8"-16X5 3/4" (12.9001)		1		1								
5A	**9414285**	BOLT, 3/8"-24X7/8" (12 PT. HD.)	3				3		3	3		3	3	
	179858	BOLT, 7/16"-14X1" (12.9001)		2		2								
	120393	WASHER, 5/16" (12.9190)		1		1								
	5150568	WASHER, 5/16" COPPER (12.9190)		2		2								
	5155596	WASHER, 5/16" COPPER (12.9190)											2	
	103341	WASHER, 3/8" (12.9190)			6									
	9414322	WASHER, 3/8" (12.9190)	2				2		2	2		2	2	
	5145225	WASHER, 3/8" COPPER (12.9190)	3	4		4	3		3	3		3	3	
	103320	LOCKWASHER, 5/16" (12.9200)	2				2		2	2		2		
	103321	LOCKWASHER, 3/8" (12.9200)		3	6	3		6			6			6
		# NOT SERVICED; COMPONENTS ARE AVAILABLE.												
		& FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES.												
		2.7002 - NAME PLATE, GOVERNOR												
	5105180	NAME PLATE (PORTUGUESE)										1		
	5122166	NAME PLATE	1	1	1		1	1	1	1	1	1	1	1
	145369	SCREW, #4X3/16" RD. HD. DR. (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7005 - COVER, GOVERNOR BREATHER HOLE												
	5144203	% COVER, 8V53		1										
	179796	% BOLT, 1/4"-20X7/8" (12.9001)		7										
	120392	% WASHER, 1/4" (12.9190)		7										

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	894	898	900	901	908	917	922	923	930	936	944
		2.7005 - COVER, GOVERNOR BREATHER HOLE (CONT'D)												
		% NOT REQUIRED WHEN BREATHER ATTACHES TO GOVERNOR.												
		2.7006 - GASKET, GOVERNOR BREATHER HOLE COVER												
	5132774	% GASKET, 8V53 (4.8070)		1										
		% NOT REQUIRED WHEN BREATHER ATTACHES TO GOVERNOR.												
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE												
5B	**5116336**	GASKET, 2,3,4-53	1				1		1	1		1	1	
	5121345	GASKET, 6V53 (TO END PLATE)			1			1			1			1
5M	**5132765**	GASKET, 8V53 (TO BLOWER)		1										
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126432	COVER ASSY., 2,3,4-53 (CONSTANT) (C & D ENG.) (PAGE A1)					1		1					
	5126428	% COVER ASSY., 3, 4-53 (LIMITING) (C & D ENG.) (PAGE A1) (5107124)								1			1	
	5126429	COVER ASSY., 3,4-53 (LIMITING) (A & B ENG.) (PAGE B1)										1		
	5129682	% COVER ASSY., 6V53 (LIMITING) (PAGE B1) (5103748)			1			1			1			1
	5126433	COVER ASSY., 4-53 (VARIABLE) (A & B ENG.) (PAGE A1)	1											
	5134669	+ COVER ASSY., 8V53 (VARIABLE) (PAGE B1)		1		1								
	5101768	RETAINER	1				1		1					
5J	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (WITH LOCKWASHER) (12.9010)	3	8	8	8	3	8	3	4	8	4	4	8
	453007	SCREW, 1/4"-20X1" (W/LW)	1				1		1					
5E	**103319**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1		1			1
		+ OBSOLETE												
		% NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER												
5E,H	**5122742**	GASKET, 2,3,4-53	1				1		1	1		1	1	
5J	**5121342**	GASKET, 6V53			1			1			1			1
5M	**5132783**	GASKET, 8V53			1	1								
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5H,J	**5183042**	LEVER, 3,4,6,8V53 (2.9410)			1			1		1		1	1	1
5H,J	**454894**	BOLT, 1/4"-20X3/4" (12.9001)			1			1		1		1	1	1
5H,J	**120380**	LOCKWASHER, 1/4" (12.9200)			1			1		1		1	1	1

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2.7000A MECHANICAL GOVERNOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8922	8944	8998	9000	9001	9008	9117	9222	9223	9300	9366	9444
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
5E,H	**5107147**	LEVER, 2,3,4-53 (2.9361)	1				1		1					
5J	**5151519**	LEVER, 2,6,8V53		1	1	1		1			1			1
	5147640	LEVER, 4-53 (2.9290)								1				
	5120069	LEVER, 3-53 (2.9340)										1		
	5124371	LEVER, 3-53 (2.9410)										1		
	5162848	BRACKET, 2-53 (2.9390)					1							
	180021	BOLT, 1/4"-20X7/8" (12.9001)								1				
5E,J	**213546**	BOLT, 1/4"-20X1" (12.9001)	1	1	1	1	1	1	1		1	1	1	1
5E,J	**120380**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5J	**5121001**	HOUSING ASSY., 6V53 (INCLUDES ITEMS IN 2.7230 THRU 2.7300)			1			1			1			1
5D	**5122756**	* HOUSING, 2,3,4-53 (C & D ENG.) (5144090)					1		1	1			1	
5D	**5122757**	* HOUSING, 3,4-53 (A & B ENG.) (5144089)	1									1		
	5136831	HOUSING ASSY., 8V53 (INCLUDES TUBES AND DOWELS)		1		1								
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V53			2			2			2			2
	5116262	ADAPTOR, INJECTOR CONTROL LINK BOOT 2,3,4,8V53 (1.2069)	1	2		2	1		1	1		1	1	
	105451	GASKET, 3/8" COPPER (12.9360)											1	
5M	**5136071**	PLUG, .386" DIA. CUP		1		1								
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9330)			1			1			1			1
	5152462	PLUG, 1 1/8"			1									
	9417025	PLUG, 1 3/4" EXPANSION (REAR OF HOUSING)									1			1
5J	**5116071**	PIN (TO CYLINDER BLOCK END PLATE)			1			1			1			1
5J	**5150942**	PIN, DOWEL (COVER ALIGNING)		2	2	2		2			2			2
5J	**141242**	PIN, DOWEL 3/8"X7/8" (TO BLOWER)									2			2
5J	**5119314**	PIN, 3/8"X1.68" (CONTROL LINK LEVER SHAFT)			1			1			1			1
	113699	BOLT, 3/8"-24X1/2" (12.9001)											1	
	5174286	NUT, 3/8"-24 (12.9140)			1			1			1			1
		* NOT SERVICED; REPLACE WITH NUMBER IN PARENTHESES AND INCLUDE (1) 8924749 PLUG.												
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280 AND BEARINGS IN 2.7260.												
	5121458	SHAFT ASSY., 6V53			1			1			1			1
	5122752	SHAFT ASSY., 2,3,4-53 (C & D ENG.)					1		1	1			1	
	5122753	SHAFT ASSY., 3,4-53 (A & B ENG.)	1									1		
		2.7255 - SHAFT, GOVERNOR OPERATING												
5D	**5122751**	SHAFT, 2,3,4-53	1				1		1	1		1	1	
5J	**5121339**	SHAFT, 6V53			1			1			1			1
5M	**5133437**	SHAFT ASSY., 8V53 (INCLUDES INTEGRAL BEARINGS)		1		1								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	894	898	900	901	908	917	922	923	930	936	944
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	**5122754**	TUBE, 2,3,4-53	1				1		1	1		1	1	
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	**9431894**	BEARING	1		1		1	1	1	1	1	1	1	1
5D,J	**9421917**	SCREW AND LOCKWASHER ASSY., #10-24X7/16" (12.9025)	1	1		1	1	1	1	1		1	1	
5D,J	**120391**	WASHER, #10 (12.9190)	1	1		1	1	1	1	1	1	1	1	1
	115545	LOCKWASHER, #10 (12.9220)						1			1			1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5D,K	**9431887**	BEARING, 2,3,4-53	1				1		1	1		1	1	
5J	**954987**	BEARING, 6V53			2			2			2			2
5D,K	**9413284**	RING, SNAP (TO HOUSING)	1				1		1	1		1	1	
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5D	**5122749**	LEVER ASSY., 2,3,4-53 (C & D ENG.)					1		1	1			1	
5D	**5122750**	LEVER ASSY., 3,4-53 (A & B ENG.)	1									1		
5J	**5116011**	LEVER ASSY., 6V53			1			1			1			1
5M	**5132747**	LEVER, 3,8V53		1		1								
5D,J	**5150898**	SCREW, 2,3,4,6V53 (GAP ADJUSTING)	1				1		1	1		1	1	
5M	**5132962**	SCREW, 6,8V53 (GAP ADJUSTING)		1	1	1		1			1			1
5D,J,M	**114492**	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5D	**5122741**	FORK, 2,3,4-53	1				1		1	1		1	1	
5J	**5138335**	FORK, 6V53			1			1			1			1
5M	**5133024**	FORK, 8V53		1		1								
	9425382	SCREW AND LOCKWASHER ASSY., #10-32X5/8" (12.9001)	2		2		2		2	2		2	2	
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5D	**5122746**	PIN, 2,3,4-53	1				1		1	1		1	1	
5J,M	**5150943**	PIN, 6,8V53		1	1	1		1			1			1
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL												
		(A LEVER ASSY. INCLUDES PIN IN 2.7315.)												
5D	**5126311**	LEVER ASSY., 3,4-53 (LIMITING)								1		1	1	
5D	**5122743**	LEVER ASSY., 2,3,4-53 (CONSTANT)	1				1		1					
5J	**5124209**	LEVER ASSY., 6V53			1			1			1			1
5M	**5150394**	LEVER ASSY., 8V53 (LIMITING)		1		1								
5D,J	**5150941**	WASHER, 21/64"	1	1		1	1	1	1	1	1	1	1	1
5D,J	**142583**	RETAINER, 13/64" SPRING (12.9640)	1	1		1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8V92	8V894	8V898	900	901	908	917	922	923	930	936	944
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING												
5M	5132755	LINK, 8V53		1		1								
5M	5150941	WASHER, 21/64" (2.7310)		1		1								
5M	142583	RETAINER, 13/64" SPRING (12.9640)		1		1								
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5D	5126310	PIN, 3,4-53 (LIMITING)								1		1	1	
5D	5122745	PIN, 2,3,4-53 (VARIABLE AND CONSTANT)	1				1		1					
5J	5150943	PIN, 6V53 (2.7300)			1			1			1			1
5M	5150894	PIN, 8V53 (LIMITING)		1		1								
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
5J	5121490	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)			1			1			1			1
5M	5127373	LEVER ASSY., 8V53 (INCLUDES NEEDLE BEARINGS)		1		1								
5J,M	9437946	BEARING, NEEDLE 6,8V53 (2.7440)		2	2	2		2			2			2
5J,M	5117693	PIN, 1.00" L.		1	2	1		2			2			2
5M	5143866	PIN, 3/8"X2" L.		1		1								
5M	5127375	PIN, .309" DIA.X3.12" L.		1		1								
5M	5122263	CLIP (GOVERNOR CONTROL SHAFT LOCK)		1		1								
5J	142583	RETAINER, 1/4" SPRING (12.9460)			1			1			1			1
5J	5151487	WASHER (2.7430)			2			2			2			2
M	5150885	WASHER (2.7430)		2		2								
M	9421917	BOLT, #10-24X7/16" (WITH LOCKWASHER) (12.9025)		1		1					1			1
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	5129730	HOUSING, 2,3,4-53 (C & D ENG.)					1		1	1			1	
5D,K	5129731	HOUSING, 3,4-53 (A & B ENG.)	1									1		
5K	5119127	BUSHING (WEIGHT SHAFT END)	1				1		1	1		1	1	
5D,K	9428477	PLUG, CUP 15/16" DIA. (3.4030)	1				1		1	1		1	1	
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN AS SHOWN.												
	5125042	* SHAFT AND CARRIER ASSY., 2-53 (PAGE C1)					1		1					
	5133819	SHAFT AND CARRIER ASSY., 6V53 (PAGE C1)			1			1			1			1
	5100061	SHAFT AND CARRIER ASSY., 3,4-53 (PAGE C1)								1		1		
	5125043	* SHAFT AND CARRIER ASSY., 4-53 (PAGE C1)	1											
	5134663	SHAFT AND CARRIER ASSY., 8V53 (PAGE D1)		1		1								
	5135002	* SHAFT AND CARRIER ASSY., 3-53 (PAGE D1)											1	
	110529	SCREW, #10-24X1/4" FLAT HD. SL.	1				1		1	1		1	1	

* NOT SERVICED, LISTED FOR REFERENCE ONLY, USE COMPONENT PARTS.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	894	898	900	901	908	917	922	923	930	936	944
		2.7380 - RISER, GOVERNOR												
5M	**5132840**	RISER, 8V53		1		1								
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
	907045	BEARING, 2,3,4-53 (N.D. #3203L1A)											1	
5J	**907674**	BEARING, 6V53			1			1			1			1
5M	**907681**	BEARING, 8V53 (N.D. #3303FXR1A)		1		1								
	9411502	RETAINER											1	
	5150884	SCREW		1		1								
	5150897	LOCKWASHER		1		1								
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	**5122738**	SPACER (BETWEEN GEAR AND BEARING)	1				1		1	1		1	1	
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING												
5M	**5140533**	CAP, 8V53		1		1								
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP												
5M	**5134092**	GASKET, 8V53		1		1								
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING												
	5152716	* COVER, 4-53 (3.4223)	1											
	179816	* BOLT, 5/16"-18X3/4" (12.9001)	3											
	103320	* LOCKWASHER, 5/16" (12.9200)	3											
		* REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER												
	5150193	* GASKET, 4-53 (5.1010)	1											
		* REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5151604**	SPRING, 6,8V53 (ONE GREEN STRIPE)						1			1			1
5G	**5183704**	SPRING, 3,4-53 (TWO YELLOW STRIPES)								1			1	
5G	**5122165**	SPRING, 3, 4, 6V53 (ONE BLUE STRIPE)			1							1		

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	894	898	900	901	908	917	922	923	930	936	944
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
5G	5124415	SPRING, 6V53 (ONE WHITE STRIPE)									1			1
	5131541	SPRING, 6V53 (ONE RED AND GREEN STRIPE)						1						
	5126272	SPRING, 3,4-53 (ONE ORANGE STRIPE)			1					1		1		
	5119570	SPRING, 3-53 (ONE RED AND YELLOW STRIPE)											1	
	5129071	* SPRING, 6V53 (THREE BLUE STRIPES)			AR			AR			AR			AR
		* OBSOLETE.												
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G,M	5182555	PLUNGER, 2,3-53									1			1
5G	5126135	PLUNGER, 3,4,6V53			1			1		1		1	1	
	5117932	PLUNGER, 8V53		1		1								
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5G,M	5150892	SEAT, 3,4,6,8V53			1			1		1	1	1	1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	5103975	CAP, 3,4,6V53			1			1		1	1	1	1	1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
	5101432	PIN									1			1
	5102270	SCREW, 1/4"-28X1"									1			1
	5130034	* SCREW, 3,4-53								1		1	1	
	5150891	+ SCREW, 6V53			1			1						
	114492	LOCKNUT, 1/4"-28 (12.9120)			1			1		1	1	1	1	1
		* NOT SERVICED, USE 5102256 PLUS 5101798.												
		+ NOT SERVICED, USE 5102270 PLUS 5101798.												
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
5G	5150947	SHIM, .010"			AR			AR		AR		AR	AR	
5G	5151249	SHIM, .078"			AR			AR		AR		AR	AR	
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G,M	5182557	RETAINER, 6,8V53									1			1
5G	5174436	RETAINER, 2,3,6V53			1			1						
	5104860	RETAINER,3-53											1	
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5G	5186115	LOCKNUT, 6V53									1			1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	894	898	900	901	908	917	922	923	930	936	944
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
	5131132	COVER, 2,3,4,6V53			1			1		1		1	1	
5G	**179816**	BOLT, 5/16"-18X3/4" (12.9001)			2			2						
	220623	BOLT, 5/16"-18X3/4" (12.9001)								1		2	2	
5M	**5155596**	WASHER, 5/16" COPPER (4.7120)			2			2						
	103320	LOCKWASHER, 5/16" (12.9200)								2		2	2	
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G,M	**5182559**	HOUSING, 6,8V53									1			1
5G,M	**445520**	BOLT, 5/16"-18X3 1/2" (12.9001)									2			2
5G	**5155596**	WASHER, 5/16" COPPER (4.7120)									2			2
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G,M	**8922593**	GASKET						1		1	1	1	1	
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126842	* HOUSING ASSY., 4,8V53 (PAGE E1) (5139662)		1		1								
	5127654	* HOUSING ASSY., 2,4-53 (PAGE E1) (5139262)					1							
	5127655	* HOUSING ASSY., 4-53 (PAGE E1) (5139662)	1											
	5126841	* HOUSING ASSY., 4-53 (PAGE E1) (5139262)							1					
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	2	2		2	2		2					
	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2	2		2					
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES WHICH INCORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**8922593**	GASKET, 6V53 (2.7650)	1		1									
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	**5127397**	SPRING, 4-53(TWO LIGHT BLUE STRIPES)	1				1		1					
	5122270	SPRING, 8V53		1		1								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	894	898	900	901	908	917	922	923	930	936	944
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
	5162661	PLUNGER, 2,4-53	1				1		1					
	5117932	PLUNGER, 8V53 (2.7560)				1								
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
	5152939	GUIDE, 2,6,8V53	1	1		1	1		1					
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
5F	5137276	RETAINER, 2,4,8V53	1	1		1	1		1					
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
5F	5171784	STOP, 2,4,6,8V53 (WITH STEP)	1	1		1	1		1					
5F	5174430	STOP, 2,4,6,8V53 (WITH GAP)	1	1		1	1		1					
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5F	5136590	SHIM, .010"	AR	AR		AR	AR		AR					
5F	5136591	SHIM, .078"	AR	AR		AR	AR		AR					
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
	5183773	SCREW ASSY., 2,4-53 (INCLUDES SPRING)	1											
	5126073	SCREW ASSY., 6V53 (INCLUDES SPRING)			1									
5D	5139678	SCREW ASSY., 3, 4-53 (INCLUDES SPRING)								1		1		
5D	5177083	SCREW ASSY., 2,4-53 (INCLUDES SPRING)					1		1					
5M	5132757	SCREW ASSY., 6V53 (INCLUDES SPRING)		1		1								
	5172383	SCREW ASSY., 6V53 (INCLUDES SPRING)						1			1		1	
	124925	NUT, 3/8"-24 (12.9120)					1		1	1		1		1
	5174286	NUT, 3/8"-24 (PERMA-TITE) (12.9140)	1											
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
7A	5122798	LINK, 2,3,4-53	1											
	5121453	LINK, 6V53 (LEFT BANK, UPPER)			1			1			1			1
	5121452	LINK, 6V53 (RIGHT BANK, UPPER)			1			1			1			1
	5121472	LINK, 6,8V53 (LOWER)		2	2	2		2			2			2
7A	5122797	LINK, 2,3,4-53 (A & C ENG.)					1		1	1		1		
	5132784	LINK, 8V53 (LEFT BANK, UPPER)		1		1								
	5132785	LINK, 8V53 (RIGHT BANK, UPPER)		1		1								
7A,B	5147345	PIN (LINK TO INJECTOR CONTROL TUBE LEVER) (2.9022)	1	2	2	2	1	2	1	1	2	1	1	2
7A	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	2	2	2	1	2	1	1	2	1	1	2
	5150941	WASHER, 21/64" (2.7310)	1	1			1		1	1		1	1	
	142583	RETAINER, SPRING 13/64" (12.9460)	1				1		1	1		1	1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	894	898	900	901	908	917	922	923	930	936	944
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK (CONT'D)												
	454750	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOCKWASHER LINK) (12.9120)		2	2	2		2			2			2
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5116262	ADAPTOR, 2,3,4,6,8V53 (IN HEAD) (PLAIN END)	1	2	2	2	1	2	1	1	2	1	1	2
	5121252	ADAPTOR, 4-53							1					
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129705	HOSE, 2, 3, 4, 6V53, 7/8" I.D.X.75" L. (LEFT BANK)	1		2			2			2		1	2
	5132843	HOSE, 8V53, 7/8" I.D.X1/2" L.		2		2								
	5129707	HOSE, 2, 3, 4-53 7/8" I.D.X1.26" L. (A & C ENG.)					1		1	1		1		
	5129706	HOSE, 6V53 7/8" I.D.X1.62"L. (RIGHT BANK)			1			1			1			1
	5126072	HOUSING, LINK 6V53 (LEFT BANK)			1			1			1			1
	5186840	CLAMP, HOSE 1 3/16" (12.9660)	1	2	4	2		4			4		1	4
	272855	CLAMP, HOSE (SPRING, 1 1/4") (A & C ENG.) (12.9660)					2		2	2		2		
		2.7837 - WIRE, GOVERNOR MANUAL SHUTDOWN LEVER												
	5161464	PIN, WIRE SWIVEL (2.9426)							1					
	132105	SCREW, #10-32X3/8" (12.9010)							1					
	142583	RETAINER, 13/64" (SPRING) (12.9640)							1					
	5150941	WASHER, 21/64" (2.7310)							1					
		2.7850 - CYLINDER ASSY., FAST IDLE AIR												
		INCLUDES NUT IN 2.7850 AND ITEMS IN 2.7855 THRU 2.7870.												
	5139684	CYLINDER ASSY., 6V53									1			
	5129216	CLAMP, 1 1/4"									1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)									1			
	120393	WASHER, 5/16" (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)									1			
	120376	NUT, 5/16"-18 (12.9120)									1			
	5174286	NUT, 3/8"-24 (INLET) (12.9140)									1			
		2.7855 - COVER, FAST IDLE AIR CYLINDER												
	5129213	PLUG, 6V53 (INLET)									1			
	9411820	RETAINER, SPRING									1			
		2.7860 - PISTON, FAST IDLE AIR CYLINDER												
	5120448	PISTON, 6V53									1			
	5103072	RING, SEAL									1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8924	8944	8988	9000	9001	9088	9117	9222	9223	9300	9336	9444
		2.7865 - PLUNGER, FAST IDLE AIR CYLINDER												
	5139683	PLUNGER, 6V53									1			
	5152929	SPRING (2.7810)									1			
		2.7870 - SPRING, FAST IDLE AIR CYLINDER												
	5112908	SPRING, 6V53 (OUTER)									1			
	5199272	@ SPRING, 6V53 (INNER)									1			
	5120604	# SPRING, 6V53 (INNER) (2.9097)									1			
	5120449	FOLLOWER, SPRING 6V53									1			
	274267	RETAINER, SPRING 6V53									1			
		@ INCREASES IDLE SPEED TO 650 RPM.												
		# INCREASES IDLE SPEED TO 350 RPM.												
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5129726	TUBE ASSY., 2,3,4-53 (DEV. L. 11.36") (WEIGHT HOUSING)	1				1		1	1		1	1	
5D	**5144695**	* TUBE ASSY., 4-53 (DEV. L. 8.08") (TEE TO CONTROL HSG.) (A & B ENGINES)	1											
5D	**5166265**	ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)	1				1		1	1		1	1	
	8924170	CONNECTOR, 1/4" TUBE (12.9460)	1				1		1	1		1	1	
5D	**5143990**	TEE, 1/4"-1/4" TUBE X 1/8" PIPE (IN WEIGHT HOUSING)	1											
	8924380	@ PLUG, 1/4" PIPE (12.9550)	1											
		* USED TO LUBRICATE UPPER CONTROL HOUSING.												
		@ IN CONTROL HOUSING. NOT REQUIRED WITH A CONTROL HOUSING LUBRICATION TUBE.												
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5146132	SPRING, 2,4-53 (TORSION) (C & D ENG.)					1		1				1	
	5147598	SPRING, 3,4-53 (TORSION) (A & B ENG.)	1											
		2.7960 - GEAR, GOVERNOR DRIVE												
	5116025	* GEAR, 2, 3, 4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)	1				1		1	1		1	1	
	5107076	+ GEAR, 2, 3, 4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)	1				1		1	1		1	1	
	5116026	* GEAR, 2, 3, 4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)	1				1		1	1		1	1	
	5107077	+ GEAR, 2, 3, 4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)	1				1		1	1		1	1	
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1				1		1	1		1	1	
	9434177	NUT, 5/16"-18 LOCK (12.9140)	1				1		1	1		1	1	
		* THRU 3D-170682 AND 4D-180938.												
		+ EFF. WITH 3D-170683 AND 4D-180939.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
	2.7001	**- GOVERNOR ASSY.**												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7002, 2.7045 THRU 2.7810 EXCEPT 2.7165, 2.7520, 2.7530, 2.7740 AND 2.7890. CLOSED LINKAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS DO NOT INCLUDE ITEMS IN 2.7470.												
	5129805	& GOVERNOR ASSY., 4-53 (LIMITING) (5107127)		1										
	5141160	& GOVERNOR ASSY., 2-53 (VARIABLE) (5107140)			1									
	5116008	& GOVERNOR ASSY., 6V53 (VARIABLE) (5103750)				1								
	5142879	& GOVERNOR ASSY., 6V53 (VARIABLE) (5103796)					1							
	5143045	* GOVERNOR ASSY., 4-53 (LIMITING)						1						
	5143988	& GOVERNOR ASSY., 3-53 (SINGLE RANGE CONSTANT SPEED) (5143809)							1					
	5129815	& GOVERNOR ASSY., 3, 4-53 (VARIABLE) (5107139)									1			
	5129816	& GOVERNOR ASSY., 3, 4-53 (VARIABLE) (5107142)										1		1
	5129814	& GOVERNOR ASSY., 4-53 (VARIABLE) (5107142)											1	
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)		2	2			2	2		2	2	2	2
5A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2			2	2		2	2	2	2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				6	6							
5A	**9414285**	BOLT, 3/8"-24X7/8" 12 PT. HD.		3	3			3	3		3	3	3	3
	5145225	WASHER, 3/8" COPPER (12.9190)		3	3			3	3		3	3	3	3
	9414322	WASHER, 3/8" (12.9190)		2	2			2	2		2	2	2	2
	103341	WASHER, 3/8" (12.9190)					6							
	103320	LOCKWASHER, 5/16" (12.9200)		2	2			2	2		2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)				6	6							
		& NOT SERVICED, FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
		* NOT SERVICED; COMPONENTS ARE AVAILABLE.												
	2.7002	**- NAME PLATE, GOVERNOR**												
	5122166	NAME PLATE		1	1	1	1	1	1		1	1	1	1
	145369	SCREW, #4X3/16" RED. HD. DR.		2	2	2	2	2	2		2	2	2	2
	2.7010	**- GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE**												
5B	**5116336**	GASKET, 2,3,4-53		1	1			1	1		1	1	1	1
	5121345	GASKET, 6V53 (TO END PLATE)				1	1							
	2.7045	**- COVER ASSY., GOVERNOR-COMPLETE**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5126429	COVER ASSY., 3,4-53 (LIMITING) (A & B ENG.) (PAGE B1)		1				1						
	5126432	COVER ASSY., 2,3-53 (VARIABLE) (C & D ENG.) (PAGE A1)			1				1		1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE (CONT'D)												
	5126433	COVER ASSY., 3,4-53 (VARIABLE & CONSTANT) (A & B ONLY) (PAGE A1)										1	1	1
	5126641	# COVER ASSY., 6V53 (VARIABLE) (PAGE A1)				1	1							
	5101768	RETAINER			1	1	1				1	1	1	1
5J,M	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (WITH LOCKWASHER) (12.9010)		4	3	6	6	4	4		3	3	3	3
	453007	SCREW, 1/4"-20X1" (W/LW)			1	1	1				1	1	1	1
		# NOT SERVICED, USE 5103752.												
		2.7051 - GASKET, GOVERNOR COVER												
5E,H	**5122742**	GASKET, 2,3,4-53		1	1			1	1		1	1	1	1
5J	**5121342**	GASKET, 6V53				1	1							
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5H,J	**5183042**	LEVER, 3,4,6V53 (2.9410)		1				1						
	5137123	LEVER, 6V53 (2.9410)				1								
5H,J	**443603**	BOLT, 1/4"-20X3/4" (12.9001)		1				1						
	179796	BOLT, 1/4"-20X7/8" (12.9001)				1								
	186647	BOLT, 1/4"-20X1" (12.9001)						1						
5H,J	**120380**	LOCKWASHER, 1/4" (12.9200)		1		1		1						
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
5E,H	**5107147**	LEVER, 2,3,4-53 (2.9361)		1	1				1		1	1	1	1
5J	**5151519**	LEVER, 2-6V53			1	1	1							
	5120069	LEVER, 4-53 (2.9340)						1						
	5129711	SPRING, 6V53					1							
	5147598	SPRING, 3-53							1			1	1	1
5E,J	**213546**	BOLT, 1/4"-20X1" (12.9001)		2	2	1	1	2	2			1	1	1
5E,J	**103319**	LOCKWASHER, 1/4" (12.9200)		2	2	1	1	2	2			1	1	1
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5D	**5122757**	# HOUSING, 3,4-53 (A & B ENG.) (5144089)		1				1				1	1	1
5D	**5122756**	# HOUSING, 2, 3-53 (C & D ENG.) (5144090)			1				1		1			
5J	**5121001**	HOUSING ASSY., 6V53 (INCLUDES ITEMS IN. 2.7230 THRU 2.7300)				1	1							
	5116262	ADAPTOR, INJECTOR CONTROL LINK BOOT 2,3,4-53 (2.7830)		1	1			1	1		1	1	1	1
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V53				1	1							
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9390)				1	1							
	5152462	PLUG, 1 1/8" CUP				1								
	9417025	PLUG, 1 3/4" EXPANSION					1							
5J	**5150942**	PIN, DOWEL (COVER ALIGNING)				2	2							
5J	**141242**	PIN, 3/8"X7/8" (12.9290)					2							
5J	**5119314**	PIN, 3/8"X1.68" (CONTROL LINK LEVER SHAFT)				1	1							
5J	**5116071**	PIN (TO CYLINDER BLOCK END PLATE)				1	1							
	105451	GASKET, 3/8" COPPER (12.9360)							1					
	113699	BOLT, 3/8"-24X1/2" (12.9001)							1					

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL (CONT'D)												
		# NOT SERVICED, USE NUMBER IN PARENTHESES AND INCLUDE (1) 8924749 PLUG.												
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280 AND BEARING IN 2.7260.												
	5122753	SHAFT ASSY., 3,4-53 (A & B ENG.)		1				1				1	1	1
	5122752	SHAFT ASSY., 2,3,4-53 (C & D ENG.)			1				1	1	1			
	5121458	SHAFT ASSY., 6V53				1	1							
		2.7255 - SHAFT, GOVERNOR OPERATING												
5D	**5122751**	SHAFT, 2,3,4-53		1	1			1	1	1	1	1	1	1
5J	**5121339**	SHAFT, 6V53				1	1							
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	**5122754**	TUBE, 2,3,4-53		1	1			1	1		1	1	1	1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	**9431894**	BEARING		1	1	1	1	1	1		1	1	1	1
5D,J	**9421917**	SCREW & LOCKWASHER ASSY. #10-24X7/16" (12.9025)		1	1			1	1		1	1	1	1
5D,J	**120391**	WASHER, #10 (12.9190)		1	1	1	1	1	1		1	1	1	1
	115545	LOCKWASHER, #10 (12.9200)				1	1							
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5D,K	**9431887**	BEARING, 2,3,4-53		1	1			1	1		1	1	1	1
5J	**954987**	BEARING, 6V53				1	1							
5D,K	**9413284**	RING, SNAP (TO HOUSING)		1	1			1	1		1	1	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5D	**5122750**	LEVER ASSY., 3,4-53 (A & B ENG.)		1				1				1	1	1
5D	**5122749**	LEVER ASSY., 2,3-53 (C & D ENG.)			1				1		1			
5J	**5116011**	LEVER ASSY., 6V53				1	1							
5M	**5150898**	SCREW, 2,3,4,6V53 (GAP ADJUSTING)		1	1			1	1		1	1	1	1
5M	**5132962**	SCREW, 6V53 (GAP ADJUSTING)				1	1							
	114492	LOCKNUT, 1/4"-28 (12.9120)		1	1	1	1	1	1		1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5D	**5122741**	FORK, 2,3,4-53	1	1	1	1	1	1	1			1		1
5J	**5138335**	FORK, 6V53									1			
	9425382	SCREW & LOCKWASHER ASSY., #10-32X5/8" (12.9001)	2	2	2	2	2	2	2			2		2
	9421917	SCREW, #10-24X7/16" RD. HD. (12.9025)									1			
	120217	LOCKWASHER, #10 (12.9200)									1			
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5D	**5122746**	PIN, 2,3,4-53	1	1	1	1	1	1	1			1		1
5J,M	**5150943**	PIN, 6V53								1	1		1	
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL												
		A LEVER ASSY. INCLUDES PIN IN 2.7315.												
5D	**5126311**	LEVER ASSY. (LIMITING SPEED)					1							
5D	**5122743**	LEVER ASSY., 3,6V53	1	1	1	1		1	1			1		1
5J	**5124209**	LEVER ASSY., 6V53									1			
5D,J	**5150941**	WASHER, 21/64"	1	1	1		1	1	1	1	1		1	1
	120391	WASHER, 3/16" (12.9190)			1	1	1							1
5M	**142583**	RETAINER, 13/64" SPRING (12.9460)	1		1		1	1	1		1		1	1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING												
5M	**5145006**	LINK, 8V53											1	
5M	**5132755**	LINK, 8V53								1				
5M	**142583**	RETAINER, 13/64" SPRING (12.9460)								1			1	
5M	**5150941**	WASHER, 21/64" (2.7310)								1			1	
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
5J	**5150943**	PIN, 6V53 (2.7300)				1	1							
	5126310	PIN, 3,4-53 (LIMITING SPEED)		1				1						
	5122745	PIN, 2,3,4-53			1				1		1	1	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
5J	**5121490**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)				1	1							
5J,M	**9437946**	BEARING, NEEDLE (2.7440)				2	2							
5J,M	**5117693**	PIN, 1.00"L.				2	2							
5J	**142583**	RETAINER, 1/4" SPRING (12.9640)				1								
5J	**148148**	RETAINER, 1/4" SPRING (12.9640)					1							
5J	**5151487**	WASHER (2.7430)				2	2							
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	**5129731**	HOUSING, 3,4-53 (A & B ENG.)		1				1				1	1	1
5D,K	**5129730**	HOUSING, 2,3-53 (C & D ENG.)			1				1		1			
5K	**5119127**	BUSHING (WEIGHT SHAFT END)		1	1			1	1		1	1	1	1
5D,K	**9428477**	PLUG, CUP 15/16" DIA. (3.4030)		1	1			1	1		1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
	2.7350	**- SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5100061	SHAFT & CARRIER ASSY., 3, 4-53 (PAGE C1)		1				1						
	5125042	* SHAFT & CARRIER ASSY., 2,4-53 (PAGE C1)			1								1	
	5122882	SHAFT & CARRIER ASSY., 6V53 (PAGE C1)				1								
	5122883	SHAFT & CARRIER ASSY., 6V53 (PAGE C1)					1							
	5143287	@ SHAFT & CARRIER ASSY., 2-53 (PAGE D1) (5196856)							1					
	5125043	* SHAFT & CARRIER ASSY., 3,4-53 (PAGE C1)									1	1		1
	110529	SCREW, #10-24X1/4" (12.9300)		1	1	1		1	1		1	1	1	1
		* NOT SERVICED, COMPONENTS ARE AVAILABLE.												
		@ NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. SHOWN IN PARENTHESES.												
	2.7460	**- BEARING, GOVERNOR WEIGHT RISER THRUST**												
5M	**9437108**	BEARING										1	1	1
	2.7470	**- BEARING, GOVERNOR WEIGHT SHAFT END**												
5L	**907045**	BEARING, 2,3,4-53 (N.D. #3203L1A)		1	1						1			1
5J	**907674**	BEARING, 6V53				1	1							
5L	**9411502**	RETAINER		1	1						1	1	1	
	5152462	PLUG, 1 1/8" EXPANSION (2.7230)					1							
	2.7475	**- SPACER, GOVERNOR WEIGHT SHAFT**												
5B	**5122738**	SPACER (BETWEEN GEAR AND BEARING)		1	1			1	1		1	1	1	1
	2.7540	**- SPRING, GOVERNOR LOW SPEED**												
5G	**5183704**	SPRING, 3,4-53 (TWO YELLOW STRIPES)		1										
	5122165	SPRING, 4,6V53 (ONE BLUE STRIPE)						1						
	2.7550	**- SPRING, GOVERNOR HIGH SPEED**												
	5126272	SPRING, 6V53 (ONE ORANGE STRIPE)		1										
	5124417	+ SPRING, 3-53 (TWO RED STRIPES)							1					
	5132444	SPRING, 3,4-53 (TWO GREEN STRIPES)						1						
	5129071	+ SPRING, 4-53 (THREE BLUE STRIPES)						AR						
		+ OBSOLETE												

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G	**5126135**	PLUNGER, 4-53		1				1						
	5125418	PLUNGER, 3-53							1					
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5G,M	**5150892**	SEAT, 4-53		1				1						
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	**5103975**	CAP, 4-53		1				1						
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
	5130034	* SCREW		1				1						
	114492	LOCKNUT, 1/4"-28 (12.9120)		1				1						
		* NOT SERVICED, USE 5102256 PLUS 5101798.												
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
5G	**5150947**	SHIM, .010"		AR				AR	AR					
5G	**5151249**	SHIM, .078"		AR				AR	AR					
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G	**5174436**	RETAINER							1					
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
	5131132	COVER, 3,4,6V53		1				1	1					
	5153408	* BOLT, 5/16"-18X1/2" (12.9001)							2					
	220623	BOLT, 5/16"-18X3/4" (12.9001)		2				2						
	5155596	WASHER, 5/16" (COPPER) (12.9190)							2					
	103320	LOCKWASHER, 5/16" (12.9200)		2				2						
		* OBSOLETE												
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G,M	**8922593**	GASKET, 3,4,6V53		1				1	1					
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5132980	* HOUSING ASSY., 2-53 (PAGE F1) (5144009)			1									
	5139262	HOUSING ASSY., 3,4-53 (PAGE F1)									1			
	5126121	* HOUSING ASSY., 6V53 (PAGE E1) (5139263)				1								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING (CONT'D)												
	5126841	* HOUSING ASSY., 6V53 (PAGE E1) (5139262)					1							
	5139662	HOUSING ASSY., 3,4-53 (PAGE F1)										1	1	1
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)			2	2	2				2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)			2	2	2				2	2	2	2
		* NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES WHICH INCORPORATES A NEW WIDER ROLLER BEARING.												
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING												
5F	**8922593**	GASKET, 2,3,4,6V53 (2.7650)			1	1	1				1	1	1	1
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
5F	**5127397**	SPRING, 6V53 (TWO LIGHT BLUE STRIPES)			1	1	1				1	1	1	1
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
	5162661	PLUNGER, 2,3,4-53			1						1	1	1	1
	5152938	PLUNGER, 6V53				1	1							
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
	5152939	GUIDE			1	1	1				1	1	1	1
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
5F	**5137276**	RETAINER			1	1	1				1	1	1	1
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
5F	**5171784**	STOP, 2,3,4,6V53 (WITH STEP)			1	1	1				1	1	1	1
5F	**5174430**	STOP, 2,3,4,6V53 (WITH GAP)			1	1	1				1	1	1	1
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
5F	**5136590**	SHIM, .010"			AR	AR	AR				AR	AR	AR	AR
5F	**5136591**	SHIM, .078"			AR	AR	AR				AR	AR	AR	AR

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
5D	5139678	SCREW ASSY., 4-53 (INCLUDES SPRING)		1				1						
	5183773	SCREW ASSY., 2, 3, 4-53 (INCLUDES SPRING)			1						1	1	1	1
5D	5177083	SCREW ASSY., 3,4-53(INCLUDES SPRING)									1			
	5126073	SCREW ASSY., 6V53 (INCLUDES SPRING)				1	1							
	5174286	NUT, 3/8"-24 (12.9140)			1	1	1				1	1	1	1
	124925	NUT, 3/8"-24 (12.9120)		1	1		1	1						
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
	5197358	KIT, GOVERNOR CONTROL LINK 3-53 (2.8940)	1											
	5139680	# LINK, 3-53 (2.8940)	1											
7A	5122797	LINK, 2,3,4-53		1	1			1					1	1
	5121472	LINK, 6V53 (LOWER)				1	1							
	5121453	LINK, 6V53 (LEFT BANK UPPER)				1	1							
	5121452	LINK, 6V53 (RIGHT BANK UPPER)				1	1							
7A	5122798	LINK, 3,4,6V53				1		1	1					
7A	5140497	LINK, 3-53 (2.8940)								1				
	5120273	BEARING, ROD END (2.9730)								1				
	5140751	SPACER, 17/64"X1/2"X1/4"								1				
7A	5147345	PIN (TO CONTROL LINK) (2.9022)	1	1	1	2	2	1	1	1	1	1	1	1
7A	103361	PIN, 1/16"X1/2" COTTER (12.9250)	2	1	1	2	2	1	1	1	1	1	1	1
	142583	RETAINER, SPRING 13/64" (12.9460)		1	1		1	1	1		1	1	1	
	181317	BOLT, 1/4"-28X1 1/4" (12.9190)								1				
	5150941	WASHER, 21/64" (2.7310)		1	1		1	1	1		1	1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)								1				
	454750	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOWER LINK) (12.9120)				2	2							
		# NOT SERVICED; USE LINK KIT SHOWN IN SAME TYPE.												
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5121252	ADAPTOR, 3-53 (IN HEAD) (BEADED END)	1							1				
4A	5116262	ADAPTOR, 2,3,4,6V53 (IN HEAD) (PLAIN END)		1	1	2	2	1	1		1	1	1	1
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129707	HOSE, 7/8" I.D.X1.26" L. 2, 3, 4-53 (A & C ENG.)		1	1			1					1	1
	5129706	HOSE, 7/8" I.D.X1.62" L. 6V53 (RIGHT BANK)				1	1							
	5129705	HOSE, 7/8" I.D.X.75" L. 3, 4, 6V53 (LEFT BANK)				1	2		1		1	1		
	5126072	HOUSING, LINK 6V53 (LEFT BANK)				1	1							
	5121385	BOOT	1							1				
	272855	CLAMP, HOSE (SPRING 1 1/4")		2	2			2					2	2
	5186840	CLAMP, HOSE 1 3/16" (12.9660)				4	4		1		1	1		
	5105130	+ CLAMP, 1" HOSE (4.8175)												2
		+ OPTIONAL.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 945	946	948	960	984	1034	1048	1059	1070	1073	1074	1076
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
5D	**5144093**	* TUBE ASSY., 3,4-53 (DEV. L. 7.32) (TEE TO CONTROL HOUSING)(C & D ENG.)									1			
5D	**5144695**	* TUBE ASSY., 3,4-53 (DEV. L. 8.08) (TEE TO CONTROL HOUSING)(A & B ENG.)							1			1	1	1
	5129726	@ TUBE ASSY., 2,3,4-53 (DEV. L. 11.36)		1	1			1	1		1	1	1	1
5D	**5144068**	TUBE ASSY., 3-53 (DEV. L. 9.93)							1					
5D	**5143990**	* TEE, 1/4"-1/4" TUBE X 1/8" PIPE (IN WEIGHT HOUSING)							1		1	1	1	1
	5143991	ADAPTOR, .040" RESTRICTED.							1					
5D	**5166265**	* ELBOW, 1/4" TUBE X 1/8" PIPE, 90 DEG. (7.4074)		1	1			1						
	8925032	ELBOW, 1/4" TUBE-90 DEG. (12.9480)							1					
	8924380	# PLUG, 1/8" PIPE (12.9550)			1	1				1	1	1	1	1
	8924170	@ CONNECTOR, 1/4" TUBE X 1/8" PIPE (12.9460)		1	1			1	1		1	1	1	1
	113699	BOLT, 3/8"-24X1/2" (12.9001)							1					
		* PART OF GOVERNOR ASSY. USED TO LUBRICATE UPPER CONTROL HOUSING.												
		@ NOT PART OF GOVERNOR ASSY.												
		# IN CONTROL HOUSING, NOT REQUIRED TUBE.												
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5146132	SPRING, 2-53 (TORSION) (C & D ENG.)			1						1			
	5129711	SPRING, 6V53 (TORSION)				1								
		2.7960 - GEAR, GOVERNOR DRIVE												
	5116025	* GEAR, 2,3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)	1	1	1			1	1	1	1	1	1	1
	5107076	+ GEAR, 2,3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)	1	1	1			1	1	1	1	1	1	1
	5116026	* GEAR, 2,3,4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)	1	1	1			1	1	1	1	1	1	1
	5107077	+ GEAR, 2,3,4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)	1	1	1			1	1	1	1	1	1	1
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1			1	1	1	1	1	1	1
	9434177	NUT, 5/16"-18 LOCK (12.9140)	1	1	1			1	1	1	1	1	1	1
		* THRU 3D-170682 AND 4D-180938.												
		+ EFF. WITH 3D-170683 AND 4D-180939.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1080	1085	1122	1144	1153	1154	1155	1157	1168	1202	1204
	2.7001	**- GOVERNOR ASSY.**											
		FOR TYPE 1166 USE TYPE 1122. A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7002, 2.7045 THRU 2.7810 EXCEPT 2.7165, 2 .7520, 2.7530, 2.7740 AND 2.7890. CLOSED LINKAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS DO NOT INCLUDE ITEMS IN 2.7470.											
	5147138	GOVERNOR ASSY., 8V53 (LIMITING)											1
	5137430	# GOVERNOR ASSY., 3-53 (VARIABLE) (5107143)										1	
	5129815	# GOVERNOR ASSY., 3, 4-53 (VARIABLE) (5107139)				1							
	5129816	# GOVERNOR ASSY., 3, 4-53 (VARIABLE) (5107142)							1				
	5129813	# GOVERNOR ASSY., 3-53 (VARIABLE) (5107139)	1										
	5143809	GOVERNOR ASSY., 3-53 (SINGLE RANGE CONSTANT SPEED)		1				1					
	5138851	# GOVERNOR ASSY., 3-53 (VARIABLE) (5107139)			1								
	5139676	# GOVERNOR ASSY., 3-53 (LIMITING) (5107127)					1						
	5144317	GOVERNOR ASSY., 8V53 (LIMITING)								1			
	5145924	# GOVERNOR ASSY., 6V53 (LIMITING) (5103745)									1		
	9414285	SCREW, 3/8"-24X7/8" FIL. HD.					1						
	9428477	PLUG, 15/16" CUP		1									
	186629	BOLT, 5/16"-18X1" (12.9001)								1			1
A	**180083**	BOLT, 5/16"-18X1 1/2" (12.9001)	2	2	2	2	2	2	2			2	
A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2		2	2			2	
	9426895	BOLT, 3/8"-16X1 1/4" (12.9005)					2						
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)								4			4
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)									6		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)								1			1
	187491	BOLT, 3/8"-16X5 1/2" (12.9001)								1			1
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)								1			1
5A	**9414285**	BOLT, 3/8"-24X7/8" 12 PT. HD.	3	3	3	3	3	3	3			3	
	179858	BOLT, 7/16"-14X1" (12.9001)								2			2
	5152148	WASHER, 3/8"X9/16" COPPER (2.4050)								4		4	4
	5151487	WASHER (2.7430)					2						
	120393	WASHER, 5/16" (12.9190)											1
	103341	WASHER, 3/8" (12.9190)									6		
	5145225	WASHER, 3/8" COPPER (12.9190)	3	3	3	3	3	3	3				
	9414322	WASHER, 3/8" (12.9190)	2	2	2	2	2	2	2				
	5150568	WASHER, 7/16"X3/4" COPPER (2.4050)								2			2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	1		2	
	103321	LOCKWASHER, 3/8" (12.9200)								3	6		3
		# NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR A COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES.											
	2.7002	**- NAME PLATE, GOVERNOR**											
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1
	5105180	NAME PLATE (PORTUGESE)					1						
	145369	SCREW, #4X3/16" RED. HD. DR.	2	2	2	2	2	2	2	2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10080	10085	11224	11454	11535	11545	11555	11577	11688	12020	12040
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE											
5B	**5116336**	GASKET, 3,4-53	1	1	1	1	1	1	1			1	
	5121345	GASKET, 6V53 (TO END PLATE)									1		
	5132765	GASKET, 8V53 (3.4190)								1			1
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE											
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.											
	5126429	COVER ASSY., 3-53 (LIMITING) (A & B ENG.) (PAGE B1)					1						
	5126432	COVER ASSY., 3,4-53 (VARIABLE) (C & D ENG.) (PAGE A1)	1		1	1							
	5107137	COVER ASSY., 3, 4-53 (CONSTANT SPEED) (PAGE A1)		1				1					
	5126433	COVER ASSY., 3,4-53 (VARIABLE & CONSTANT) (A & B ONLY) (PAGE A1)							1			1	
5M	**5132809**	COVER ASSY., 8V53 (LIMITING) (A ENG.) (PAGE B1)								1			1
	5129682	% COVER ASSY., 6V53 (LIMITING) (A ENG.) (PAGE B1) (5103748)									1		
	5101768	RETAINER	1		1	1			1			1	
5M	**5183701**	SCREW, 1/4"-20X5/8" FIL. HD. (2.7812)								1			1
5J,M	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (WITH LOCKWASHER) (12.9010)	3	4	3	3	4	4	3	7	8	3	7
	453007	SCREW, 1/4"-20X1" (W/LW) (12.9025)	1		1	1			1			1	
		% NOT SERVICED, USE PART NUMBER IN PARENTHESES.											
		2.7051 - GASKET, GOVERNOR COVER											
5E,H	**5122742**	GASKET, 3,4-53	1	1	1	1	1	1	1			1	
5J	**5121342**	GASKET, 6V53									1		
5M	**5132783**	GASKET, 8V53								1			1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT											
5H,J	**5183042**	LEVER (2.9410)					1			1	1		1
5H,J	**443603**	BOLT, 1/4"-20X3/4" (12.9001)					1			1			1
	179796	BOLT, 1/4"-20X7/8" (12.9001)									1		
5H,J	**120380**	LOCKWASHER, 1/4" (12.9200)					1			1	1		1
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT											
5E,H	**5107147**	LEVER, 3,4-53 (2.9361)	1	1	1	1		1	1			1	
5J	**5151519**	LEVER, 6,8V53								1	1		1
	5120069	LEVER, 3-53					1						
	5147598	SPRING, 3,4-53 (2.7910)		1				1	1			1	
5E,J	**213546**	BOLT, 1/4"-20X1" (12.9001)	1	2	1	1	1	1	1	1	1	1	1
5E,J	**103319**	LOCKWASHER, 1/4" (12.9200)	1	2	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1080	1085	1122	1144	1153	1154	1155	1157	1168	1202	1204
	2.7230 - HOUSING ASSY., GOVERNOR CONTROL												
5D	**5122757**	# HOUSING, 3,4-53 (A & B ENG.) (5144089)					1		1			1	
5D	**5122756**	# HOUSING, 3,4-53 (C & D ENG.) (5144090)	1		1	1							
5J	**5145923**	HOUSING, 6V53 (A ENG.)									1		
	5136831	HOUSING ASSY., 8V53 (INCLUDES TUBES AND DOWELS)								1			1
	5116262	ADAPTOR, INJECTOR CONTROL LINK BOOT 3,4-53 (2.7830)	1		1	1	1	1	1	2		1	2
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V53									2		
	5136071	PLUG (.386"DIA.)								1			1
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9390)									1		
5J	**5150942**	PIN, DOWEL (COVER ALIGNING)								2	2		2
5J	**5145823**	PIN, .375"X2.12" SPECIAL									1		
5J	**5116071**	PIN (TO CYLINDER BLOCK END PLATE)									1		
	105451	GASKET, 3/8" COPPER (12.9360)		1				1					
	113699	BOLT, 3/8"-24X1/2" (12.9001)		1				1					
		# NOT SERVICED, USE NUMBER IN PARENTHESES AND INCLUDE (1) 8924749 PLUG.											
	2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280 AND BEARING IN 2.7260.											
	5122753	SHAFT ASSY., 3,4-53 (A & B ENG.)					1		1			1	
	5122752	SHAFT ASSY., 3,4-53 (C & D ENG.)	1	1	1	1		1					
	5121458	SHAFT ASSY., 6V53									1		
	2.7255 - SHAFT, GOVERNOR OPERATING												
5D	**5122751**	SHAFT, 3,4-53	1	1	1	1	1	1	1			1	
5J	**5121339**	SHAFT, 6V53									1		
5M	**5133437**	SHAFT, 8V53 (INCLUDES INTEGRAL BEARINGS)								1			1
	2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	**5122754**	TUBE, 3,4-53	1		1	1	1	1				1	
	2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	**9431894**	BEARING	1	1	1	1	1	1	1		1	1	
5D,J	**9421917**	SCREW & LOCKWASHER ASSY. #10-24X7/16" (12.9025)	1	1	1	1	1	1	1	1		1	1
5D,J	**120391**	WASHER, #10 (12.9190)		1				1		1		1	1
	2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5D,K	**9431887**	BEARING, 3,4-53	1	1	1	1	1	1	1			1	
5J	**954987**	BEARING, 6V53									1		
5D,K	**9413284**	RING, SNAP (TO HOUSING)	1	1	1	1	1	1	1			1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10800	10850	11222	11444	11534	11554	11555	11557	11668	12002	12004
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER											
		A LEVER ASSY. INCLUDES PIN IN 2.7300.											
5D	**5122750**	LEVER ASSY., 3,4-53 (A & B ENG.)							1			1	
5D	**5122749**	LEVER ASSY., 3,4-53 (C & D ENG.)	1	1	1	1		1					
5J	**5116011**	LEVER ASSY., 6V53									1		
5M	**5132747**	LEVER ASSY., 8V53 (A ENG.)								1			1
5M	**5150898**	SCREW, 3,4-53 (GAP ADJUSTING)	1	1	1	1	1	1				1	
5M	**5132962**	SCREW, 6,8V53 (GAP ADJUSTING)									1		
5J	**5145007**	SCREW, 8V53 (GAP ADJUSTING)								1			1
5J	**5145008**	SCREW, 8V53 (GAP ADJUSTING STOP)								1			1
	114492	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1			1	1	
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER											
5D	**5122741**	FORK, 3,4-53	1	1	1	1	1	1	1			1	
5J	**5138335**	FORK, 6V53									1		
5M	**5133024**	FORK, 8V53								1			1
	9425382	SCREW & LOCKWASHER ASSY., #10-32X5/8" (12.9001)	2	2	2	2	2	2	2			2	
	9421917	SCREW, #10-24X7/16" RD. HD. (12.9025)									1		
	120217	LOCKWASHER, #10 (12.9200)									1		
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER											
5D	**5122746**	PIN, 3,4-53	1	1	1	1	1	1	1			1	
5J,M	**5150943**	PIN, 6,8V53								1	1		1
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL											
		A LEVER ASSY. INCLUDES PIN IN 2.7315.											
5D	**5126311**	LEVER ASSY., 3-53 (LIMITING SPEED)					1						
5D	**5122743**	LEVER ASSY., 3,4-53	1	1	1	1		1	1			1	
5J	**5124209**	LEVER ASSY., 6V53									1		
5M	**5150394**	LEVER ASSY., 8V53 (LIMITING SPEED)								1			1
5D,J	**5150941**	WASHER, 21/64"	1	1	1		1	1	1	1	1		1
	120391	WASHER, 7/32" X 1/2" (12.9190)			1	1	1						
5M	**142583**	RETAINER, 13/64" SPRING (12.9460)	1		1		1	1	1		1		1
		2.7312 - LINK, GOVERNOR OPERATING LEVER CONNECTING											
5M	**5145006**	LINK, 8V53											1
5M	**5132755**	LINK, 8V53								1			
5M	**142583**	RETAINER, 13/64" SPRING (12.9460)								1			1
5M	**5150941**	WASHER, 21/64" (2.7310)								1			1
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER											
5J	**5150943**	PIN, 6V53 (2.7300)									1		
	5126310	PIN, 3-53 (LIMITING SPEED)					1						
	5122745	PIN, 3,4-53	1	1	1	1		1	1			1	
5M	**5150894**	PIN, 8V53 (LIMITING SPEED)								1			1

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 10800	10850	11222	11443	11543	11554	11555	11557	11668	12002	12004
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING											
5M	**5127373**	LEVER ASSY., 8V53 (INCLUDES NEEDLE BEARINGS)								1			1
5J	**5145820**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)									1		
5J,M	**9437946**	BEARING, NEEDLE (2.7440)								2	2		2
5M	**5143866**	PIN, 3/8"X29/32"L.								1			
5M	**5127375**	PIN, .309" DIA.X3.12" L.								1			1
5J,M	**5117693**	PIN, 1.00"L.									2		2
5J	**142583**	RETAINER, 1/4" SPRING (12.9640)		1									
5J	**148148**	RETAINER, 1/4" SPRING (12.9640)									1		
5M	**5143865**	CLIP (GOVERNOR CONTROL SHAFT LOCK)								1			
5M	**5122263**	CLIP (GOVERNOR CONTROL SHAFT LOCK)								1			1
5M	**9421917**	SCREW, #10-24X7/16" (WITH LOCKWASHER) (12.9025)								1			1
5J	**5151487**	WASHER (2.7430)									2		
5M	**5150885**	WASHER (2.7430)								1			1
		2.7340 - HOUSING, GOVERNOR WEIGHT											
5D,K	**5129731**	HOUSING, 3,4-53 (A & B ENG.)					1		1			1	
5D,K	**5129730**	HOUSING, 3,4-53 (C & D ENG.)	1		1	1		1					
5K	**5119127**	BUSHING (WEIGHT SHAFT END)	1	1	1	1	1	1	1			1	
5D,K	**9428477**	PLUG, CUP 15/16" DIA. (3.4030)	1		1	1	1		1			1	
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT											
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.											
	5100061	SHAFT & CARRIER ASSY., 3-53 (PAGE B1)					1						
	5125042	* SHAFT & CARRIER ASSY., 3-53 (PAGE B1)	1										
	5125043	* SHAFT & CARRIER ASSY., 3, 4-53 (PAGE C1)			1	1			1			1	
	5144103	* SHAFT & CARRIER ASSY., 3-53 (PAGE B3)		1				1					
	5144315	SHAFT & CARRIER ASSY., 8V53 (PAGE B3)								1			
	5133819	SHAFT & CARRIER ASSY., 6V53 (PAGE B1)									1		
	5133590	SHAFT & CARRIER ASSY., 8V53 (PAGE B1)											1
	110529	SCREW, #10-24X1/4" (12.9300)	1	1	1	1	1	1	1			1	
		* NOT SERVICED, COMPONENTS ARE AVAILABLE.											
		2.7380 - RISER, GOVERNOR											
5M	**5132840**	RISER, 8V53											1
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST											
5M	**9437108**	BEARING	1			1	1		1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1080	1085	1122	1144	1153	1154	1155	1157	1168	1202	1204
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END											
5L	**907045**	BEARING, 3,4-53 (N.D. #3203L1A)	1				1		1				
5J	**907674**	BEARING, 6V53									1		
5M	**907681**	BEARING, 8V53 (N.D. #3303FXR1A)								1			1
5L	**9411502**	RETAINER	1				1						
	5150884	SCREW								1			1
	5152462	PLUG, 1 1/8" EXPANSION (2.7230)									1		
5M	**5150941**	WASHER, 21/64" (2.7310)								1			1
5M	**5150897**	LOCKWASHER								1			1
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT											
5B	**5122738**	SPACER (BETWEEN GEAR AND BEARING)	1	1	1	1	1	1	1			1	
		2.7510 - CAP, GOVERNOR WEIGHT HOUSING											
5M	**5140533**	CAP, 3,4-53							1				1
		2.7515 - GASKET, GOVERNOR WEIGHT HOUSING CAP											
5M	**5134092**	GASKET, 3,4-53							1				1
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING											
	5152716	# COVER, 3,4-53 (3.4223)				1	1		1				
	179816	# BOLT, 5/16"-18X3/4" (12.9001)				3			3				
	186625	# BOLT, 5/16"-18X7/8" (12.9001)					3						
	103320	# LOCKWASHER, 5/16" (12.9200)				3			3				
		# REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.											
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER											
	5150193	# GASKET, 3,4-53 (5.5010)				1	1		1				
		# REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.											
		2.7540 - SPRING, GOVERNOR LOW SPEED											
5G	**5183704**	SPRING, 3,8V53 (TWO YELLOW STRIPES)								1			
	5122165	SPRING, 3,6V53 (ONE BLUE STRIPE)					1				1		
	5151604	SPRING, 8V53 (ONE GREEN STRIPE)											1
		2.7550 - SPRING, GOVERNOR HIGH SPEED											
	5132859	SPRING, 8V53 (ONE ALUMINUM STRIPE)								1			
	5126272	SPRING, 6V53 (ONE ORANGE STRIPE)									1		
	5124201	SPRING, 3-53 (TWO WHITE STRIPES)		1				1					
	5132444	SPRING, 3-53 (TWO GREEN STRIPES)					1						
	5129071	& SPRING, 3,4-53 (THREE BLUE STRIPES)				AR			AR				
	5136160	SPRING, 8V53 (TWO PINK STRIPES)											1
		& OBSOLETE.											

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 10800	10855	11222	11444	11535	11545	11555	11557	11668	12022	12044
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING											
5G	**5126135**	PLUNGER, 3,6V53					1				1		
	5125418	PLUNGER, 3-53		1				1					
5G	**5132854**	PLUNGER, 8V53 (4.74"L.)								1			
	5182555	PLUNGER, 8V53											1
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING											
5G,M	**5150892**	SEAT, 3,6,8V53					1			1	1		1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING											
5G	**5103975**	CAP, 3,6V53					1				1		
5G	**5102968**	CAP, 8V53								1			1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING											
	5101432	PIN, 3.98"L.											1
	5102270	SCREW, 1/4"-28X1" SOC. HD. (12.9076)											1
	5130034	* SCREW, 3-53					1						
	5101770	SCREW, 8V53 (3.34"L.)								1			
	5150891	+ SCREW, 6V53									1		
	114492	LOCKNUT, 1/4"-28 (12.9120)					1			1	1		1
		* NOT SERVICED, USE 5102256 PLUS 5101798.											
		+ NOT SERVICED, USE 5102270 PLUS 5101798.											
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING											
5G	**5150947**	SHIM, .010"		AR			AR	AR			AR		
5G	**5133008**	SHIM, .010" (2.7655)								AR			
	5133009	SHIM, .0538" (2.7655)								AR			
5G	**5151249**	SHIM, .078"		AR			AR	AR			AR		
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING											
5G	**5174436**	RETAINER		1				1			1		
5G	**5132856**	RETAINER (2.60"L.)								1			
5G	**5182557**	RETAINER											1
	5104860	RETAINER					1						
		2.7612 - PISTON, GOVERNOR SPEED ADJUSTING											
	5178857	PISTON, 8V53								1			
	5133752	SEAL RING								1			
	5132857	SPACER								1			
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER											
	5182558	LOCKNUT											1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1080	1085	1122	1144	1153	1154	1155	1157	1168	1202	1204
		2.7620 - GUIDE, GOVERNOR SPRING											
	5124551	GUIDE								1			
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING											
	5131132	COVER, 3,6V53					1				1		
	5153141	* COVER, 3-53		1				1					
	5113869	@ COVER, 8V53								1			
	5153408	+ BOLT, 5/16"-18X1/2" (12.9001)		2				2					
	220623	BOLT, 5/16"-18X3/4" (12.9001)					2				2		
	186274	BOLT, 5/16"-18X5" (12.9001)								2			
	5155596	WASHER, 5/16" COPPER (12.9190)		2				2			2		
	103320	LOCKWASHER, 5/16" (12.9200)					2			2			
		* NOT SERVICED; USE 5131132 PLUS (2) 5153406 BOLTS.											
		@ NOT SERVICED; USE 5123949.											
		+ OBSOLETE											
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW											
	5132858	HOUSING, 8V53 (4.08"L.)								1			
	5182559	HOUSING, 8V53											1
	445520	BOLT, 5/16"-18X3 1/2" (12.9001)											2
	5155596	WASHER, 5/16" COPPER (12.9190)											2
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER											
5G,M	8922593	GASKET		1			1	1		1	1		1
		2.7655 - SCREW, GOVERNOR HIGH SPEED CONTROL											
	9414499	SCREW, 5/16"-24 X 1 1/2" SOCKET SET (12.9076)								1			
	5155596	WASHER, 5/16" COPPER (12.9190)								1			
	214279	*NUT, 5/16"-24 SELF LOCKING* (12.9120)								1			
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING											
		SEE ASSEMBLY BREAKDOWN AS *INDICATED BELOW.*											
	5139262	HOUSING ASSY., 3-53 (PAGE F1)	1										
	5126841	* HOUSING ASSY., 3,4-53 (PAGE E1) (5139262)				1							
	5139662	HOUSING ASSY., 3,4-53 (PAGE F1)							1				
	5127654	* HOUSING ASSY., 3-53 (PAGE E1) (5139262)			1								
	5144096	*HOUSING ASSY., 3-53 (PAGE F1)*										1	
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	2		2	2			2			2	
	5155596	WASHER, 5/16" COPPER (12.9190)			2								
	103320	LOCKWASHER, 5/16" (12.9200)	2		2	2			2			2	

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2.7000A MECHANICAL GOVERNOR

MFG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10800	10805	11122	11144	11153	11154	11155	11157	11168	12020	12040
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING (CONT'D)											
		* NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES WHICH INCORPORATES A NEW WIDER ROLLER BEARING.											
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING											
5F	**8922593**	GASKET, 3,4-53 (2.7650)	1		1	1			1			1	
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED											
5F	**5127397**	SPRING, 3-53 (TWO LIGHT BLUE STRIPES)	1		1	1			1			1	
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING											
	5162661	PLUNGER	1		1	1			1			1	
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER											
	5152939	GUIDE	1		1	1			1			1	
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING											
5F	**5137276**	RETAINER	1		1	1			1			1	
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER											
5F	**5171784**	STOP, 3,4-53 (WITH STEP)	1		1	1			1			1	
5F	**5174430**	STOP, 3,4-53 (WITH GAP)	1		1	1			1			1	
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING											
5F	**5136590**	SHIM, .010"	AR		AR	AR			AR			AR	
5F	**5136591**	SHIM, .078"	AR		AR	AR			AR			AR	
		2.7810 - SCREW ASSY., GOVERNOR BUFFER											
5D	**5139678**	SCREW ASSY., 3-53 (INCLUDES SPRING)					1						
	5183773	SCREW ASSY., 3,4-53 (INCLUDES SPRING)	1		1				1			1	
5D	**5177083**	SCREW ASSY., 3,4-53 (INCLUDES SPRING)				1						1	
5M	**5132757**	SCREW ASSY., 8V53 (INCLUDES SPRING)								1			1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1080	1085	1122	1144	1153	1154	1155	1157	1168	1202	1204
		2.7810 - SCREW ASSY., GOVERNOR BUFFER (CONT'D)											
	5172383	SCREW ASSY., 6V53 (INCLUDES SPRING)									1		
	5174286	NUT, 3/8"-24 (12.9140)	1		1				1	1	1	1	1
	124925	NUT, 3/8"-24 (12.9120)				1	1						
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK											
7A	5122797	LINK, 3-53			1							1	
	5121472	LINK, 6, 8V53								2	2		2
	5121453	LINK, 6V53 (LEFT BANK UPPER)									1		
	5121452	LINK, 6V53 (RIGHT BANK UPPER)									1		
7A	5122798	LINK, 3,4-53	1	1		1	1	1	1				
	5132784	LINK, 8V53 (LEFT BANK UPPER)								1			1
	5132785	LINK, 8V53 (RIGHT BANK UPPER)								1			1
7A	5147345	PIN (LINK TO INJECTOR CONTROL TUBE LEVER)	1	1	1	1	1	1	1	2	2	1	2
7A	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1	2	1	1	1	2	1	2	2	1	2
	142583	RETAINER, SPRING 13/64" (12.9460)	1	1	1	1	1	1	1			1	
	5150941	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1				
	454750	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOWER LINK) (12.9120)								2	2		2
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK											
4A	5116262	ADAPTOR (IN HEAD) (PLAIN END)	1	1	1	1	1	1	1	2	2	1	2
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK											
	5129707	HOSE, 3-53 7/8" I.D. X 1.26" L. (A & C ENG.)			1							1	
	5132843	HOSE, 8V53 7/8" I.D. X .50" L. (A ENG.)								2			2
	5129706	HOSE, 6V53 7/8" I.D. X 1.62" L. (RIGHT BANK)									1		
	5129705	HOSE, 3, 4-53, 7/8" I.D. X .75" L. (LEFT BANK)	1	1		1	1	1	1		2		
	5126072	HOUSING, LINK 6V53 (LEFT BANK)									1		
	272855	CLAMP, HOSE (SPRING 1 1/4")			2							2	
	5186840	CLAMP, HOSE 1 3/16" (12.9660)	1	1		1	1	1	1	2	4		2
	5105130	* CLAMP, 1" HOSE (4.8175)			2								
		* OPTIONAL.											
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION											
5D	5144093	* TUBE ASSY., 3-53 (DEV. L. 7.32") (TEE TO CONTROL HOUSING) (C & D ENG.)	1	1	1								
	5129726	@ TUBE ASSY., 3,4-53 (DEV. L. 11.36")	1	1	1	1	1	1	1			1	
5D	5143990	* TEE, 1/4"-1/4" TUBE X 1/8" PIPE (IN WEIGHT HOUSING)	1	1	1								
5D	5166265	* ELBOW, 1/4" TUBE X 1/8" PIPE, 90 DEG. (7.4074)		1	1	1	1	1	1			1	
	5145009	# PLUG, 1/4" PIPE (12.9550)	1	1	1								
	8924170	@ CONNECTOR, 1/4" TUBE X 1/8" PIPE (12.9460)	1	1	1	1	1	1	1			1	
		* PART OF GOVERNOR ASSY. USED TO LUBRICATE UPPER CONTROL HOUSING											
		@ NOT PART OF GOVERNOR ASSY.											

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2.7000A MECHANICAL GOVERNOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 1080	1085	1122	1144	1153	1154	1155	1157	1168	1202	1204
	2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION (CONT'D)											
	# IN CONTROL HOUSING, NOT REQUIRED WITH A CONTROL HOUSING LUBRICATION TUBE.											
	2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN											
5146132	SPRING, 3-53 (TORSION) (C & D ENG.)	1		1								
	2.7960 - GEAR, GOVERNOR DRIVE											
5116025	* GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)	1	1	1	1		1	1			1	
5107076	+ GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)	1	1	1	1		1	1			1	
5116026	* GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)	1	1	1	1		1	1				
5107077	*+ GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)*	1	1	1	1		1	1				
5134350	* GEAR, 3-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH) (TWO 9/32" DRILL HOLES)					1						
5107508	+ GEAR, 3-53 RA, RB, LC, LD (RH HELIX; 56 TEETH) (TWO 9/32" DRILL HOLES)					1						
124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1			1	
9434177	NUT, 5/16"-18 LOCK (12.9140)	1	1	1	1	1	1	1			1	

* THRU 3D-170682 AND THRU 4D-180938.
\+ EFF. WITH 3D-170683 AND THRU 4D-180939.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13335	13361	13379	15557	15665	15666	15667	15668	15669	15670	15671	15672
		2.7001 - GOVERNOR ASSY.												
		A GOVERNOR ASSY. INCLUDES ITEMS IN 2.7002, 2.7045 THRU 2.7810 EXCEPT 2.7165, 2.7520, 2.7530, 2.7740 AND 2.7890. CLOSED LINKAGE GOVERNORS DO NOT INCLUDE ITEMS IN 2.7170. 6V-53 GOVERNORS DO NOT INCLUDE ITEMS IN 2.7470.												
	5101040	# GOVERNOR ASSY., 6V53 (LIMITING) (5103786)	1											
	5129803	# GOVERNOR ASSY., 4-53 (LIMITING) (5107131)		1										
	5138284	# GOVERNOR ASSY., 3, 4-53 (LIMITING) (5107128)			1									
	5138851	# GOVERNOR ASSY., 3, 4-53 (VARIABLE) (5107139)				1								
	5103783	GOVERNOR ASSY., 6V53 (LIMITING)					1							1
	5103782	GOVERNOR ASSY., 6V53 (LIMITING)						1						
	5103745	GOVERNOR ASSY., 6V53 (LIMITING)							1					
	5103792	GOVERNOR ASSY., 6V53 (VARIABLE)								1	1			
	5103794	GOVERNOR ASSY., 6V53 (VARIABLE)										1		
	5103755	GOVERNOR ASSY., 6V53 (LIMITING)											1	
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)		2	2	2								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2	2								
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)	6				6	6	6	6	6	6	6	6
	9414285	BOLT, 3/8"-24 X 7/8" (12 PT. HD.)		3	3	3								
	5145225	WASHER, 3/8" COPPER (12.9190)		3	3	3								
	103341	WASHER, 3/8" (12.9190)	6				6	6	6			6		
	9414322	WASHER, 3/8" (12.9190)		2	2	2								
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2								
	103321	LOCKWASHER, 3/8" (12.9200)	6				6	6	6	6	6	6	6	6
		# NOT SERVICED, COMPONENTS ARE AVAILABLE FOR A COMPLETE REPLACEMENT USE ASSEMBLY SHOWN IN PARENTHESES.												
		2.7002 - NAME PLATE, GOVERNOR												
	5122166	NAME PLATE	1			1	1	1	1	1	1	1	1	1
	5105180	NAME PLATE		1	1									
	145369	SCREW, #4X3/16" RED. HD. DR. (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE												
	5121345	GASKET, 6V53 (TO END PLATE)	1				1	1	1	1	1	1	1	1
5B	**5116336**	GASKET, 4-53		1	1	1								
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5129682	* COVER ASSY., 6V53 (LIMITING) (A ENG.) (PAGE B1) (5103748)	1											
	5126429	COVER ASSY., 4-53 (LIMITING) (A AND B ENG.) (PAGE A1)(2.7812)		1										
	5126428	* COVER ASSY., 4-53 (C AND D ENG.) (PAGE A1) (5107124)			1									

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13335	13361	13379	15557	15665	15667	15668	15669	15670	15671	15672
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE (CONT'D)											
	5103748	COVER ASSY., 6V53 (LIMITING) (PAGE B1)					1	1	1				1
	5103752	COVER ASSY., 6V53 (VARIABLE) (PAGE B1)							1	1	1		
	5103872	COVER ASSY., 6V53 (LIMITING) (PAGE B1)										1	
5J	**9417926**	SCREW, 1/4"-20X3/4" FIL. HD. (WITH LOCKWASHER) (12.9001)	8	4	4	3	8	8	8	6	6	6	8	8
	5101768	RETAINER, GOV. LEVER SPR. (17/64" I.D.)								1	1			
	453007	SCREW, 1/4"-20 X 1" (W/LW) (12.9025)				1				1	1	1		
	5144196	WASHER, SPECIAL				1								
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		2.7051 - GASKET, GOVERNOR COVER											
5J	**5121342**	GASKET, 6V53	1				1	1	1	1	1	1	1	1
5E,H	**5122742**	GASKET, 3, 4-53		1	1	1								
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT											
5H,J	**5183042**	LEVER, 4,6V53 (2.9410)	1	1	1									
	5102708	LEVER, 6V53					1	1	1				1	1
5J	**443603**	BOLT, 1/4"-20 X 3/4" (12.9001)	1	1	1		1	1	1				1	1
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1		1	1	1				1	1
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT											
5J	**5151519**	LEVER, 6V53	1				1	1	1					
	5120069	LEVER, 4-53 (2.9340)		1	1									
	5102862	LEVER, 6V53								1	1	1		
	5164318	LEVER, 6V53												1
	5146369	SPACER (2.7165)							1					
	5108381	CLIP, RETRACTING SPRING (2.9405)									1			
5J	**186647**	BOLT, 1/4"-20 X 1" (12.9001)	1	1	1	1	1	1	1	1	1	1		1
5J	**103319**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1		1
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL											
	5121001	HOUSING, 6V53					1	1		1	1		1	1
5J	**5100998**	HOUSING, 6V53 (A ENG.)	1											
	5144090	HOUSING, 3-53			1	1								
5D	**5122757**	* HOUSING, 4-53 (A AND B ENG.) (5144089)		1										
	5145923	HOUSING, 6V53							1					
	5134686	HOUSING, 6V53										1		
	5126072	HOUSING, 6V53												1
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V53	2				2	2	2	2	2	2	2	2
	5116262	ADAPTOR, INJECTOR CONTROL LINK BOOT 4-53 (2.7830)		1	1	1				2			2	2
	8924749	PLUG, 1/8" (12.9550)			1									
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9330)	1				1	1	1	1	1	1	1	1
	9421753	PLUG, 1 1/8" CUP (12.9320)	1				1	1		1	1	1	1	1
	9417025	PLUG, 1 3/4" EXPANSION	1				1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13355	13361	13379	15557	15665	15666	15667	15668	15669	15570	15571	15572
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL (CONT'D)												
	141242	PIN, 3/8" X 7/8" L. (12.9290)	2				2	2	2	2	2	2	2	2
	5119314	PIN, 3/8" X 1.68" (CONTROL LINK LEVER SHAFT)					1	1		1	1	1	1	1
5J	5150942	PIN, DOWEL (COVER ALIGNING)	2				2	2	2	2	2	2	2	2
5J	5145823	PIN, .375"X2.12" SPECIAL	1						1					
5J	5116071	PIN (TO CYLINDER BLOCK END PLATE)	1				1	1	1	1	1	1	1	1
	9421917	SCREW, #10-24X7/16" (12.9025)	1											
	120391	WASHER, 3/16" (12.9190)	1				1	1	1	1	1	1	1	1
		* NOT SERVICED USE NUMBER IN PARENTHESES AND INCLUDE (1) 8924749 PLUG.												
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING												
		INCLUDES ITEMS IN 2.7255, 2.7280 AND BEARING IN 2.7260.												
	5121458	SHAFT ASSY., 6V53					1	1	1	1	1		1	1
	5100999	SHAFT ASSY., 6V53	1											
	5122752	SHAFT ASSY., 3-53			1	1								
	5122753	SHAFT ASSY., 4-53 (A AND B ENG.)		1								1		
	5134684	SHAFT ASSY., 6V53												
		2.7255 - SHAFT, GOVERNOR OPERATING												
5J	5121339	SHAFT, 6V53	1				1	1	1	1	1		1	1
5D	5122751	SHAFT, 4-53		1	1	1						1		
	5134316	SHAFT, 6V53												
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT												
5D,K	5122754	TUBE, 4-53		1	1	1								
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER												
5D,J	9431894	BEARING	1	1	1	1	1	1	1	1	1	1	1	1
5D,J	9431896	BEARING												
5D,J	9421917	SCREW AND LOCKWASHER ASSY., #10-24 X 7/16" (12.9025)		1	1	1	1	1	1	1	1	1	1	1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER												
5J	954987	BEARING, 6V53	1				1	1	1	1	1	1	1	1
5D	9431887	BEARING, 3, 4-53		1	1	1								
5D,K	9413284	RING, SNAP (TO HOUSING)		1	1	1								
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER												
		A LEVER ASSY. INCLUDES PIN IN 2.7300.												
5J	5116011	LEVER ASSY., 6V53	1				1	1	1	1	1		1	1
5D	5122750	LEVER ASSY., 4-53 (A AND B ENG.)		1										
	5122749	LEVER ASSY., 3-53			1	1								
	5134685	LEVER ASSY., 6V53										1		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13351	13361	13379	15557	15656	15666	15667	15668	15669	15670	15671	15672
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER (CONT'D)												
5J	**5145007**	SCREW, 6V53 (GAP ADJUSTING)	1											
5J	**5132962**	SCREW, 6V53 (GAP ADJUSTING)					1	1	1	1	1	1	1	1
5D,J	**5150898**	SCREW, 3, 4-53 (GAP ADJUSTING)		1	1	1								
	5106055	BOLT, #5-40X.54"	1											
5D,J	**114492**	LOCKNUT, 1/4"-28 (12.9120)		1	1	1	1	1	1	1	1	1	1	1
	426324	NUT, #5-40 (12.9120)	1											
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER												
5J	**5138335**	FORK, 6V53	1				1	1	1	1	1	1	1	1
5D	**5122741**	FORK, 3, 4-53		1	1	1								
	5134193	SPACER										1		
5D	**9425382**	SCREW, #10-32X5/8" (W/LW) (12.9001)		2	2	2								
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER												
5J	**5150943**	PIN, 6V53	1					1	1	1	1	1	1	1
5D	**5122746**	PIN, 3, 4-53		1	1	1								
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL												
		A LEVER ASSY. INCLUDES PIN IN 2.7315.												
	5124209	LEVER ASSY., 6V53	1											
	5122743	LEVER ASSY., 3-53				1								
5D	**5126311**	LEVER ASSY., 4-53 (LIMITING)		1	1									
	5150394	LEVER ASSY., 6V53 (LIMITING)					1	1	1	1	1	1		1
5J	**5150941**	WASHER, 21/64"	1	1	1	1	1	1	1	1	1	1		1
	120391	WASHER, 3/16" (12.9190)			1									
5J	**142583**	RETAINER, 13/64" SPRING (12.9640)	1	1	1	1	1	1	1	1	1	1		1
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER												
	5122745	PIN, 3-53 (VARIABLE)				1								
5J	**5150943**	PIN, 6V53 (2.7300)	1				1	1	1	1	1	1		
5D	**5126310**	PIN, 4-53 (LIMITING)		1	1									
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING												
5J	**5145820**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)	1						1					
	5121490	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)					1	1		1	1	1	1	1
	9437946	BEARING, NEEDLE (2.7440)	2				2	2	2	2	2	2	2	2
5J	**5117693**	PIN, 1.00" L.	2				2	2	2	2	2	2	2	2
5J	**148148**	RETAINER, 1/4" SPRING (12.9640)	1				1	1	1	1	1	1	1	1
5J	**5151487**	WASHER (2.7430)	2				2	2	3	2	2	2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1335	1361	1379	1557	1565	1566	1567	1568	1569	1570	1571	1572
		2.7340 - HOUSING, GOVERNOR WEIGHT												
5D,K	**5129731**	HOUSING, 4-53 (A AND B ENG.)		1										
	5129730	HOUSING, 3-53			1	1								
5K	**5119127**	BUSHING (WEIGHT SHAFT END)		1	1	1								
5D,K	**9428477**	PLUG, CUP 5/16" DIA. (3.4030)		1	1	1								
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
	5125043	@ SHAFT AND CARRIER ASSY., 3-53 (PAGE C1)				1								
	5133819	SHAFT AND CARRIER ASSY., 6V53 (PAGE C1)	1				1	1	1					1
	5133832	SHAFT AND CARRIER ASSY., 6V53 (PAGE D1)										1		
	5100061	SHAFT AND CARRIER ASSY., 4-53 (PAGE B1)		1	1									
	5122883	SHAFT AND CARRIER ASSY., 6V53 (PAGE C1)								1	1			
	110529	SCREW, #10-24X1/4" FLAT HD.(12.9300)		1	1	1								
		@ NOT SERVICED, LISTED FOR REFERENCE ONLY. USE COMPONENTS.												
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST												
5J	**9434171**	+ BEARING	1			1	1							
	9437108	BEARING				1	1							
	451905	+ BEARING				1	1							
		+ NOT SERVICED, USE 9437108.												
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5J	**907674**	BEARING	1				1	1	1	1	1		1	1
	907681	BEARING, 6V53 (N.D. #3203L1A)										1		
	5134662	RETAINER, BEARING										1		
	5152462	PLUG, 1 1/8" EXPANSION (2.7230)	1				1	1	1	1	1		1	1
	9421755	PLUG, 1 3/8" DIA. (CUP) (1.1001)										1		
	9406762	SCREW, 1/4"-28X1 1/2"										2		
	446202	WASHER, 5/16" COPPER (12.9190)										2		
	454750	NUT, 1/4"-28 LOCK (12.9120)										2		
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT												
5B	**5122738**	SPACER (BETWEEN GEAR AND BEARING)		1	1	1								
		2.7540 - SPRING, GOVERNOR LOW SPEED												
5G	**5122165**	SPRING, 4,6V53 (ONE BLUE STRIPE)	1	1	1		1	1	1				1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13351	13361	13379	15557	15665	15666	15667	15668	15669	15570	15571	15572
		2.7550 - SPRING, GOVERNOR HIGH SPEED												
	5182560	SPRING, 4-53 (WIDE RED STRIPE)		1										
	5124415	SPRING, 6V53 (ONE WHITE STRIPE)					1						1	1
	5131541	SPRING (ONE RED AND GREEN STRIPE)	1					1	1					
	5132444	SPRING (TWO GREEN STRIPES)			1									
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING												
5G	**5126135**	PLUNGER, 6V53	1		1			1	1					
5G	**5182555**	PLUNGER, 4, 6V53		1	1		1						1	1
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING												
5G	**5150892**	SEAT	1	1	1		1	1	1				1	1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING												
5G	**5103975**	CAP	1	1	1		1	1					1	1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING												
	5102270	SCREW, 6V53	1	1	1		1	1	1				1	1
	5102256	BOLT, 1/4"-28X.88"			1									
	5101798	PIN, 1.80" L.	1		1			1	1					
	5101432	PIN, 3.98" L.		1			1						1	1
	114492	NUT, 1/4"-28 (12.9120)	1	1	1		1	1	1				1	1
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING												
5G	**5150947**	SHIM, .010"	AR		AR		AR	AR	AR					AR
5G	**5151249**	SHIM, .078"	AR		AR		AR	AR	AR					AR
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING												
5G	**5174436**	RETAINER, 6V53	1					1	1					
5G	**5182557**	RETAINER, 4, 6V53		1			1						1	1
	5104860	RETAINER, 3, 4-53			1									
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER												
5G	**5186115**	LOCKNUT		1			1						1	1
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING												
	5131132	COVER	1		1			1	1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2		2			2	2					
	5155596	WASHER, 5/16" (COPPER) (12.9190)	2		2			2	2					

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1335	1361	1379	1557	1565	1566	1567	1568	1569	1570	1571	1572
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW												
5G	**5182559**	HOUSING		1	1		1	1					1	1
	445520	BOLT, 5/16"-18X3 1/2" (12.9001)		2	2									
	186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)				2	2						2	2
	5155596	WASHER, 5/16" COPPER (4.7120)				2	2						2	2
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER												
5G	**8922593**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING												
		SEE ASSEMBLY BREAKDOWN AS INDICATED.												
	5139263	HOUSING ASSY., 6V53 (PAGE F1)								1	1	1		
	186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)								2	2	2		
	103320	LOCKWASHER, 5/16" (12.9200)								2	2	2		
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED												
	5127397	SPRING (TWO LIGHT BLUE STRIPES)				1				1	1			
	5133712	SPRING										1		
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING												
	5162661	PLUNGER				1								
	5152938	PLUNGER								1	1			
	5138331	PLUNGER										1		
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER												
	5152939	GUIDE				1				1	1	1		
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING												
	5137276	RETAINER				1				1	1	1		
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
	5171784	STOP (WITH STEP)				1		*		1	1	1		
	5174430	STOP, 3, 4-53 (WITH GAP)				1				1		1		
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING												
	5136590	SHIM, .010"				6				6	6	6		
	5136591	SHIM, .078"				3				3	3	3		

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IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13355	13361	13779	15557	15565	15566	15567	15568	15569	15570	15571	15572
		2.7810 - SCREW ASSY., GOVERNOR BUFFER												
	5172383	SCREW ASSY., 6V53 (INCLUDES SPRING)	1				1	1	1				1	1
	5126073	SCREW ASSY. (INCLUDES SPRING)								1	1	1		
	5139678	SCREW ASSY., 4-53 (INCLUDES SPRING)			1									
5D	5177083	SCREW ASSY., 3, 4-53 (INCLUDES SPRING)		1										
	5183773	SCREW ASSY., 3, 4-53 (INCLUDES SPRING)				1								
	124925	NUT, 3/8"-24 (12.9120)		1	1									
	5174286	NUT, 3/8"-24 (12.9140)				1	1	1	1	1	1	1	1	1
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
	5122797	LINK, 3, 4-53			1	1								
	5121472	LINK, 6V53 (LOWER)	2				2	2	2	2	2	2	2	2
	5121453	LINK, 6V53 (LEFT BANK UPPER)	1				1	1	1	1	1	1	1	1
	5121452	LINK, 6V53 (RIGHT BANK UPPER)	1				1	1	1	1	1	1	1	1
7A	5122798	LINK, 4-53 (B AND D ENG.)		1										
	142583	RETAINER, SPRING 13/64" (12.9640)		1	1								1	
	5147345	PIN (LINK TO INJECTOR CONTROL TUBE LEVER) (2.9022)	2	1	1	1	2	2	2	2	2	2	2	2
	103361	PIN, 1/16" X 1/2" COTTER (12.9250)	2	1	1	1	2	2	2	2	2	2	2	2
	5150941	WASHER, 21/64" (2.7310)		1	1								1	
	454750	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOWER LINK) (12.9120)	2				2	2	2	2	2	2	2	2
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5116262	ADAPTOR (IN HEAD) (PLAIN END)	2	1	1	1	2	2	2	2	2	2		
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129707	HOSE, 13/16" I.D.X1.12" L.				1								
	5129706	HOSE, 13/16" I.D.X1.62" L. (RIGHT BANK)	1		1		1	1	1	1	1	1	1	1
	5129705	HOSE, 13/16" I.D.X.76" L. (LEFT BANK)	2	1	1		2	2	2	2	2	2	2	2
	5126072	HOUSING, LINK (LEFT BANK)	1				1	1	1	1	1	1	1	
	272855	CLAMP, HOSE (SPRING 1 1/4") 12.9660				2								2
	5105130	* CLAMP, 1" HOSE (4.8175)				2								
	5186840	CLAMP, HOSE 1 3/16" (12.9660)	4	1	1		4	4	4	4	4	4	4	
		* OPTIONAL.												
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5129726	TUBE ASSY., (DEV. L. 11.36") (WEIGHT HOUSING)		1	1	1								
	5144093	* TUBE ASSY., 3-53 (DEV. L. 7.32") (TEE TO CONTROL HOUSING) (C & D ENG.)				1								
5D	5166265	* ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)		1	1	1								
	8924170	CONNECTOR, 1/4" TUBE X 1/8" PIPE (12.9460)		1	1	1								
	5143990	* TEE, 1/4"-1/4" TUBE X 1/8" PIPE (IN WEIGHT HOUSING)				1								
		* PART OF GOVERNOR ASSY. USED TO LUBRICATE UPPER CONTROL HOUSING.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13355	13361	13379	15557	15565	15666	15667	15668	15669	15570	15571	15572
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5129711	SPRING, 3, 4-53 (TORSION)		1					1	1	1			
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL		1										
		2.7960 - GEAR, GOVERNOR DRIVE												
5B	**5116025**	* GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)		1										
	5107076	+ GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)		1										
5B	**5116026**	* GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)				1								
	5107077	+ GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)				1								
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)		1		1								
	9434177	NUT, 5/8"-18 LOCK (12.9140)		1		1								

* THRU 3D-170682 AND 4D-180938.
\+ EFF. WITH 3D-170683 AND 4D-180939.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15573	15574	15583	16618	16619	16688	16889	16890	16891	16892	16893	16895
		2.7001 - GOVERNOR ASSY.												
		SEE ASSEMBLY BREAKDOWN PAGE G1.												
	5103796	GOVERNOR ASSY., 6V-53 (VARIABLE SPEED)	1											
	5103784	GOVERNOR ASSY., 6V-53 (LIMITING SPEED)		1										
	5103786	GOVERNOR ASSY., 6V-53 (LIMITING SPEED)			1									
	5103792	GOVERNOR ASSY., 6V-53 (VARIABLE SPEED)				1	1							
	5107132	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)						1						
	5107131	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)							1					1
	5107127	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)								1	1		1	
	5107128	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)										1		
5B	**179822**	BOLT, 5/16"-18X1 1/2" (12.9001)						2	2	2	2	2	2	2
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)	6	6	6	6	6							
5B	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)								2				2
5B	**9426895**	BOLT, 3/8"-16X1 1/4" 12 PT. HD. (12.9005)						2	2			2	2	
5B	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)									2			
5B	**9414285**	BOLT, 3/8"-24X7/8"						3	3	3	3	3	3	3
5B	**103320**	LOCKWASHER, 5/16" (12.9200)						2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6							
5B	**5145225**	WASHER, 3/8" COPPER						3	3	3	3	3	3	3
	103341	WASHER, 3/8" PLAIN (12.9190)	6	6	6		6							
5B	**9414322**	WASHER, 3/8" (12.9190)						2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE												
5J	**5121345**	GASKET, 6V-53 (TO END PLATE)	1	1	1	1	1							
5B	**5116336**	GASKET, 3, 4-53						1	1	1	1	1	1	1
		2.7012 - KIT, GOVERNOR CONVERSION												
	23501967	KIT, 6V53 GOVERNOR CONVERSION PROVIDES ALL ITEMS NECESSARY TO CONVERT STANDARD DOUBLE WEIGHT LIM ITING SPEED GOVERNOR INTO AN AIR OPERATED VARIABLE LOW SPEED LIMITING SPEED GOVERNOR WITH 650-1750 RPM IDLE SPEED RANGE AND 2400-2800 RPM RATED SPEED			AR									
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT												
5H,J	**5102862**	LEVER, 6V-53	1											
5H,J	**5102708**	LEVER, 3, 4, 6V-53		1	1			1	1	1	1	1	1	1
5H,J	**443603**	BOLT, 1/4"-20X3/4" (12.9001)		1	1			1	1	1	1	1	1	1
5H,J	**186647**	BOLT, 1/4"-20 X 1" (12.9001)	1			1	1							
5H,J	**103319**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15573	15574	15583	16618	16619	16688	16889	16890	16891	16892	16893	16895
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT												
5J	**5151519**	LEVER, 6V-53		1	1									
5J	**5120069**	LEVER, 3, 4-53 (2.9340)						1	1		1	1	1	1
5J	**5100082**	LEVER, 4-53								1				
	5151249	SHIM, .078" THICK (2.7600)		1	1									
5J	**179796**	BOLT, 1/4"-20X7/8" (12.9001)								1				
5J	**186647**	BOLT, 1/4"-20X1" (12.9001)		1	1			1	1		1	1	1	1
5J	**103319**	LOCKWASHER, 1/4" (12.9200)		1	1			1	1	1	1	1	1	1
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END												
5J	**907674**	BEARING	1	1	1	1	1							
	5152462	PLUG, 1 1/8" EXPANSION (2.7230)	1			1								
	9421753	PLUG, 1 1/8" CUP (12.9320)		1	1		1							
		2.7520 - COVER, GOVERNOR WEIGHT HOUSING												
	5152716	# COVER, 3, 4-53 (3.4223)									1			
	186625	# BOLT, 5/16"-18X7/8" (12.9001)									3			
	103320	# LOCKWASHER, 5/16" (12.9200)									3			
		# REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7530 - GASKET, GOVERNOR WEIGHT HOUSING COVER												
	5150193	# GASKET, 3, 4-53 (5.5010)									1			
		# REQUIRED WHEN FUEL PUMP IS NOT DRIVEN FROM GOVERNOR.												
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER												
5F	**5174430**	STOP, 3, 4-53 (WITH GAP)				1								
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK												
7B	**5121472**	LINK, 6V-53 (LOWER)	2	2	2	2	2							
7B	**5121453**	LINK, 6V-53 (LEFT BANK UPPER)	1	1	1	1	1							
7B	**5121452**	LINK, 6V-53 (RIGHT BANK UPPER)	1	1	1	1	1							
7A	**5122797**	LINK, 3, 4-53						1	1	1		1	1	
7A	**5122798**	LINK, 3-53									1			1
7A	**142583**	RETAINER, SPRING 13/64" (12.9640)						1	1	1	1	1	1	1
7A,B	**5147345**	PIN (LINK TO INJECTOR CONTROL TUBE LEVER) (2.9022)	2	2	2	2	2	1	1	1	1	1	1	1
7A,B	**103361**	PIN, 1/16"X1/2" COTTER (12.9250)	2	2	2	2	2	1	1	1	1	1	1	1
7A	**5150941**	WASHER, 21/64" (2.7310)						1	1	1	1	1	1	1
7B	**454750**	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOWER LINK) (12.9120)	2	2	2	2	2							
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
	5116262	ADAPTOR (IN HEAD) (PLAIN END)	2	2	2	2	2	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15773	15774	15883	16188	16199	16888	16889	16890	16891	16892	16893	16895
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK												
	5129706	HOSE, 7/8" I.D.X1.62" L. (RIGHT BANK)	1	1	1	1	1							
	5129707	HOSE, 13/16" I.D.X1.12" L.						1	1	1		1	1	
	5129705	HOSE, 7/8" I.D.X.75" L. (LEFT BANK)	2	2	2	2	2				1			1
	5126072	HOUSING, LINK (LEFT BANK)	1	1	1	1	1							
	5186840	CLAMP, HOSE 1 3/16" (12.9660)	4	4	4	4	4				1			1
	272855	CLAMP, HOSE (SPRING 1 1/4")						2	2	2		2	2	
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5129726	TUBE ASSY. (DEV. L. 11.36")						1	1	1	1	1	1	1
	5166265	ELBOW, 1/4" TUBE X1/8" PIPE 90 DEG. (7.4074)						1	1	1	1	1	1	1
	8924170	CONNECTOR, 1/4" TUBE X1/8" PIPE (12.9460)						1	1	1	1	1	1	1
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5129711	SPRING, 6V-53 (TORSION)	1			1	1							
		2.7960 - GEAR, GOVERNOR DRIVE												
5B	5116025	* GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)						1	1	1		1	1	1
	5107076	+ GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)						1	1	1		1	1	1
	8927961	@ GEAR, 3-53 (R.H. HELIX-56 TEETH; STAMPED 8927961)						1						
5B	5116026	* GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)						1	1	1	1	1	1	1
	5107077	+ GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)						1	1	1	1	1	1	1
	8924991	@ GEAR, 3-53 (L.H. HELIX-56 TEETH; STAMPED 8924991)						1						
5B	5134350	* GEAR, 3-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH) (TWO 9/32" DRILL HOLES)									1			
	5107508	+ GEAR, 3-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH) (TWO 9/32" DRILL HOLES)									1			
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)						1	1	1	1	1	1	1
	9434177	NUT, 5/16"-18 LOCK (12.9140)						1	1	1	1	1	1	1

* THRU 3D-170682 AND 4D-180938.
\+ EFF. WITH 3D-170683 AND 4D-180939.
@ EFF. WITH 3D-193526 FOR TURBO APPLICATIONS ONLY.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16996	16997	16999	17000	17001	17002	17003	17004	17005	17006	17007	17008	17009
		2.7001 - GOVERNOR ASSY.													
		SEE ASSEMBLY BREAKDOWN PAGE G1.													
	5107128	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)	1												
	5107132	GOVERNOR ASSY., 4-53 (LIMITING SPEED)		1											
	5107142	GOVERNOR ASSY., 3, 4-53 (VARIABLE SPEED)			1							1	1		
	5107145	GOVERNOR ASSY., 4-53 (VARIABLE SPEED)				1									
	5107144	GOVERNOR ASSY., 3, 4-53 (VARIABLE SPEED)					1								
	5107143	GOVERNOR ASSY., 3-53 (VARIABLE SPEED)						1							
	5107139	GOVERNOR ASSY., 3, 4-53 (VARIABLE SPEED)							1	1	1			1	1
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						2		2					
	9426895	BOLT, 3/8"-16X1 1/4" 12 PT. HD. (12.9005)	2	2	2	2	2		2		2	2	2	2	2
	9414285	BOLT, 3/8"-24X7/8"	3	3	3	3	3	3	3	3	3	3	3	3	3
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2	2
	5145225	WASHER, 3/8" COPPER	3	3	3	3	3	3	3	3	3	3	3	3	3
	9414322	WASHER, 3/8" (12.9190)	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE													
5B	**5116336**	GASKET, 3, 4-53	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT													
5H,J	**5102708**	LEVER, 3, 4-53	1	1											
5H,J	**5107147**	LEVER, 3, 4-53			1	1	1	1	1	1	1	1	1	1	
	5147598	SPRING, RETURN (2.7910)			1			1				1	1		
	5146132	SPRING, RETURN (2.7910)				1	1			1	1			1	1
	5126540	SPRING, RETURN (2.9405)							1						
	5122570	CLIP, SPRING (2.9405)							1						
5H,J	**443603**	BOLT, 1/4"-20X3/4" (12.9001)	1	1											
5H,J	**186647**	BOLT, 1/4"-20X1" (12.9001)			1	1	1	1	1	1	1	1	1	1	1
5H,J	**103319**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT													
5J	**5120069**	LEVER, 3, 4-53 (2.9340)	1	1											
5J	**5151519**	LEVER, 3, 4-53			1										
5J	**186647**	BOLT, 1/4"-20X1" (12.9001)	1	1	1										
5J	**103319**	LOCKWASHER, 1/4" (12.9200)	1	1	1										
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING													
	5131132	COVER		1											
	187953	BOLT, 5/16"-18X4 1/2" (12.9001)		2											

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16961	16971	16991	17000	17001	17002	17003	17004	17005	17006	17007	17008	17009
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER													
	8922593	GASKET		1											
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING													
		HOUSING ASSEMBLY INCLUDES PISTON IN 2.7736 AND SEALS IN 2.7737.													
	5103911	HOUSING ASSY. (2.7690)		1											
	8924380	PLUG, 1/8" HEX. SOCKET HEAD PIPE (12.9550)		1											
	5103044	SCREW, 1/4"-28X1 1/2" SET (2.7690)		1											
	5194495	NUT, 5/16"-18 (2.8410)		1											
		2.7736 - PISTON, GOVERNOR SPEED CONTROL													
	5103067	PISTON		1											
		2.7737 - SEAL, GOVERNOR SPEED CONTROL PISTON													
	5103046	SEAL		1											
	5103550	SEAL		1											
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER													
5F	**5174430**	STOP, 3, 4-53 (WITH GAP)			1	1	1	1	1	1	1	1	1	1	1
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK													
7A	**5122798**	LINK, 3, 4-53	1								1	1			
7A	**5122797**	LINK, 3, 4-53		1	1	1	1	1	1	1			1	1	1
7A	**5147345**	PIN (LINK TO INJECTOR CONTROL TUBE LEVER)	1	1	1	1	1	1	1		1	1	1	1	1
7A	**103361**	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1	1	1	1	1	1	1	1	1	1
7A	**142583**	RETAINER, SPRING 13/64" (12.9640)	1	1	1	1	1	1	1	1	1	1	1	1	1
7A	**5150941**	WASHER, 21/64" (2.7310)	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK													
	5116262	ADAPTOR (IN HEAD) (PLAIN END)	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK													
	5129705	HOSE, 7/8" I.D.X.75" L.	1								1	1			
	5129707	HOSE, 13/16" I.D.X1.12" L.		1	1	1	1	1	1	1			1	1	1
	111609	CLAMP, HOSE 1 3/16" (12.9660)	1								1	1			
	272855	CLAMP, HOSE (SPRING 1 1/4")		2	2	2	2	2	2	2			2	2	2

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16996	16997	16999	17000	17001	17002	17003	17004	17005	17006	17007	17008	17009
		2.7837 - WIRE, GOVERNOR MANUAL SHUTDOWN LEVER													
	5161464	PIN, WIRE SWIVEL (2.9426)			1					1					
	142583	RETAINER, SPRING 13/64" (12.9640)			1					1					
	3290569	CLIP, WIRE (7.8320)			1										
	132105	BOLT, #10-32X3/8" (12.9010)			1					1					
	123298	BOLT, 1/4"-28X3/8" (12.9001)			1										
	5150941	WASHER, 21/64" (2.7310)			1					1					
	103319	LOCKWASHER, 1/4" (12.9200)			1										
	121902	NUT, 1/4"-28 (12.9120)			1										
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION													
	5129726	TUBE ASSY. (DEV. L. 11.36")	1	1	1	1	1	1	1	1	1	1	1	1	1
	5166265	ELBOW, 1/4" TUBE X1/8" PIPE 90 DEG. (7.4074)	1	1											
	8924170	CONNECTOR, 1/4" TUBE X1/8" PIPE (12.9460)	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7960 - GEAR, GOVERNOR DRIVE													
5B	**5116025**	* GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)			1			1			1	1	1		
5B	**5116026**	* GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)				1	1		1	1	1			1	1
5B	**5107076**	+ GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)	1	1	1			1			1	1	1		
5B	**5107077**	+ GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)	1	1		1	1		1	1	1			1	1
	8927961	@ GEAR, 3-53 (R.H. HELIX-56 TEETH; STAMPED 8927961)	1								1				
	8924991	@ GEAR, 3-53 (L.H. HELIX-56 TEETH; STAMPED 8924991)	1								1				
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1	1	1	1
	9434177	NUT, 5/16"-18 LOCK (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1	1

* THRU 3D-170682 AND 4D-180938.
\+ EFF. WITH 3D-170683 AND 4D-180939.
@ EFF. WITH 3D-193526 FOR TURBO APPLICATIONS ONLY.

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17710	17719	17992	18792	18793	18834	18835	18866	19662	19912	20122
		2.7001 - GOVERNOR ASSY.											
		SEE ASSEMBLY BREAKDOWN PAGE G1.											
	5107132	GOVERNOR ASSY., 3,4-53 (LIMITING VAR. HIGH SPEED)	1										1
	5107128	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)		1	1	1							
	5103792	GOVERNOR ASSY., 6V53 (VARIABLE SPEED)					1						
	5103784	GOVERNOR ASSY., 6V53 (LIMITING SPEED)						1					
	5103786	GOVERNOR ASSY., 6V53 (LIMITING SPEED)							1		1		
	8924601	GOVERNOR ASSY., 6V53 (LIMITING SPEED)								1			
	8927159	GOVERNOR ASSY., 6V53 (LIMITING, VARIABLE LOW SPEED)									1		
	5103794	GOVERNOR ASSY., 6V53 (VARIABLE SPEED)										1	
	274510	FITTING, 3/4" 90 DEG. (12.9540)			1								
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)	2	2	2	2							2
	8921932	BOLT, 3/8"-16X1 1/4" (12.9001)					1	1	1				1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			2	2							
	9426895	BOLT, 3/8"-16X1 1/4" 12 PT. HD. (12.9005)	2	2									2
	9414285	BOLT, 3/8"-24X7/8" 12 PT. HD.	3	3	3	3							3
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)					5	5	5	6	6	6	5
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2							2
	103321	LOCKWASHER, 3/8" (12.9200)					6	6	6	6	6	6	6
	5145225	WASHER, 3/8" COPPER	3	3	3	3							3
	9414322	WASHER, 3/8" (12.9190)	2	2	2	2							2
	103341	WASHER, 3/8" (12.9190)					6	6	6	6	6	6	6
		2.7010 - GASKET, GOVERNOR TO BLOWER-GOVERNOR DRIVE											
5B	5116336	GASKET, 3, 4-53	1	1	1	1							1
	5121345	GASKET, 6V53					1	1	1	1	1	1	1
		2.7012 - KIT, GOVERNOR CONVERSION											
	23501967	KIT, 6V53 GOVERNOR CONVERSION PROVIDES ALL ITEMS NECESSARY TO CONVERT STANDARD DOUBLE WEIGHT LIM ITING SPEED GOVERNOR INTO AN AIR OPERATED VARIABLE LOW SPEED LIMITING SPEED GOVERNOR WITH 650-1750 RPM IDLE SPEED RANGE AND 2400-2800 RPM RATED SPEED							AR		AR		
	8926755	KIT, 6V53 PROVIDES THE NECESSARY ITEMS TO CONVERT A DOUBLE WEIGHT LIMITING SPEED GOVERNOR TO AN A IR OPERATED VARIABLE SPEED LIMITING SPEED GOVERNOR									AR		
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT											
5H,J	5102708	LEVER, 3, 4-53	1	1	1	1		1	1	1	1	1	1
	5102861	LEVER, 6V53					1					1	
5H,J	443603	BOLT, 1/4"-20X3/4" (12.9001)	1	1	1	1		1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17710	17719	17792	18792	18883	18884	18885	18886	19662	19912	20012		
		2.7165 - LEVER, GOVERNOR COVER SHUTDOWN SHAFT (CONT'D)													
	186647	BOLT, 1/4"-20X1" (12.9001)				1							1		
5H,J	**103319**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1		
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT													
5J	**5147640**	LEVER, 3, 4-53 (3.3110)		1		1							1		
5J	**5120069**	LEVER, 3, 4-53 (2.9340)	1		1										
5J	**5151519**	LEVER, 6V53					1	1	1	1	1				
	186647	BOLT, 1/4"-20X1" (12.9001)	1	1	1	1	1	1	1	1	1		1		
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1		1		
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END													
5J	**907674**	BEARING					1	1	1	1	1	1			
	907681	BEARING										1			
	5134662	RETAINER, BEARING										1			
	9421753	PLUG, 1 1/8" CUP (12.9320)					1	1	1	1	1	1			
	9421755	PLUG, 1 3/8" CUP (1.1001)										1			
	9406762	SCREW, 1/4"-28X1 1/2" (12.9027)										2			
	446202	WASHER, 5/16" COPPER (12.9190)										2			
	454750	NUT, 1/4"-28 LOCK (12.9120)										2			
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING													
5G	**5151249**	SHIM, .078"					AR	AR	AR	AR	AR				
		2.7819 - ROD ASSY., GOVERNOR TO INJECTOR LINK													
7A	**5122798**	LINK, 3, 4-53	1	1	1								1		
	5122797	LINK, 6V53				1									
	5121472	LINK, 6V53 (LOWER)					2	2	2	2	2	2			
	5121453	LINK, 6V53 (LEFT BANK UPPER)					1	1	1	1	1	1			
	5121452	LINK, 6V53 (RIGHT BANK UPPER)					1	1	1	1	1	1			
7A	**5147345**	PIN (LINK TO INJECTOR CONTROL TUBE LEVER) (2.9022)	1	1	1	1	2	2	2	2	2	2	1		
7A	**103361**	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1	2	2	2	2	2	2	1		
7A	**142583**	RETAINER, SPRING 13/64" (12.9640)	1	1	1	1							1		
7A	**5150941**	WASHER, 21/64" (2.7310)	1	1	1	1							1		
	454750	NUT, 1/4"-28 ELASTIC STOP (UPPER TO LOWER LINK) (12.9120)					2	2	2	2	2	2			
		2.7830 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK													
	5116262	ADAPTOR (IN HEAD) (PLAIN END)	1	1	1	1	2	2	2	2	2	2	1		
		2.7834 - BOOT, GOVERNOR TO INJECTOR LINK													
	5129705	HOSE, 13/16" I.D.X.76" L.	1	1	1		2	2	2	2	2	2	1		
	5129707	HOSE, 13/16" I.D.X1.12" L.				1									
	5129706	HOSE, 13/16" I.D.X1.62" L.					1	1	1	1	1	1		1	
	5126072	HOUSING, LINK (LEFT BANK)					1	1	1	1	1	1			
	272855	CLAMP, HOSE 1 1/4" (12.9660)				2									
	5186840	CLAMP, HOSE 1 1/2" (12.9660)	1	1	1		4	4	4	4	4	4	1		

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1710	1771	1799	1872	1879	1883	1884	1885	1886	1966	1992	2012
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION												
	5129726	TUBE ASSY. (DEV. L. 11.36")	1	1	1	1								1
	5166265	ELBOW, 1/4" TUBE X 1/8" PIPE 90 DEG. (7.4074)	1	1	1	1								1
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1	1	1	1								1
		2.7910 - SPRING, GOVERNOR THROTTLE LEVER RETURN												
	5129711	SPRING, 6V53 (TORSION)					1						1	
		2.7945 - SEAL, GOVERNOR												
	5101140	SEAL									1			
		2.7960 - GEAR, GOVERNOR DRIVE												
5B	**5107076**	GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH)		1	1									
	8927961	@ GEAR, 3-53 (R.H. HELIX-56 TEETH; *STAMPED 8927961*)		1										
5B	**5107077**	GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH)		1	1	1								
	8924991	@ GEAR, 3-53 (L.H. HELIX-56 TEETH; STAMPED 8924991)			1									
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1	1								1
	9434177	NUT, 5/16"-18 LOCK (12.9140)	1	1	1	1								1
		@ EFF. WITH 3D-193526 FOR TURBO APPLICATIONS ONLY.												

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE														
	5122721	% COVER ASSY., 2,3,4-53 (C AND D ENG.) (VARIABLE SPEED)	1													
	5122722	% COVER ASSY., 2,3,4-53 (A AND B ENG.) (VARIABLE SPEED)		1												
	5122723	% COVER ASSY., 2,3,4-53 (C AND D ENG.) (LIMITING SPEED)			1											
	5122724	% COVER ASSY., 2,3,4-53 (A AND B ENG.) (LIMITING SPEED)				1										
	5126428	% COVER ASSY., 2,3,4-53 (C AND D ENG.) (LIMITING SPEED)					1									
	5126429	COVER ASSY., 2,3,4-53 (A AND B ENG.) (LIMITING SPEED)						1								
5E	**5126432**	COVER ASSY., 2,3,4-53 (C AND D ENG.) (VARIABLE SPEED)							1							
5E	**5126433**	COVER ASSY., 2,3,4-53 (A AND B ENG.) (VARIABLE SPEED)								1						
	5126641	% COVER ASSY., 6V53 (VARIABLE)									1					
	5126648	% COVER ASSY., 6V53 (LIMITING)										1				
	5107125	COVER ASSY., 2-53 (LIMITING)											1			
	5107138	COVER ASSY., 2, 3, 4-53 (CONSTANT SPEED)												1		
	5107137	COVER ASSY., 3, 4-53 (CONSTANT SPEED)													1	
		% NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		2.7050 - COVER ASSY., GOVERNOR-LESS SHAFT AND LEVERS														
		INCLUDES ITEMS IN 2.7050, 2.7093 AND 2.7100.														
5E	**5122726**	* COVER ASSY., 2,3,4-53 (C AND D ENG.) (VARIABLE) (5126432)	1													
5E	**5122727**	* COVER ASSY., 2,3,4-53 (A AND B ENG.) (VARIABLE) (5126433)		1												
5E	**5122728**	@ COVER ASSY., 2, 3, 4-53 (C AND D ENG.) (LIMITING SPEED) (5107124)			1											
5E	**5122729**	@ COVER ASSY., 2,3,4-53 (A AND B ENG.) LIMITING SPEED) (5126429)				1										
5H	**5126397**	COVER ASSY., 2,3,4-53 (C AND D ENG.) LIMITING SPEED)					1									
5H	**5126398**	COVER ASSY., 2,3,4-53 (A AND B ENG.) LIMITING SPEED)						1					1			
5E	**5126430**	COVER ASSY., 2,3,4-53 (C AND D ENG.) VARIABLE SPEED)							1						1	
5E	**5126431**	COVER ASSY., 2,3,4-53 (A AND B ENG.) VARIABLE SPEED)								1				1		
	5126645	+ COVER ASSY., 6V53 (VARIABLE)									1					
5J	**5126644**	# COVER ASSY., 6V53 (LIMITING)										1				
	5122737	PIN, 3/16" X .92"	1	1	1	1					2					
	455160	PIN, 3/16"X1/2" (12.9275)														
5E	**456540**	PIN, 3/16"X5/8" ROLL (12.9275)	2	2	2	2	2	2	2	2			2	2	2	
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES PLUS (1) 5126540 SPRING AND (1) 5122570 CLIP.														
		@ NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES PLUS (1) 5126310 PIN.														
		# NOT SERVICED; USE 5103748.														
		+ NOT SERVICED; USE 5103752.														

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7093 - SPRING, GOVERNOR THROTTLE SHAFT ARM RETURN														
	5123588	SPRING (A AND B ENGINE)		1		1										
	5122736	SPRING (C AND D ENGINE)	1		1											
	9411504	RING, SNAP (2.7430)	1	1	1	1										
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE														
		A SHAFT ASSY. INCLUDES ITEMS IN 2.7095 AND 2.7130.														
5E	**5122733**	+ SHAFT ASSY., 2,3,4-53	1	1	1	1										
5H	**5126402**	SHAFT ASSY., 2,3,4-53					1	1								
5E	**5126309**	SHAFT ASSY., 2,3,4-53							1	1						
	5117933	+ SHAFT ASSY., 6V53									1					
5J	**5117928**	SHAFT ASSY., 6V53										1				
5H	**5107122**	SHAFT ASSY., 2-53											1			
5E	**5107136**	SHAFT ASSY., 2,3,4-53												1	1	
	455734	PIN, 1/8"X3/4" SPRING (12.9300)					1	1	1	1			1	1	1	
	454512	*PIN, 3/16"X3/4" ROLL* (12.9275)	1	1	1	1										
5J	**8924749**	PLUG, 1/8" PIPE (IN SHAFT END) (12.9550)										1				
5H	**271287**	FITTING, 1/8" LUBE (12.9540)					1	1					1			
		+ OBSOLETE														
		2.7100 - BEARING, GOVERNOR THROTTLE SHAFT														
5J	**148402**	BEARING ASSY.										2				
	5144065	BUSHING									1					
		2.7115 - SHAFT ASSY., GOVERNOR SHUTDOWN														
5H	**5126404**	SHAFT ASSY., 2,3,4-53 (INCLUDES PIN) (2.7053)					1	1								
5J	**5126643**	SHAFT, 6V53										1				
5H	**5107123**	SHAFT, 2-53											1			
5H	**453676**	PIN, 1/8"X1" ROLL 2,3,4-53 (12.9275)					1	1					1			
	455921	PIN, 1/8"X1 1/2" ROLL 6V53 (12.9275)										1				
		2.7130 - PIN, GOVERNOR THROTTLE SHAFT FULCRUM LEVER														
	113500	PIN, 1"X7/8" TAPER 6V53 (12.9280)									1					
		2.7140 - WASHER, GOVERNOR THROTTLE SHAFT														
5E,H	**5179232**	SEAL RING, 2,3,4-53 (2.4225)	1	1	1	1	1	1	1	1			1	1	1	
5J	**5176557**	SEAL RING, 6V53									1	1				
	5144196	WASHER, SEAL RING BACK-UP (2.7045)					1				AR	AR	1	1	1	
		2.7145 - WASHER, GOVERNOR SHUTDOWN SHAFT														
5H,J	**5101691**	SEAL RING (2.7140)					1	1				1	1			
	5197150	WASHER, SEAL RING BACK-UP										AR				

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7150 - RETAINER, GOVERNOR PACKING THROTTLE SHAFT														
5J,H	**5153060**	RETAINER						2			1	2				
5E,H	**5150238**	WASHER, 7/16" (3.4001)	1	1	1	1	1		1	1			1	1	1	
5E,H	**5122732**	RING, SNAP	1	1	1	1	1	1	1	1			1	1	1	
	5144177	WASHER									1					
5J	**5174429**	RING, RETAINING									1	1				
		2.7155 - RETAINER, GOVERNOR PACKING SHUTDOWN SHAFT														
5H,J	**5151487**	WASHER (2.7430)					1	2				2	1			
	5144178	WASHER (DISHED)					1						1			
5H,J	**5178581**	RING, SNAP (2.7430)					1	1				1	1			

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE														
	5126983	* COVER ASSY., 2, 3, 4-53 (C AND D ENG.) (LIMITING)	1													
	5129682	* COVER ASSY., 6V53 (LIMITING)		1												
	5132809	COVER ASSY., 8V53 (LIMITING)			1											
	5126429	COVER ASSY., 2, 3, 4-53 (A AND B ENG.) (LIMITING)				1										
	5134669	* COVER ASSY., 8V53 (VARIABLE)					1									
	5137181	* COVER ASSY., 6V53 (LIMITING)						1								
	5103748	COVER ASSY., 6V53 (LIMITING)							1							
	5103752	COVER ASSY., 6V53 (VARIABLE)								1						
	5103872	COVER ASSY., 6V53 (LIMITING)									1					
		* NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		2.7050 - COVER ASSY., GOVERNOR-LESS SHAFT AND LEVERS														
		INCLUDES ITEMS IN 2.7050 AND 2.7100.														
	5126989	COVER ASSY., 2, 3, 4-53 (C AND D ENG.) (LIMITING)	1													
	5129829	% COVER ASSY., 6V53 (LIMITING)		1												
5M	**5132808**	COVER ASSY., 8V53 (LIMITING)			1											
	5126398	COVER ASSY., 2, 3, 4-53 (A AND B ENG.) (LIMITING)				1										
	5137179	@ COVER ASSY., 6V53 (LIMITING)						1								
	5132678	COVER ASSY., 8V53 (VARIABLE)					1									
	5103747	COVER ASSY., 6V53 (LIMITING)							1							
	5103756	COVER ASSY., 6V53 (VARIABLE)								1						
	5103961	COVER ASSY., 6V53									1					
	5126971	RETAINER, BEARING (HUB) (2.7100)	1													
5E	**456540**	PIN, 3/16" X 5/8" ROLL (12.9275)	2													
	455160	PIN, 3/16" X 1/2" (12.9275)		2					2							
		% NOT SERVICED, USE 5103748.														
		@ NOT SERVICED, USE 5103872.														
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE														
		A SHAFT ASSY. INCLUDES ITEMS IN 2.7095.														
	5126890	SHAFT ASSY., 2, 3, 4-53	1													
	5117928	SHAFT ASSY., 6V53		1												
5M	**5133359**	SHAFT ASSY., 8V53			1											
	5126402	SHAFT ASSY., 2, 3, 4-53				1										
	5134713	SHAFT ASSY., 8V53					1									
	5137180	+ SHAFT ASSY., 6V53						1								
	5106266	SHAFT ASSY., 6V53							1							
	5103780	SHAFT ASSY., 6V53								1						
	5103753	SHAFT ASSY., 6V53 (INCLUDES LEVER)									1					
	5106204	SHAFT ASSY., 6V53									1					
5M	**113500**	PIN, #1 X 7/8" TAPER (12.9280)	1	1			1	1	1	1	1					
	455734	PIN, 1/8" X 3/4" (12.9300)				1										
	455297	PIN, 5/32" X 7/8" SPRING (12.9270)		1	1		1		1	1	1					
	456836	PIN, 1/4" X 2 1/4" ROLL (12.9275)	1								1					
	191758	FITTING, 1/8" LUBE (12.9540)	1					1								
5M	**271287**	FITTING, 1/4" LUBE (12.9540)				1					2					
	8924380	PLUG, 1/8" PIPE (IN SHAFT END) (12.9550)		1												
		+ NOT SERVICED, USE 5103753.														

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7100 - BEARING, GOVERNOR THROTTLE SHAFT														
5J,M	**148402**	BEARING ASSY. (NEEDLE)	2	2	2											
	5144065	BUSHING					1									
	9415510	BEARING ASSY. (NEEDLE)						2								
	8921472	BUSHING, SPLIT							2	2	2					
		2.7115 - SHAFT ASSY., GOVERNOR SHUTDOWN														
5H	**5126404**	SHAFT ASSY., 2, 3, 4-53 (INCLUDES PIN) (2.7053)	1			1										
	5104516	SHAFT ASSY., 6V53 (INCLUDES PIN)		1					1		1					
5M	**5143146**	SHAFT ASSY., 8V53			1											
5H	**453676**	PIN, 1/8" X 1" ROLL (12.9275)	1			1										
5J	**457009**	PIN, 3/16" X 1 3/4" (12.9270)		1				1	1		1					
		2.7117 - SPRING, GOVERNOR SHUTDOWN SHAFT														
5M	**5131368**	SPRING			1											
5M	**5187641**	WASHER (1.7605)			1											
		2.7140 - WASHER, GOVERNOR THROTTLE SHAFT														
5H	**5182977**	SEAL RING, 2, 3, 4-53 (3.3055)	1													
	5179232	SEAL RING, 2, 3, 4-53 (2.4225)				1										
5J,M	**5176557**	SEAL RING, 6, 8V53		1	1		1	1	1	1	1					
	5101691	SEAL RING, .362"X.113"		1	1				1		1					
	5126863	SPACER, 6V53						1								
	5197151	WASHER, SEAL RING BACK-UP			AR											
	5137177	WASHER						1			1					
	5119673	WASHER						1			1					
		2.7145 - WASHER, GOVERNOR SHUTDOWN SHAFT														
5H,J,M	**5182977**	SEAL RING (3.3055)	1		1	1		1								
	5197150	WASHER, SEAL RING BACK-UP			AR											
		2.7150 - RETAINER, GOVERNOR PACKING THROTTLE SHAFT														
5E,J,M	**5144177**	RING, RETAINER	1	1	1	1	1		1	1						
5E	**274270**	RING, RETAINER (2.9009)	1					1			1					
5J,M	**5174429**	RING, RETAINER		1	1		1		1	1						
	5122732	RING, RETAINER				1										
5E,J,M	**5153060**	RETAINER	1	1	1	1	1	1	1	1	1					
		2.7155 - RETAINER, GOVERNOR PACKING SHUTDOWN SHAFT														
5H,J,M	**5144178**	RING, RETAINER (2.7430)	1	1	1	1		2	1		1					
5H,J,M	**5178581**	RING, RETAINER (2.7430)	1	1	1	1		1	1		1					
5H,J,M	**5151487**	WASHER (2.7430)	1	1	1	1		1	1		1					

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7170 - LEVER, GOVERNOR COVER THROTTLE SHAFT														
	5119662	LEVER (LOWER, MANUAL THROTTLE)	1					1			1					
	5119664	LEVER, 2, 3, 4-53 (UPPER, OUTPUT SHAFT GOVERNOR LEVER)	1													
	5119663	LEVER, 6V53						1								
	5102653	LEVER, 6V53									1					
	5132350	SPRING (BETWEEN UPPER AND MIDDLE LEVERS)	1													
	5132351	SPRING						1			1					
	274415	RING, RETAINER (LOWER LEVER) (2.7150)	1													
	5119673	WASHER (ON LOWER LEVER) (2.7140)	1													

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT														
	5122782	+ SHAFT AND CARRIER ASSY.	1													
	5122787	+ SHAFT AND CARRIER ASSY.		1												
	5122788	+ SHAFT AND CARRIER ASSY.			1											
	5122882	SHAFT AND CARRIER ASSY.				1										
	5122883	SHAFT AND CARRIER ASSY.					1									
	5133819	SHAFT AND CARRIER ASSY.						1								
	5125042	+ SHAFT AND CARRIER ASSY.							1							
	5125043	+ SHAFT AND CARRIER ASSY.								1						
	5100061	SHAFT AND CARRIER ASSY.									1					
	5133590	SHAFT AND CARRIER ASSY.										1				
		+ NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		2.7360 - SHAFT, GOVERNOR WEIGHT CARRIER														
5D	**5196615**	@ SHAFT ASSY. (INCLUDES SHAFT AND CARRIER) (2.7350)	1	1	1											
5J	**5121337**	SHAFT				1	1	1								
5L	**5196856**	# SHAFT ASSY. (INCLUDES SHAFT AND CARRIER) (VARIABLE SPEED)							1	1						
5L	**5196855**	# SHAFT ASSY. (INCLUDES SHAFT AND CARRIER) (LIMITING SPEED)									1					
5M	**5133591**	SHAFT ASSY. (INCLUDES SHAFT AND CARRIER) (LIMITING SPEED)										1				
		@ NOT SERVICED, USE 5196855 FOR LIMITING SPEED GOVERNOR, 5196856 FOR VARIABLE AND CONSTANT SPEED GOVERNORS.														
		# REQUIRES FORCED LUBRICATION OF GOVERNOR WEIGHT HOUSING.														
		2.7370 - CARRIER, GOVERNOR WEIGHT SHAFT														
5J	**5133707**	CARRIER				1	1	1								
		2.7380 - RISER, GOVERNOR														
5D	**5122784**	& RISER (INCLUDES THRUST BEARING)	1	1	1											
5J	**5125367**	RISER (INCLUDES THRUST BEARING)				1	1	1								
5L	**5109544**	# RISER (INCLUDES THRUST BEARING) (SMALL FLANGE)							1	1	1					
		& NOT SERVICED, USE 5109544.														
		# REQUIRES FORCED LUBRICATION OF GOVERNOR WEIGHT HOUSING.														
		2.7390 - WEIGHT, GOVERNOR														
	5122770	WEIGHT (HIGH SPEED)	2													
5L	**5122776**	WEIGHT (LOW SPEED)	2								2					
5L,D	**5122772**	WEIGHT		2					2							
5L,D	**5122773**	WEIGHT			2					2						
5J	**5122774**	WEIGHT				2										
5J	**5122775**	WEIGHT					2									
5J	**5122771**	WEIGHT (HIGH SPEED)						2								
5J	**5133662**	WEIGHT (LOW SPEED)						2								
5L	**5129721**	WEIGHT (HIGH SPEED)									2					
5M	**5133592**	WEIGHT (LOW SPEED)										2				
5M	**5133551**	WEIGHT (HIGH SPEED)										2				

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7430 - PIN, GOVERNOR WEIGHT														
4D	**5122785**	PIN	4	2	2						4					
5J,M	**5122786**	PIN				2	2	4				4				
5L	**5125044**	PIN							2	2						
5L	**5125339**	SPACER							4	4						
4D,5M	**9411504**	RING, SNAP	4	2	2	2	2	4	4	4	4	4				
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST														
5M	**9437108**	BEARING					1	1		1						
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END														
5D,L	**907045**	BEARING (N.D. 3202L1A)	1	1	1				1	1	1					
5D,L	**9411502**	RING, SNAP	1	1	1				1	1	1					
		2.7502 - DIAPHRAM, GOVERNOR WEIGHT SHAFT														
		NOTE: REFER TO 3.4350 FOR BLOWER DRIVE SUPPORT/GOVERNOR WEIGHT SHAFT BEARING SUPPORT FOR 6V-53 UNITS.														
5D	**5122783**	SUPPORT	1	1	1				1	1	1					

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT														
	5133832	SHAFT & CARRIER ASSY., 6V53	1													
	5134663	SHAFT & CARRIER ASSY., 8V53		1												
	5135002	% SHAFT & CARRIER ASSY., 2-53			1											
	5143287	% SHAFT & CARRIER ASSY., 2-53				1										
	5144103	% SHAFT & CARRIER ASSY., 3-53					1									
	5144315	SHAFT & CARRIER ASSY., 8V53						1								
		% NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		2.7360 - SHAFT, GOVERNOR WEIGHT CARRIER														
5J	**5121337**	SHAFT, 6V53	1													
	5133591	SHAFT ASSY., 8V53 (INCLUDES SHAFT AND CARRIER) (LIMITING)		1				1								
5L	**5196855**	* SHAFT ASSY., 2-53 (INCLUDES SHAFT AND CARRIER) (LIMITING)			1											
5D	**5196856**	SHAFT ASSY., 2,3-53 (INCLUDES SHAFT AND CARRIER) (CONSTANT SPEED)				1	1									
		* REQUIRES FORCED LUBRICATION OF GOVERNOR WEIGHT HOUSING.														
		2.7370 - CARRIER, GOVERNOR WEIGHT SHAFT														
5J	**5134566**	CARRIER	1													
		2.7380 - RISER, GOVERNOR														
5J	**5134435**	RISER, 6V53 (INCLUDES THRUST BEARING)	1													
5D,L	**5109544**	* RISER, 2,3-53 (INCLUDES THRUST BEARING) (SMALL FLANGE)			1	1	1									
		* REQUIRES FORCED LUBRICATION OF GOVERNOR WEIGHT HOUSING.														
		2.7390 - WEIGHT, GOVERNOR														
5J	**5122775**	WEIGHT, 6V53	4													
	5138736	WEIGHT, 8V53 (VARIABLE SPEED)		2												
5J	**5122770**	WEIGHT, 2-53 (HIGH SPEED)			2											
5D,J	**5143675**	@ WEIGHT, 2-53				2										
5J	**5144176**	WEIGHT, 3-53					1									
	5144314	WEIGHT, 8V53 (LOW SPEED)						2								
	5144313	WEIGHT, 8V53 (HIGH SPEED)						2								
		@ NOT SERVICED; FOR REPLACEMENT USE 5144176 AND INCLUDE (1) 5124201 SPRING IN 2.7550.														
		2.7430 - PIN, GOVERNOR WEIGHT														
5J,M	**5122786**	PIN, 6,8V53	4	4				4								
5D,L	**5125044**	PIN, 2,3-53			2	2	2									
5D,L	**5125339**	SPACER			4		4									
	9411504	RING, SNAP	4	4	2		4	4								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2.7470	**- BEARING, GOVERNOR WEIGHT SHAFT END**														
5D,L	**907045**	BEARING (N.D. 3202L1A)			1	1	1									
5D,L	**9411502**	RING, SNAP			1	1	1									
	2.7502	**- DIAPHRAM, GOVERNOR WEIGHT SHAFT**														
		NOTE: REFER TO 3.4350 FOR BLOWER DRIVE SUPPORT/GOVERNOR WEIGHT SHAFT BEARING SUPPORT FOR 6V-53 UNITS.														
	5122783	SUPPORT			1	1	1									

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING														
	5172555	* HOUSING ASSY. (A & B ENGINE) (5139662)	1													
	5172556	* HOUSING ASSY. (C & D ENGINE) (5139262)		1												
	5126841	* HOUSING ASSY. (C & D ENGINE) (5139262)			1											
	5126121	* HOUSING ASSY. (A & B ENGINE)				1										
	5183479	* HOUSING ASSY. (A & B ENGINE) (5139662)					1									
	5179124	* HOUSING ASSY. (C & D ENGINE) (5139262)						1								
	5127654	* HOUSING ASSY. (C & D ENGINE) (5139262)							1							
	5127655	* HOUSING ASSY. (A & B ENGINE) (5139662)								1						
	5126842	* HOUSING ASSY. (A & B ENGINE) (5139662)									1					
	5129660	* HOUSING ASSY. (A & B ENGINE) (5144095)										1				
		* NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		2.7690 - HOUSING, GOVERNOR VARIABLE SPEED SPRING														
5F	**5172557**	* HOUSING (COUNTERBORE FOR SHAFT PACKING)	1	1			1	1								
5F	**5126060**	@ HOUSING (NO COUNTERBORE)			1	1			1	1	1	1				
5F	**444692**	PLUG, 1/4" PIPE (12.9550)	1	1		1	1	1	1	1	1	1				
	5126789	PLUG, 5/8" CUP			1				1	1	1					
5F	**142656**	PLUG, 3/4" EXPANSION (12.9330)	1	1			1	1								
5F	**5179613**	BOLT, 1/4"-20X1" (IDLE SPEED ADJUST)	1	1			1	1				1				
	5143564	BOLT, 1/4"-20 X 1 1/2" SKT. HD. (IDLE SPEED ADJUST) (12.9076)			1	1			1	1	1					
5F	**123390**	NUT, 1/4"-20 (12.9120)	1	1			1	1	1	1	1	1				
5F	**274856**	NUT, 1/4"-20 THIN (12.9120)			1	1										
		* NOT SERVICED; LISTED FOR REFERENCE ONLY.														
		@ NOT SERVICED; USE 5145444 HOUSING AND INCLUDE (1) 5145446 COVER, (1) 5145445 GASKET AND (1) 9417926 SCREW AND LOCKWASHER ASSEMBLY.														
		2.7712 - BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT														
5F	**148402**	BEARING (2.7100)	2	2	2	2	2	2	2	2	2	2				
		2.7720 - SHAFT, GOVERNOR VARIABLE SPEED SPRING LEVER														
5F	**5173964**	SHAFT	1	1	1		1	1	1	1	1					
	5126120	SHAFT				1										
	5101694	SHAFT										1				
5F	**8928537**	KEY, 3/32"X1/2" WOODRUFF (12.9350)	1	1	2	3	1	1	1	1	2	3				

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7730 - LEVER, GOVERNOR VARIABLE SPEED SPRING														
5F	**5176629**	* LEVER	1	1					1	1						
5F	**5179102**	* LEVER ASSY. (INCLUDES ITEMS IN 2.7732)			1	1	1	1			1	1				
5F	**223065**	SCREW, 5/16"-24X1/4" SET (12.9076)	1	1	1	1	1	1	1	1	1	1				
5F	**5143665**	WASHER (PACKING RETAINER)	1	1	2	2	1	1	1	1	1	2				
		* NOT SERVICED, USE (1) 5139469 LEVER ASSY. AND INCLUDE (1) 5139468 BEARING AND (1) 9425165 PIN.														
		2.7732 - BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER														
	5179105	BEARING			1	1	1	1			1	1				
	5185305	WASHER			2	2	2	2			2	2				
	5179104	PIN, 1/4"X9/16"			1	1	1	1			1	1				
		2.7750 - PACKING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT														
5F	**5153007**	PACKING	1	1			1	1								
5F	**5176557**	SEAL RING (2.7140)			2	2			1	1	1	2				
	5196633	SEAL (LIP TYPE, MAY BE USED IN PLACE OF 5153007 PACKING)	AR	AR			AR	AR								

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING														
	5127656	* HOUSING ASSY., 3-53 (A & B ENGINE) (5144097)	1													
	5132980	HOUSING ASSY., 2-53 (C & D ENGINE)		1												
	5139262	HOUSING ASSY., 3, 4-53 (C & D ENGINE)			1											
	5139662	HOUSING ASSY., 3, 4-53 (A & B ENGINE)				1										
	5144095	HOUSING ASSY., 2, 3, 4-53 (A & B ENGINE)					1									
	5144096	HOUSING ASSY., 3-53 (A & B ENGINE)						1								
	5139263	HOUSING ASSY., 6V53 (A & B ENGINE)							1							
		* NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		2.7690 - HOUSING, GOVERNOR VARIABLE SPEED SPRING														
5F	**5126060**	@ HOUSING (NO COUNTERBORE)	1													
	5145444	HOUSING		1	1	1	1	1	1							
5F	**444692**	PLUG, 1/4" PIPE SOC. HD. (12.9550)	1	1	1	1	1	1	1							
	5121182	PLUG, 1/4"-18 (2.4015)						1	1							
	5126789	PLUG, .696" EXPANSION (12.9330)			1	1										
	9417926	BOLT ASSY., 1/4"-20X3/4" (W/LW) (12.9001)		1	1	1	1	1	1							
	5179613	BOLT, 1/4"-20 X 1 1/4"					1									
	5143564	BOLT, 1/4"-20 X 1 1/2" SKT. HD. (IDLE SPEED ADJUST.) (12.9076)	1	1	1	1		1	1							
5F	**274856**	NUT, 1/4"-20 THIN (12.9120)	1	1	1	1		1	1							
5F	**5141202**	NUT, 1/4"-20 LOCK					1									
		@ NOT SERVICED; USE 5145444 HOUSING AND INCLUDE (1) 5145446 COVER, (1) 5145445 GASKET AND (1) 9417926 SCREW AND LOCKWASHER ASSEMBLY.														
		2.7692 - COVER, GOVERNOR VARIABLE SPEED SPRING HOUSING														
	5145446	COVER							1							
		2.7700 - GASKET, GOVERNOR VARIABLE SPEED SPRING HOUSING														
	5145445	GASKET							1							
		2.7712 - BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT														
5F	**148402**	BEARING (2.7100)	2	2	2	2	2	2	2							
		2.7720 - SHAFT, GOVERNOR VARIABLE SPEED SPRING LEVER														
	5101694	SHAFT, 2, 3, 4-53	1	1			1	1								
	5173964	SHAFT, 3, 4-53			1	1										
	5126120	SHAFT, 6V53							1							
5F	**8928537**	KEY, 3/32" X 1/2" WOODRUFF (12.9350)	3	3	2	2	3	3	3							

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7730 - LEVER, GOVERNOR VARIABLE SPEED SPRING														
		A LEVER ASSY. INCLUDES LEVER, NOT SOLD SEPARATELY, PLUS ITEMS IN 2.7732.														
5F	**5179102**	@ LEVER ASSY., 2, 3-53	1	1												
5F	**5139469**	LEVER ASSY., 2, 3, 4, 6V53			1	1	1	1	1							
5F	**223065**	SCREW, 5/16"-24 X 1/4" SET (12.9076)	1	1	1	1	1	1	1							
5F	**5143665**	WASHER (PACKING RETAINER)	2	2	1	1	2	2	2							
		@ NOT SERVICED, USE (1) 5139469 LEVER ASSY. AND INCLUDE (1) 5139468 BEARING AND (1) 9425165 PIN.														
		2.7732 - BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER														
	5179105	BEARING	1	1												
	5139468	BEARING			1	1	1	1	1							
	5179104	PIN, 1/4" X 9/16"	1	1												
	9425165	PIN, 1/4" X .61"			1	1	1	1	1							
		2.7750 - PACKING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT														
5F	**5176557**	SEAL RING (2.7140)	2	2	1	1	1	2	2							

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7001 - GOVERNOR ASSY.														
	5103796	GOVERNOR ASSY., 6V-53 (VARIABLE SPEED)	1													
	5103784	GOVERNOR ASSY., 6V-53 (LIMITING SPEED)		1												
	5103786	GOVERNOR ASSY., 6V-53 (LIMITING SPEED)			1											
	5103792	GOVERNOR ASSY., 6V-53 (VARIABLE SPEED)				1										
	5107132	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)					1									
	5107131	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)						1								
	5107127	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)							1							
	5107128	GOVERNOR ASSY., 3, 4-53 (LIMITING SPEED)								1						
	5107142	GOVERNOR ASSY., 3, 4-53 (VARIABLE SPEED)									1					
	5107145	GOVERNOR ASSY., 4-53 (VARIABLE SPEED)										1				
	5107144	GOVERNOR ASSY., 3, 4-53 (VARIABLE SPEED)											1			
	5107143	GOVERNOR ASSY., 3-53 (VARIABLE SPEED)												1		
	5107139	GOVERNOR ASSY., 3, 4-53 (VARIABLE SPEED)													1	
	8924601	GOVERNOR ASSY., 6V53 (LIMITING SPEED)														1
		2.7002 - NAME PLATE, GOVERNOR														
	5122166	NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	145369	SCREW, #4X3/16" RED. HD. DR. (12.9067)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE														
		A COVER ASSY. INCLUDES ITEMS IN 2.7050, 2.7095, 2.7100, 2.7115, 2.7140, 2.7150 AND 2.7155.														
	5103752	COVER ASSY., 6V53 (VARIABLE)	1			1										
	5103748	COVER ASSY., 6V53 (LIMITING)		1	1											
	5107124	COVER ASSY., 3, 4-53 (LIMITING)					1			1						
	5107125	COVER ASSY., 3, 4-53 (LIMITING)						1	1							
	5107138	COVER ASSY., 3, 4-53 (VARIABLE)									1			1		
	5107137	COVER ASSY., 3, 4-53 (VARIABLE)										1	1		1	
	8924602	COVER ASSY., 6V53 (LIMITING)														1
	5101768	RETAINER	1			1					1	1	1	1	1	
	9417926	SCREW, 1/4"-20X3/4" FIL. HD. (WITH LOCKWASHER) (12.9001)	6	8	8	6	4	4	4	4	3	3	3	3	3	8
	5144196	WASHER (2.7045)					1	1	1	1	1	1	1	1	1	
	453007	SCREW, 1/4"-20X1 (WITH LOCKWASHER) (12.9001)	1			1					1	1	1	1	1	
		2.7050 - COVER ASSY., GOVERNOR-LESS SHAFT AND LEVERS														
	5103756	COVER ASSY., 6V53 (VARIABLE)	1			1										
	5103747	COVER ASSY., 6V53 (LIMITING)		1	1											1
	5126397	COVER ASSY., 3, 4-53 (LIMITING)					1			1						

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7050 - COVER ASSY., GOVERNOR-LESS SHAFT AND LEVERS (CONT'D)														
	5126398	COVER ASSY., 3, 4-53 (LIMITING)						1	1							
	5126431	COVER ASSY., 3, 4-53 (VARIABLE)									1			1		
	5126430	COVER ASSY., 3, 4-53 (VARIABLE)										1	1		1	
	9417392	PIN, SPRING (COILED) (12.9275)	2	2	2	2										2
		2.7051 - GASKET, GOVERNOR COVER														
	456540	PIN, SPRING (12.9275)					2	2	2	2	2	2	2	2	2	
5J	**5121342**	GASKET, 6V-53	1	1	1	1										1
5J	**5122742**	GASKET, 3, 4-53					1	1	1	1	1	1	1	1	1	
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE														
	5103780	SHAFT ASSY., 6V53	1			1										
	5106266	SHAFT ASSY., 6V53		1	1											
	5107122	SHAFT ASSY., 3, 4-53					1	1	1	1						
	5107136	SHAFT ASSY., 3, 4-53									1	1	1	1	1	
	8924603	SHAFT ASSY., 6V53														1
5M	**113500**	PIN, #1 X 7/8" TAPER (12.9280)	1	1	1	1										
	455297	PIN, 5/32"X7/8" SPRING (12.9270)														1
	455734	PIN, SPRING 1/8"X3/4" (12.9300)					1	1	1	1	1	1	1	1	1	
	271287	FITTING, LUB 1/4"-28 (12.9540)					1	1	1	1						
		2.7100 - BEARING, GOVERNOR THROTTLE SHAFT														
	8921472	BUSHING	2	2	2	2										2
		2.7115 - SHAFT ASSY., GOVERNOR SHUTDOWN														
	5104516	SHAFT ASSY., 6V53 (INCLUDES PIN)		1	1											1
	5107123	SHAFT ASSY., 3, 4-53 (INCLUDES PIN)					1	1	1	1						
5A	**5143146**	SHAFT ASSY., 6V53														1
5J	**457009**	PIN, 3/16" X 1 3/4" (12.9270)		1	1											1
	453676	PIN, 1/8"X1" ROLL (12.9275)					1	1	1	1						
		2.7140 - WASHER, GOVERNOR THROTTLE SHAFT														
5J,M	**5176557**	SEAL RING, 6, 8V53	1	1	1	1										1
	5101691	SEAL RING		1	1		1	1	1	1						1
	5179232	SEAL RING (2.4225)					1	1	1	1	1	1	1	1	1	
		2.7150 - RETAINER, GOVERNOR PACKING THROTTLE SHAFT														
5E,J,M	**5144177**	RING, RETAINER	1	1	1	1										1
5J,M	**5174429**	RING, RETAINER	1	1	1	1										1
	5122732	RING, RETAINER					1	1	1	1	1	1	1	1	1	
5E,J,M	**5153060**	WASHER	1	1	1	1										1
	5150238	WASHER (3.4001)					1	1	1	1	1	1	1	1	1	
		2.7155 - RETAINER, GOVERNOR PACKING SHUTDOWN SHAFT														
5H,J,M	**5144178**	RING, RETAINER (2.7430)		1	1		1	1	1	1						1
5H,J,M	**5178581**	RING, RETAINER (2.7430)		1	1		1	1	1	1						1
5H,J,M	**5151487**	WASHER (2.7430)		1	1		1	1	1	1						1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL														
5J	**5121001**	HOUSING, 6V-53 (INCLUDES ITEMS IN 2.7230 THROUGH 2.7300)	1			1										
5J	**5145923**	HOUSING, 6V-53		1												
5J	**5100998**	HOUSING, 6V-53			1											1
5J	**5144090**	HOUSING, 3, 4-53					1		1	1		1	1		1	
5J	**5144089**	HOUSING, 3, 4-53						1			1			1		
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V-53	2	2	2	2										2
	5116262	ADAPTOR, INJECTOR CONTROL LINK BODT 3, 4-53 (2.7830)					1	1	1	1	1	1	1	1	1	
	8924749	PLUG, 1/8" HEX. SOC. HD. (12.9550)					1	1	1	1						
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9390)	1	1	1	1										1
	9417025	PLUG, 1 3/4" EXP.	1	1	1	1										1
	141242	PIN, 3/8" X 7/8" L. (12.9290)	2	2	2	2										2
5J	**5145823**	PIN, .375" X 2.20" L.		1	1											1
5J	**5119314**	PIN, 3/8" X 1.68" (CONTROL LINK LEVER SHAFT)				1										
5J	**5150942**	PIN, DOWEL (COVER ALIGNING)	2	2	2	2										2
5J	**5116071**	PIN, (TO CYLINDER BLOCK END PLATE)	1	1	1	1										1
	9421917	SCREW, #10-24 X 7/16" (12.9025)	1		1											1
	120391	WASHER, 7/32" (12.9190)	1		1											1
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING														
		INCLUDES ITEMS IN 2.7255, 2.7260, 2.7280 AND 2.7300.														
	5121458	SHAFT ASSY., 6V-53	1	1		1										
	5100999	SHAFT ASSY., 6V-53			1											1
	5122752	SHAFT ASSY., 3, 4-53					1			1		1	1		1	
	5122753	SHAFT ASSY., 3, 4-53						1	1		1			1		
		2.7255 - SHAFT, GOVERNOR OPERATING														
5J	**5121339**	SHAFT, 6V-53	1	1	1	1										1
5J	**5122751**	SHAFT, 3, 4-53					1	1	1	1	1	1	1	1	1	
		2.7257 - TUBE, GOVERNOR OPERATING SHAFT														
5D,K	**5122754**	TUBE, 3, 4-53					1	1	1	1	1	1	1	1	1	
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER														
5D,J	**9431894**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5D,J	**9421917**	SCREW & LOCKWASHER ASSY. #10-24X7/16" (12.9025)		1		1	1	1	1	1	1	1	1	1	1	
5D,J	**120391**	WASHER, #10 (12.9190)		1		1	1	1	1	1	1	1	1	1	1	
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER														
5J	**954987**	BEARING, 6V-53	1	1	1	1										1
	9431887	BEARING, 3, 4-53					1	1	1	1	1	1	1	1	1	
	9413284	RING, RETAINER					1	1	1	1	1	1	1	1	1	
	9428477	PLUG, CUP (2.7340)					1	1	1	1	1	1	1	1	1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER														
		A LEVER ASSY. INCLUDES PIN IN 2.7300.														
5J	**5116011**	LEVER ASSY., 6V-53	1	1	1	1										1
	5122749	LEVER ASSY., 3, 4-53					1			1		1	1		1	
	5122750	LEVER ASSY., 3, 4-53						1	1		1			1		
	5132962	SCREW, GOVERNOR GAP ADJUSTING	1	1	1	1										1
	5145007	SCREW, GOVERNOR GAP ADJUSTING			1											1
	5150898	SCREW, GOVERNOR GAP ADJUSTING					1	1	1	1	1	1	1	1	1	
	5106055	BOLT, #5-40X.54"			1											1
	114492	LOCKNUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	426324	NUT, #5-40 (12.9120)			1											1
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER														
5J	**5138335**	FORK, 6V-53	1	1	1	1										1
	5122741	FORK, 3, 4-53					1	1	1	1	1	1	1	1	1	
	9425382	SCREW (W/LOCKWASHER) #10-32X5/8" (12.9001)					2	2	2	2	2	2	2	2	2	
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER														
5J	**5150943**	PIN, 6V-53	1	1	1	1										1
	5122746	PIN, 3, 4-53					1	1	1	1	1	1	1	1	1	
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL														
		A LEVER ASSY. INCLUDES PIN IN 2.7315.														
5J	**5124209**	LEVER ASSY., 6V-53	1	1	1	1										1
	5126311	LEVER ASSY., 3, 4-53					1	1	1	1						
	5122743	LEVER ASSY., 3, 4-53									1	1	1	1	1	
5J	**5150941**	WASHER	1	1	1	1	1	1	1	1						1
5J	**142583**	RETAINER, 13/64" SPRING (12.9460)	1	1	1	1	1	1	1	1						1
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER														
5J	**5150943**	PIN, 6V-53 (2.7300)	1	1	1	1										1
	5126310	PIN, 3, 4-53					1	1	1	1						
	5122745	PIN, 3, 4-53									1	1	1	1	1	
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING														
5J	**5121490**	LEVER ASSY., 6V-53 (INCLUDES NEEDLE BEARINGS)	1			1										
	5145820	LEVER ASSY., 6V-53 (INCLUDES NEEDLE BEARINGS)		1	1											1
5J	**9437946**	BEARING, NEEDLE (2.7440)	2	2	2	2										2
5J	**5117693**	PIN, 1.00" L.	2	2	2	2										2
5J	**148148**	RETAINER, 1/4" SPRING (12.9640)	1	1	1	1										1
5J	**5151487**	WASHER (2.7430)	2	3	3	2										3

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7340 - HOUSING, GOVERNOR WEIGHT														
5D,K	**5129730**	HOUSING, 3, 4-53 (C & D ENG.)					1			1		1	1		1	
5D,K	**5129731**	HOUSING, 3, 4-53 (A & B ENG.)						1	1		1			1		
5K	**5119127**	BUSHING (WEIGHT SHAFT END)					1	1	1	1	1	1	1	1	1	
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT														
		A SHAFT AND CARRIER ASSY. INCLUDE ITEMS IN 2.7360, 2.7370, 2.7380, 2.7390, 2.7430 AND 2.7460.														
	5122883	SHAFT AND CARRIER ASSY.	1			1										
	5133819	SHAFT AND CARRIER ASSY.		1	1											1
	5100061	SHAFT AND CARRIER ASSY.					1	1	1	1						
	110529	SCREW, #10-24X1/4" FLAT HD. (12.9300)					1	1	1	1	1	1	1	1	1	
		2.7360 - SHAFT, GOVERNOR WEIGHT CARRIER														
5J	**5121337**	SHAFT	1	1	1	1										1
	5196855	SHAFT ASSY. (INCLUDES SHAFT AND CARRIER) (LIMITING SPEED)					1	1	1	1						
	5196856	SHAFT ASSY. (INCLUDES SHAFT AND CARRIER) (VARIABLE SPEED)									1	1	1	1	1	
		2.7370 - CARRIER, GOVERNOR WEIGHT SHAFT														
5J	**5133707**	CARRIER	1	1	1	1										1
		2.7380 - RISER, GOVERNOR														
5J	**5125367**	RISER (INCLUDES THRUST BEARING)	1	1	1	1										1
	5109544	RISER (INCLUDES THRUST BEARING)					1	1	1	1	1	1	1	1	1	
		2.7390 - WEIGHT, GOVERNOR														
5J	**5122775**	WEIGHT	2			2										
5J	**5122771**	WEIGHT (HIGH SPEED)		2	2											2
5J	**5133662**	WEIGHT (LOW SPEED)		2	2											2
	5129721	WEIGHT (LOW SPEED)					2	2	2	2						
	5122776	WEIGHT (LOW SPEED)					2	2	2	2						
	5122773	WEIGHT									2	2	2	2	2	
		2.7430 - PIN, GOVERNOR WEIGHT														
5J,M	**5122786**	PIN	2	4	4	2										4
4D	**5122785**	PIN					4	4	4	4						
5L	**5125044**	PIN									2	2	2	2	2	
4D,5M	**9411504**	RING, SNAP	2	4	4	2	4	4	4	4	4	4	4	4	4	4
5L	**5125339**	SPACER									4	4	4	4	4	
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST														
5M	**9437108**	BEARING	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7470 - BEARING, GOVERNOR WEIGHT SHAFT END														
5D,L	**907045**	BEARING (N.D. 320261A)					1	1	1	1	1	1	1	1	1	
5D,L	**9411502**	RING, SNAP					1	1	1	1	1	1	1	1	1	
		2.7475 - SPACER, GOVERNOR WEIGHT SHAFT														
5B	**5122738**	SPACER (BETWEEN GEAR AND BEARING)					1	1	1	1	1	1	1	1	1	
		2.7502 - DIAPHRAM, GOVERNOR WEIGHT SHAFT														
		NOTE: REFER TO 3.4350 FOR BLOWER DRIVE SUPPORT/GOVERNOR WEIGHT SHAFT BEARING SUPPORT FOR 6V-53 UNITS.														
	5122783	SUPPORT					1	1	1	1	1	1	1	1	1	
		2.7540 - SPRING, GOVERNOR LOW SPEED														
5G	**5122165**	SPRING (ONE BLUE STRIPE)		1	1		1	1	1	1						1
		2.7550 - SPRING, GOVERNOR HIGH SPEED														
5G	**5124415**	SPRING, 6V-53 (ONE WHITE STRIPE)		1												
	5131541	SPRING, 6V-53 (ONE RED & GREEN STRIPE)			1											1
	5182560	SPRING, 3, 4-53 (WIDE RED STRIPE)					1	1								
	5132444	SPRING, 3,4-53 (TWO GREEN STRIPES)							1	1						
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING														
5G	**5182555**	PLUNGER, 2, 3, 4, 6V-53		1			1	1								
5G	**5126135**	PLUNGER, 3, 4, 6V-53			1				1	1						1
		2.7570 - SEAT, GOVERNOR LOW SPEED SPRING														
5G,M	**5150892**	SEAT		1	1		1	1	1	1						1
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING														
	5103975	CAP		1	1		1	1	1	1						1
		2.7590 - SCREW, GOVERNOR LOW SPEED SPRING ADJUSTING														
	5101432	PIN		1			1	1								
	5101798	PIN, 1.80" L.			1				1	1						1
	5102270	SCREW		1	1		1	1								1
	5102256	BOLT, 1/4"-28X.88"							1	1						
5G,M	**114492**	LOCKNUT, 1/4"-28 (12.9120)		1	1		1	1	1	1						1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7600 - SHIM, GOVERNOR HIGH SPEED SPRING														
5G	**5151249**	SHIM, .078"			AR				AR	AR						AR
5G	**5150947**	SHIM, .010"			AR				AR	AR						AR
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING														
5G	**5182557**	RETAINER, 2, 3, 4, 6V-53		1			1	1								
5G	**5174436**	RETAINER, 3, 4, 6V-53			1					1						1
5G	**5104860**	RETAINER, 3, 4-53							1							
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER														
5G	**5186115**	LOCKNUT		1			1	1								
		2.7630 - COVER, GOVERNOR HIGH SPEED SPRING														
	5131132	COVER, 2, 3, 4, 6V-53			1				1	1						1
5G	**179816**	BOLT, 5/16"-18 X 3/4" (12.9001)			2				2	2						2
5M	**5155596**	WASHER, 5/16" COPPER (4.7120)			2				2	2						2
		2.7635 - HOUSING, GOVERNOR HIGH SPEED SPRING ADJUSTING SCREW														
5G,M	**5182559**	HOUSING		1			1	1								
5G,M	**186270**	BOLT, 5/16"-18 X 3 1/2" (12.9001)		2			2	2								
5G,M	**5155596**	WASHER, 5/16" COPPER (4.7120)		2			2	2								
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER														
5G,M	**8922593**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING														
		A HOUSING ASSY. INCLUDES ITEMS IN 2.7690, 2.7712, 2.7720, 2.7730, 2.7732 AND 2.7750.														
	5139262	HOUSING ASSY., 3, 4-53 (C & D ENGINE)	1								1				1	
	5139263	HOUSING ASSY., 6V53 (A & B ENGINE)				1						1				
	5144097	HOUSING ASSY., 3, 4-53											1			
	5144096	HOUSING ASSY., 3, 4-53												1		
	142583	RETAINER, SPRING (12.9640)									1	1	1	1	1	
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	2			2					2	2	2	2	2	
	103320	LOCKWASHER, 5/16" (12.9200)	2			2										
	5155596	WASHER, 5/16" COPPER (4.7120)									2	2	2	2	2	
	5150941	WASHER, 21/64" (2.7310)									1	1	1	1	1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2.7690	**- HOUSING, GOVERNOR VARIABLE SPEED SPRING**														
	5145444	HOUSING	1			1					1	1	1	1	1	
	5145446	COVER	1			1					1	1	1	1	1	
	5145445	GASKET	1			1					1	1	1	1	1	
	5126789	PLUG	1								1				1	
	9417926	BOLT ASSY., 1/4"-20X3/4" (W/LW) (12.9001)	1			1					1	1	1	1	1	
	5143564	BOLT, 1/4"-20X1 1/2" SKT. HD. (IDLE SPEED ADJUST) (12.9076)	1			1					1	1	1	1	1	
5F	**274856**	NUT, 1/4"-20 THIN (12.9120)	1			1					1	1	1	1	1	
	2.7712	**- BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT**														
5F	**148402**	BEARING (2.7100)	2			2					2	2	2	2	2	
	2.7720	**- SHAFT, GOVERNOR VARIABLE SPEED SPRING LEVER**														
	5173964	SHAFT, 3, 4-53	1								1				1	
	5126120	SHAFT, 6V53				1						1				
	5101694	SHAFT, 3, 4-53											1	1		
5F	**8928537**	KEY, 3/32"X1/2" WOFF (12.9350)	2			3					2	3	3	3	2	
	2.7730	**- LEVER, GOVERNOR VARIABLE SPEED SPRING**														
[illegible]F	**5139469**	LEVER ASSY., 2, 3, 4, 6V53	1			1					1	1	1	1	1	
[illegible]F	**223065**	SCREW, 5/16"-24X1/4" SET (12.9076)	1			1					1	1	1	1	1	
5F	**5143665**	WASHER (PACKING RETAINER)	1			2					1	2	2	2	1	
	2.7732	**- BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER**														
	5139468	BEARING	1			1					1	1	1	1	1	
	9425165	PIN, 1/4"X.61"	1			1					1	1	1	1	1	
	2.7750	**- PACKING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT**														
5F	**5176557**	SEAL RING (2.7140)	1			2					1	2	2	2	1	
	2.7760	**- SPRING, GOVERNOR VARIABLE SPEED**														
5F	**5127397**	SPRING, 4-53 (TWO LIGHT BLUE STRIPES)	1			1					1	1	1	1	1	
	2.7770	**- PLUNGER, GOVERNOR VARIABLE SPEED SPRING**														
	5152938	PLUNGER, 6V-53	1			1										
	5162661	PLUNGER, 3, 4-53									1	1	1	1	1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER														
	5152939	GUIDE, 3,4,6V-53	1			1					1	1	1	1	1	
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING														
5F	**5137276**	RETAINER	1			1					1	1	1	1	1	
		2.7795 - STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER														
5F	**5171784**	STOP, 2, 4, 6, 8V-53 (WITH STEP)	1			1					1	1	1	1	1	
5F	**5174430**	STOP, 2, 4, 6, 8V-53 (WITH GAP)	1			1						1	1	1	1	
		2.7800 - SHIM, GOVERNOR VARIABLE SPEED SPRING														
5F	**5136590**	SHIM, .010"	6			6					6	6	6	6	6	
5F	**5136591**	SHIM, .078"	3			3					3	3	3	3	3	
		2.7810 - SCREW ASSY., GOVERNOR BUFFER														
	5126073	SCREW ASSY. 6V-53 (INCLUDES SPRING)	1			1										
	5172383	SCREW ASSY. 6V-53 (INCLUDES SPRING)		1	1											1
	5183773	SCREW ASSY., 3, 4-53 (INCLUDES SPRING)									1	1	1	1	1	
	5177083	SCREW ASSY., 3, 4-53 (INCLUDES SPRING)					1	1								
	5139678	SCREW ASSY., 3, 4-53 (INCLUDES SPRING)							1	1						
	5152929	SPRING	1			1										
	5174286	NUT, 3/8"-24 (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		2.7890 - TUBE ASSY., GOVERNOR BEARING LUBRICATION														
5D	**5144695**	TUBE ASSY., 3, 4-53 (DEV. L. 8.08") (TEE TO CONTROL HOUSING) (A&B ENG.)									1			1		
5D	**5144093**	TUBE ASSY., 3, 4-53 (DEV. L. 7.32") (TEE TO CONTROL HOUSING) (C&D ENG.)										1	1		1	
5D	**5143990**	TEE, 1/4"-1/4" TUBE X 1/8" PIPE (IN WEIGHT HOUSING)									1	1	1	1	1	
5D	**5166265**	ELBOW, 1/4" TUBE X 1/8" PIPE, 90 DEG. (7.4074)									1	1	1	1	1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B
		2.7001 - GOVERNOR ASSY.		
	8927159	GOVERNOR ASSY., 6V53 (LIMITING SPEED, VARIABLE LOW SPEED)	1	
	5103794	GOVERNOR ASSY., 6V53 (VARIABLE SPEED)		1
		2.7002 - NAME PLATE, GOVERNOR		
	5122166	NAME PLATE	1	1
	145369	SCREW, #4X3/16" RED. HD. DR.	2	2
		2.7045 - COVER ASSY., GOVERNOR-COMPLETE		
		A COVER ASSY. INCLUDES ITEMS IN 2.7050, 2.7095, 2.7100, 2.7115, 2.7140, 2.7150 AND 2.7155.		
	5103748	COVER ASSY., 6V53 (LIMITING)	1	
	5103752	COVER ASSY., 6V53 (VARIABLE)		1
	5101768	RETAINER		1
	9417926	SCREW, 1/4"-20X3/4" FIL. HD. W/LOCKWASHER (12.9001)	8	6
	453007	SCREW, 1/4"-20X1" W/LOCKWASHER (12.9001)		2
		2.7050 - COVER ASSY., GOVERNOR-LESS SHAFT AND LEVERS		
	5103747	COVER ASSY., 6V53 (LIMITING)	1	
	5103756	COVER ASSY., 6V53 (VARIABLE)		1
	9417392	PIN, SPRING (COILED) (12.9275)	2	2
		2.7051 - GASKET, GOVERNOR COVER		
5J	**5121342**	GASKET	1	1
		2.7095 - SHAFT ASSY., GOVERNOR THROTTLE		
	5106266	SHAFT ASSY., 6V53	1	
	5103780	SHAFT ASSY., 6V53		1
5A	**113500**	PIN, #1X7/8" TAPER (12.9280)	1	
	455297	PIN, 5/32"X7/8" SPRING (12.9270)		1
		2.7100 - BEARING, GOVERNOR THROTTLE SHAFT		
	8921472	BUSHING	2	2
		2.7115 - SHAFT ASSY., GOVERNOR SHUTDOWN		
	5104516	SHAFT ASSY., 6V53 (INCLUDES PIN)	1	
5J	**457009**	PIN, 3/16"X1 3/4" (12.9270)	1	
		2.7140 - WASHER, GOVERNOR THROTTLE SHAFT		
5J,M	**5176557**	SEAL RING, 6V53	1	1
	5101691	SEAL RING	1	

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B
		2.7150 - RETAINER, GOVERNOR PACKING THROTTLE SHAFT		
5E	**5144177**	RING, RETAINER	1	1
5J	**5174429**	RING, RETAINER	1	1
5E	**5153060**	WASHER	1	1
		2.7155 - RETAINER, GOVERNOR PACKING SHUTDOWN SHAFT		
5J	**5144178**	RING, RETAINER (2.7430)	1	
5J	**5178581**	RING, RETAINER (2.7430)	1	
5J	**5151487**	WASHER (2.7430)	1	
		2.7230 - HOUSING ASSY., GOVERNOR CONTROL		
5J	**5100998**	HOUSING, 6V-53	1	
5J	**5134686**	HOUSING, 6V-53		1
5J	**5126069**	ADAPTOR, INJECTOR CONTROL LINK BOOT 6V-53	2	2
5J	**116337**	PLUG, 1 1/16" EXPANSION (12.9390)	1	1
	9417025	PLUG, 1 3/4" EXP.	1	1
	141242	PIN, 3/8"X7/8" L. (12.9290)	2	2
5J	**5119314**	PIN, 3/8"X1.68" (CONTROL LINK LEVER SHAFT)		1
5J	**5145823**	PIN, .375"X2.20"L.	1	
5J	**5150942**	PIN, DOWEL (COVER ALIGNING)	2	2
5J	**5116071**	PIN (TO CYL BLK END PLATE)	1	1
	9421917	SCREW, #10-24X7/16" (12.9025)	1	1
	120391	WASHER, 7/32" (12.9190)	1	1
		2.7250 - SHAFT ASSY., GOVERNOR OPERATING		
	5100999	SHAFT ASSY., 6V53	1	
	5134684	SHAFT ASSY., 6V53		1
		2.7255 - SHAFT, GOVERNOR OPERATING		
5J	**5121339**	SHAFT, 6V53	1	
5J	**5134316**	SHAFT, 6V53		1
		2.7260 - BEARING, GOVERNOR OPERATING SHAFT-UPPER		
5J	**9431894**	BEARING	1	
5J	**9431896**	BEARING		1
		2.7270 - BEARING, GOVERNOR OPERATING SHAFT-LOWER		
5J	**954987**	BEARING, 6V53	1	1
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER		
5J	**5116011**	LEVER ASSY., 6V53	1	
5J	**5134685**	LEVER ASSY., 6V53		1
	5145007	SCREW, GOV. GAP ADJ.	1	
	5132962	SCREW, GOV. GAP ADJ.		1

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2.7000A MECHANICAL GOVERNOR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B
		2.7280 - LEVER, GOVERNOR OPERATING SHAFT-UPPER (CONT'D)		
	5106055	BOLT, #5-40X.54	1	
	114492	LOCKNUT, 1/4"-28 (12.9120)		1
	426324	NUT, #5-40 (12.9120)	1	
		2.7290 - FORK, GOVERNOR OPERATING SHAFT-LOWER		
5J	**5138335**	FORK, 6V53	1	1
	5134193	SPACER		1
		2.7300 - PIN, GOVERNOR OPERATING SHAFT LEVER		
5J	**5150943**	PIN, 6V53	1	1
		2.7310 - LEVER AND PIN ASSY., GOVERNOR DIFFERENTIAL		
		A LEVER ASSY. INCLUDES PIN IN 2.7315.		
5J	**5124209**	LEVER ASSY., 6V53	1	1
5J	**5150941**	WASHER	1	1
5J	**142583**	RETAINER, 13/64" SPRING (12.9460)	1	1
		2.7315 - PIN, GOVERNOR DIFFERENTIAL LEVER		
	5150943	PIN, 6V53 (2.7300)	1	1
		2.7317 - LEVER ASSY., GOVERNOR CONTROL LINK OPERATING		
5J	**5145820**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARINGS)	1	
5J	**5121490**	LEVER ASSY., 6V53 (INCLUDES NEEDLE BEARING)		1
5J	**447196**	BEARING, NEEDLE (2.7440)	2	2
5J	**5117693**	PIN, 1.00"L.	2	2
5J	**148148**	RETAINER, 1/4" SPRING (12.9640)	1	1
5J	**5151487**	WASHER (2.7430)	2	2
		2.7350 - SHAFT AND CARRIER ASSY., GOVERNOR WEIGHT		
		A SHAFT AND CARRIER ASSY. INCLUDES ITEMS IN 2.7360, 2.7370, 2.7380, 2.7390, 2.7430 AND 2.7460.		
	5141762	SHAFT AND CARRIER ASSY.	1	
	5133832	SHAFT AND CARRIER ASSY.		1
		2.7360 - SHAFT, GOVERNOR WEIGHT CARRIER		
5J	**5121337**	SHAFT	1	1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B
		2.7370 - CARRIER, GOVERNOR WEIGHT SHAFT		
5J	**5133707**	CARRIER	1	
	5134566	CARRIER		1
		2.7380 - RISER, GOVERNOR		
5J	**5125367**	RISER (INCLUDES THRUST BEARING)	1	
	5134435	RISER (INCLUDES THRUST BEARING)		1
		2.7390 - WEIGHT, GOVERNOR		
5J	**5122771**	WEIGHT (HIGH SPEED)	2	
5J	**5122775**	WEIGHT		4
5J	**5141763**	WEIGHT (LOW SPEED)	2	
		2.7430 - PIN, GOVERNOR WEIGHT		
5J	**5122786**	PIN	4	8
5M	**9411504**	RING, SNAP	4	4
		2.7460 - BEARING, GOVERNOR WEIGHT RISER THRUST		
5M	**9437108**	BEARING	1	
5M	**9438907**	BEARING		1
		2.7540 - SPRING, GOVERNOR LOW SPEED		
5G	**5145638**	SPRING (INNER)	1	
5G	**5145780**	SPRING (OUTER)	1	
		2.7550 - SPRING, GOVERNOR HIGH SPEED		
5G	**5141764**	SPRING, 6V53	1	
		2.7560 - PLUNGER, GOVERNOR LOW SPEED SPRING		
5G	**5101705**	PLUNGER, 6V53	1	
		2.7561 - RETAINER, GOVERNOR LOW SPEED SPRING PLUNGER SHAFT		
	5101708	RETAINER	1	
	274268	RING, SNAP	1	
	5140045	LOCKNUT	1	
	9437408	PIN, SPRING 3/32"X1/4" (12.9270)	1	
		2.7563 - PLUNGER, GOVERNOR HIGH SPEED SPRING		
	5101709	PLUNGER	1	

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2.7000A MECHANICAL GOVERNOR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B
		2.7580 - CAP, GOVERNOR LOW SPEED SPRING		
	5145781	CAP	1	
		2.7610 - RETAINER, GOVERNOR HIGH SPEED SPRING		
5G	**5145784**	RETAINER, 6V53	1	
		2.7615 - LOCKNUT, GOVERNOR HIGH SPEED SPRING RETAINER		
5G	**5182558**	LOCKNUT	1	
		2.7650 - GASKET, GOVERNOR HIGH SPEED SPRING COVER		
5G	**8922593**	GASKET	1	1
		2.7680 - HOUSING ASSY., GOVERNOR VARIABLE SPEED SPRING		
		A HOUSING ASSY. INCLUDES ITEMS IN 2.7690, 2.7712, 2.7720, 2.7730, 2.7732 AND 2.7750.		
	5139263	HOUSING ASSY., 6V53 (A&B ENGINE)		1
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)		2
	103320	LOCKWASHER, 5/16" (12.9200)		2
		2.7690 - HOUSING, GOVERNOR VARIABLE SPEED SPRING		
	5101712	HOUSING	1	
	5145444	HOUSING		1
	5145446	COVER		1
	5145445	GASKET		1
	5143564	BOLT, 1/4"-20X1/2" (12.9076)		1
	9417926	BOLT ASSY., 1/4"-20X3/4" (W/LW) (12.9001)		1
	451328	BOLT, 5/16"-18X4" (DRILLED HEAD) (12.9001)	2	
	103321	LOCKWASHER, 5/16" (12.9200)	2	
	274856	NUT, 1/4"-20 (12.9120)		1
		2.7712 - GEARING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT		
5F	**148402**	BEARING (2.7100)		2
		2.7720 - SHAFT, GOVERNOR VARIABLE SPEED SPRING LEVER		
	5126120	SHAFT, 6V53		1
5F	**8928537**	KEY, 3/32"X1/2" (12.9350)		3

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B
		2.7730 - LEVER, GOVERNOR VARIABLE SPEED SPRING		
5F	**5139469**	LEVER ASSY., 6V53		1
5F	**223065**	SCREW, 5/16"-24X1/4" SET (12.9076)		1
5F	**5143665**	WASHER (PACKING RETAINER)		2
		2.7732 - BEARING, GOVERNOR VARIABLE SPEED SPRING LEVER		
	5139468	BEARING		1
	9425165	PIN, 1/4"X.61"		1
		2.7736 - PISTON, GOVERNOR SPEED CONTROL		
	5101706	PISTON	1	
		2.7737 - SEAL, GOVERNOR SPEED CONTROL PISTON		
	5101711	SEAL (2.7736)	1	
		2.7741 - CYLINDER, GOVERNOR SPEED CONTROL PISTON		
	5101707	CYLINDER	1	
	5101704	TUBE, TRANSFER 1.76"L. (2.7694)	1	
	5101710	RING, SEAL .070"X.114" I.D. (2.7694)	1	
	114493	LOCKWASHER, 5/16"-24 (2.7170)	1	
		2.7750 - PACKING, GOVERNOR VARIABLE SPEED SPRING LEVER SHAFT		
5F	**5176557**	SEAL RING (2.7140)		2
		2.7760 - SPRING, GOVERNOR VARIABLE SPEED		
5F	**5133712**	SPRING, 6V53		1
		2.7770 - PLUNGER, GOVERNOR VARIABLE SPEED SPRING		
	5138331	PLUNGER, 6V53		1
		2.7780 - GUIDE, GOVERNOR VARIABLE SPEED SPRING PLUNGER		
	5152939	GUIDE, 6V53		1
		2.7790 - RETAINER, GOVERNOR VARIABLE SPEED SPRING		
5F	**5137276**	RETAINER		1

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2.7000A MECHANICAL GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B
	2.7795	**- STOP, GOVERNOR VARIABLE SPEED SPRING RETAINER**		
5F	**5171784**	STOP, 6V53 (W/STEP)		1
5F	**5174430**	STOP, 6V53 (W/GAP)		1
	2.7800	**- SHIM, GOVERNOR VARIABLE SPEED SPRING**		
5F	**5136590**	SHIM, .010"		6
5F	**5136591**	SHIM, .078"		3
	2.7810	**- SCREW ASSY., GOVERNOR BUFFER**		
	5172383	SCREW ASSY., 6V53 (INCLUDES SPRING)	1	1
	5174286	NUT, 3/8"-24 (12.9140)	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 492	497	555	556	695	822	871	883	973	974	998	1002
	2.8030	**- GOVERNOR ASSY.**												
		(DOES NOT INCLUDE DRIVE ASSY. IN 2.8750.) SEE ASSEMBLY BREAKDOWN PAGE A1.												
6C	**5124621**	= GOVERNOR ASSY., 4-53 (SG) (C & D ENGINES)	1											
6C	**5108291**	? GOVERNOR ASSY., 2,3,4-53 (SG) (C & D ENGINES)	1			1							1	
6C	**5124620**	= GOVERNOR ASSY., 2,3,4-53 (SG) (A & B ENGINES)		1	1									
6C	**5108290**	? GOVERNOR ASSY., 2,3,4-53 (SG) (A & B ENGINES)		1	1									
6C	**5131976**	# GOVERNOR ASSY., 2-53 (PSG) (C & D ENGINES)					1							
	5136998	GOVERNOR ASSY., 4-53 (SG) (C ENGINE)						1						1
	5138071	GOVERNOR ASSY., 4-53 (SG) (24V. MOTOR) (C ENGINE)							1					
	5138414	# GOVERNOR ASSY., 4-53 (PSG) (C ENGINE)								1				
	5141046	GOVERNOR ASSY., 4-53 (SG) (C ENGINE)									1			
	5142346	GOVERNOR ASSY., 4-53 (SG) (115V MOTOR) (D ENGINE)										1		
6C	**186624**	BOLT, 5/16"-18X1 1/4" (12.9001)	4	4	4									
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)				3		4	4		4	4	4	4
6C	**179824**	BOLT, 5/16"-18X1 3/4" (12.9001)					4			4				
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	3	4	4	4	4	4	4	4	4
		= THRU 2D-13293, 3D-3235, 4D-4456. NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASS Y. MARKED ?.												
		? EFFECTIVE WITH 2D-13294, 3D-3236, 4D-4457.												
		# COMPONENT PARTS FOR ISOCHRONOUS GOVERNOR ARE NOT SERVICED BY DDA.												
	2.8035	**- GASKET, GOVERNOR TO BLOWER**												
	5116336	GASKET, 2,3,4-53 (2.7010)	1	1	1	1	1	1	1	1	1	1	1	1
	2.8410	**- LEVER, GOVERNOR SPEED ADJUSTING FLOATING**												
	5127117	LEVER, 2,3,4-53 (THROTTLE CONTROL TERMINAL) (2.8450)				1								
	181314	BOLT, 1/4"-28X7/8" (12.9001)				1								
	2.8750	**- DRIVE ASSY., GOVERNOR**												
		INCLUDES ITEMS IN 2.8780 THRU 2.8850.												
6C	**5124465**	DRIVE ASSY., 2, 3, 4-53 (RC, RD, LC, LD ENGINE)	1			1	1	1	1	1	1	1	1	1
6C	**5124464**	DRIVE ASSY., 2,3,4-53 (RA,RB,LA,LB ENGINE)		1	1									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	9414285	BOLT, 3/8"-24X7/8" (2.7001)	3	3	3	3	3	3	3	3	3	3	3	3
	5152148	WASHER, 3/8", COPPER (2.4050)	3	3	3	3	3	3	3	3	3	3	3	3
	103341	WASHER, 3/8" (12.9190)						2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2		2							

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 492	497	555	556	695	822	871	883	973	974	998	1002
		2.8760 - GASKET, DRIVE TO GOVERNOR												
	3224773	GASKET, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
		2.8780 - HOUSING, GOVERNOR DRIVE												
		A HOUSING ASSY. INCLUDES ITEMS IN 2.8750.												
6B	**5124381**	HOUSING, 2,3,4-53 (RC,RD,LC,LD ENGINE)	1			1	1	1	1	1	1	1	1	1
6B	**5124380**	HOUSING, 2,3,4-53 (RA,RB,LA,LB ENGINE)		1	1									
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN												
		INCLUDES ITEMS IN 2.8795, 2.8800 AND BEARING IN 2.8810.												
6B	**5124459**	SHAFT ASSY., 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
		2.8795 - SHAFT, GOVERNOR DRIVEN												
6B	**3224084**	SHAFT, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT												
6B	**5119065**	SLEEVE, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
		2.8810 - BEARING, GOVERNOR DRIVEN SHAFT												
	954498	BEARING (N.D. 3202L1A)	1	1	1	1	1	1	1	1	1	1	1	1
	5169866	GASKET	2	2	2	2	2	2	2	2	2	2	2	2
	5169864	SCREW, 1/4"-20X1" SET	2	2	2	2	2	2	2	2	2	2	2	2
	274856	NUT, 1/4"-20 (12.9120)	2	2	2	2	2	2	2	2	2	2	2	2
		2.8815 - GEAR AND SHAFT ASSY., GOVERNOR DRIVE												
		INCLUDES ITEMS IN 2.8815 THRU 2.8830.												
	5124460	GEAR ASSY., 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
6B	**5124433**	GEAR, 2,3,4-53 (16 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8820 - SHAFT, GOVERNOR DRIVE												
6B	**5124434**	SHAFT, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
		2.8830 - BEARING, GOVERNOR DRIVE THRUST												
6B	**903303**	BEARING (N.D. 3303X1A) (1 7/8"O.D.)	1	1	1	1	1	1	1	1	1	1	1	1
6B	**907045**	BEARING (N.D. #3203L1A) (1 5/8"O.D.) (2.7470)	1	1	1	1	1	1	1	1	1	1	1	1

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 492	497	555	556	695	822	871	883	973	974	998	1002
	2.8840	**- SPACER, GOVERNOR DRIVE SHAFT BEARING**												
6B	**5122738**	SPACER (2.7475)	1	1	1	1	1	1	1	1	1	1	1	1
	2.8850	**- RETAINER, GOVERNOR DRIVE SHAFT BEARING**												
6B	**9416358**	RETAINER (5.6140)	1	1	1	1	1	1	1	1	1	1	1	1
	2.8855	**- GEAR, GOVERNOR DRIVE**												
5B	**5116025**	* GEAR, 2,3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
	5107076	+ GEAR, 3,4-53 RA, RB, LC, LD (RH HELIX; 56 TEETH) (2.7960)	1	1	1	1	1	1	1	1	1	1	1	1
5B	**5116026**	* GEAR, 2,3,4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
	5107077	+ GEAR, 3,4-53 RC, RD, LA, LB (LH HELIX; 56 TEETH) (2.7960)	1	1	1	1	1	1	1	1	1	1	1	
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1		
	9434177	NUT, 5/8"-18 LOCK (12.9140)	1	1	1	1	1	1	1	1	1	1	1	1
		* THRU 3D-170682 AND 4D-180938.												
		+ EFF. WITH 3D-170683 AND 4D-180939.												
	2.8910	**- TUBE, GOVERNOR OPERATING PRESSURE**												
6C	**5125397**	TUBE ASSY., 2,3,4-53 (RC,RD,LC,LD ENGINE)	1			1		1	1		1	1	1	1
6C	**5125398**	TUBE ASSY., 2,3,4-53 (RA,RB,LA,LB ENGINE)		1	1									
	5132216	* TUBE ASSY., 2,4-53 (BLOCK TO FILTER)					1			1				
	5132217	* TUBE ASSY., 2,4-53 (FILTER TO GOVERNOR) (2.8912)					1			1				
	8925609	CONNECTOR, 5/16" INV. FL. TUBE X 1/8" P.T. (12.9460)					1			1				
6C	**8925032**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1		1	1		1	1	1	1
	8925024	ELBOW, 1/4" INV. FL. TUBE 45 DEG. (12.9480)	1	1	1	1		1	1		1	1	1	1
	8924215	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)					2			2				
	8924153	ELBOW, 5/16" INV. FL. TUBE 90 DEG. X 1/8" P.T. (12.9480)					1			1				
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)					2			2				
		* OBSOLETE.												
	2.8940	**- LINK, INJECTOR CONTROL TUBE**												
		A LINK KIT INCLUDES LINK, END BEARING SPACER AND ATTACHING PARTS IN 2.8940.												
7A	**5124476**	LINK, 2,3,4-53 (A & C ENGINE)	1	1										
7A	**5124477**	LINK, 2,3,4-53 (B & D ENGINE)	1	1										
7A	**5139681**	# LINK, 2,3,4-53 (A ENGINE)			1									
7A	**5198817**	LINK, KIT 2,3,4-53 (A ENGINE)			1									
7A	**5139680**	# LINK, 2,3,4-53 (C ENGINE)				1		1	1		1			
7A	**5128413**	# LINK, 2,3,4-53 (D ENGINE)				1								

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 492	497	555	556	695	822	871	883	973	974	998	1002
		2.8940 - LINK, INJECTOR CONTROL TUBE (CONT'D)												
7A	**5198819**	LINK, KIT 2,3,4-53 (D ENGINE)				1								
7A	**5131800**	# LINK, 2-53 (RC ENGINE)					1			1				
7A	**5198818**	LINK, KIT 2-53 (RC ENGINE)					1			1				
	5140498	LINK, 4-53 (RD ENGINE)										1		
	5140497	LINK, 2,4-53 (RC ENGINE)											1	1
6C	**5118491**	JOINT, 1/4 -28 BALL (12.9680)	1	1	1	1	1	1	1	1	1			
	5120273	BEARING, ROD END (2.9730)										1	1	1
	5140751	SPACER, .50"X17/64"X.24"										1	1	1
7A	**5147345**	PIN (INJECTOR CONTROL TUBE LEVER) (2.9022)		1	1	1	1	1	1	1	1	1	1	1
7A	**103361**	PIN, 1/16"X1/2" COTTER (12.9250)	1	1	1	1	1	1	1	1	1	2	2	2
	181317	BOLT, 1/4"-28X1 1/4" (12.9001)										1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
6C	**114492**	LOCKNUT, 1/4"-28 (12.9120)	2	2	2	2	2	2	2	2	2	1	1	1
		# NOT SERVICED. FOR REPLACEMENT USE LINK KIT SHOWN IN SAME TYPE.												
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK												
4A	**5121252**	ADAPTOR, 2,3,4-53 (2.7830)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK												
6C	**5121385**	BOOT, 2,3,4-53 (2.7834)	1	1	1	1	1	1	1	1	1	1	1	1
		2.8955 - LINK, GOVERNOR OPERATING CONNECTING												
6C	**5124611**	SPRING, 2,3,4-53	1	1	1	1		1	1		1	1	1	1
6C	**5131998**	SPRING, 2-53					1			1				
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT												
6C	**5124501**	LEVER, 2,3,4-53 (EXTERNAL) (2.8450)	1	1										
6C	**5127117**	LEVER, 2,3,4-53 (EXTERNAL) (2.8450)			1	1	1	1	1	1	1	1	1	1
6C	**181314**	BOLT, 1/4"-28X7/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)											1	1
		2.8985 - FILTER ASSY., OIL-FULL FLOW												
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.												
	5119730	FILTER ASSY., 2,4-53 (4.2240)					1			1				
	181361	BOLT, 3/8"-24X7/8" (12.9001)					2			2				
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)					2			2				
	103341	WASHER, 3/8" (12.9190)					6			6				
	103321	LOCKWASHER, 3/8" (12.9200)					4			4				
	103026	NUT, 3/8"-24 (12.9120)					4			4				
		2.8986 - ELEMENT, OIL FILTER												
		INCLUDES GASKET IN 2.8987.												
	9023829	ELEMENT, 2,4-53 (4.2250)					1			1				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 492	497	555	556	695	822	871	883	973	974	998	1002
		2.8995 - BRACKET, OIL FILTER MOUNTING												
	5131619	BRACKET, 2,4-53 (FRONT)					1			1				
	5131620	BRACKET, 2,4-53 (REAR)					1			1				
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)					1			1				
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)					1			1				
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)					2			2				
	103320	LOCKWASHER, 5/16" (12.9200)					1			1				
	103321	LOCKWASHER, 3/8" (12.9200)					1			1				
	103323	LOCKWASHER, 1/2" (12.9200)					2			2				
	114493	LOCKNUT, 5/16"-24 (2.7170)					1			1				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1004	1033	1045	1077	1149	1165	17533	17588	19600
		2.8030 - GOVERNOR ASSY.									
		(DOES NOT INCLUDE DRIVE ASSY. IN 2.8750.) SEE ASSEMBLY BREAKDOWN PAGE A1.									
	NPN	GOVERNOR ASSY., 4-53 (CUSTOMER FURNISHED)				1					
6C	5108291	* GOVERNOR ASSY., 2,3,4-53 (SG) (C & D ENGINES)	1								1
	5143957	GOVERNOR ASSY., 6V53 (SG) (A ENGINE)		1			1				
	5143979	# GOVERNOR ASSY., 6V53(PSG) (C ENGINE)			1						
	5146121	GOVERNOR ASSY., 2-53 (SG) (C ENGINE)						1			
	5143657	GOVERNOR ASSY., 4-53 (SG)							1		
	5136998	GOVERNOR ASSY., 4-53 (SG) (C ENGINE)								1	
	180082	BOLT, 5/16"-18X1 3/8" (12.9001)		1			1				
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	4	3			3	4	4	4	4
6C	179824	BOLT, 5/16"-18X1 3/4" (12.9001)			4				4		
	446202	WASHER, 5/16" COPPER (12.9190)		1			1				
	103320	LOCKWASHER, 5/16" (12.9200)	4	3	4		3	4	4	4	4
		* EFFECTIVE WITH 2D-13294, 3D-3236, 4D-4457.									
		# COMPONENT PARTS FOR ISOCHRONOUS GOVERNOR ARE NOT SERVICED BY DDA.									
		2.8035 - GASKET, GOVERNOR TO BLOWER									
	5116336	GASKET, 2,3,4-53 (2.7010)	1		1	1		1	1	1	1
	5138173	GASKET, 6V53		1							
		2.8189 - BLOCK, GOVERNOR MOTOR TERMINAL									
	5130186	BLOCK							1		
	5130177	COVER							1		
	57304	SLEEVE, 7/64"							3		
	5281960	TERMINAL (7.4206)							3		
	5142450	TUBING (TRANSPARENT)							1		
	100757	SCREW, #8-32X1 1/4" (12.9025)							4		
	106494	LOCKWASHER, #8 (12.9200)							8		
	5114551	TAG, CABLE (7.4545)							1		
	103092	NUT, #8-32 (12.9120)							8		
		2.8750 - DRIVE ASSY., GOVERNOR									
		INCLUDES ITEMS IN 2.8780 THRU 2.8850.									
6C	5124465	DRIVE ASSY., 2,3,4-53 (RC,RD,LC,LD ENGINE)	1		1	1		1	1	1	1
	5142866	DRIVE ASSY., 6V53		1			1				
	5138160	* COVER ASSY., 6V53		1							
	5138172	GASKET, 6V53		1			1				
	426372	+ SCREW, 3/8"-16X2 3/4" (2.8750)					2				
	179816	BOLT, 5/16"-18X3/4" (12.9001)		5							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2		2	2		2	1	2	2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)					4				
	9414285	BOLT, 3/8"-24X7/8" (2.7001)	3		3	3		3	3	3	3
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							1		
	5152148	WASHER, 3/8", COPPER (2.4050)	3		3	3		3	3	3	3
	103341	WASHER, 3/8" (12.9190)	2		2	2		2		2	2

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1004	1033	1045	1077	1149	1165	1753	1758	1960
		2.8750 - DRIVE ASSY., GOVERNOR (CONT'D)									
	103320	LOCKWASHER, 5/16" (12.9200)		5							
	103321	LOCKWASHER, 3/8" (12.9200)					4		2		
		* NOT SERVICED, USE 5142207.									
		+ OBSOLETE.									
		2.8760 - GASKET, DRIVE TO GOVERNOR									
	3224773	GASKET, 2,3,4,6V53	1	1	1	1	1	1	1	1	1
	5138173	GASKET, 6V53 (2.8035)					1				
		2.8780 - HOUSING, GOVERNOR DRIVE									
		A HOUSING ASSY. INCLUDES ITEMS IN 2.8750.									
6B	5124381	HOUSING, 2,3,4-53 (RC,RD,LC,LD ENGINE)	1						1	1	1
6B	5142207	HOUSING, 6V53					1				
	5138392	+ HOUSING ASSY., 6V53		1							
	5116071	PIN, DOWEL (2.7230)		1							
	5150942	PIN, DOWEL (2.7230)		2			2				
	5143339	TUBE, 6V53 (CONTROL LINK)		1							
	426372	+ SCREW, 3/8"-16X2 3/4" (SEC. HD.) (2.8750)		2							
	179816	BOLT, 5/16"-18X3/4" (12.9001)					5				
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		4							
	103320	LOCKWASHER, 5/16" (12.9200)					5				
	103321	LOCKWASHER, 3/8" (12.9200)		AR							
		* OBSOLETE.									
		2.8790 - SHAFT ASSY., GOVERNOR DRIVEN									
		INCLUDES ITEMS IN 2.8795, 2.8800 AND BEARING IN 2.8810.									
6B	5124459	SHAFT ASSY., 2,3,4-53	1						1	1	1
	5138391	* SHAFT ASSY., 6V53		1							
	5138390	+ GEAR ASSY., 6V53 (INTERMEDIATE)		1							
	5142742	# GEAR ASSY., 6V53 (INTERMEDIATE)					1				
	5142500	GEAR ASSY., 6V53					1				
	274900	RING, RETAINING (2.8795)		1			1				
	9423799	RING, RETAINING		1			1				
		# CONTAINS NO SLEEVE IN 2.8800.									
		* NOT SERVICED, USE 5142500.									
		+ NOT SERVICED, USE 5142742.									
		2.8795 - SHAFT, GOVERNOR DRIVEN									
6B	3224084	SHAFT, 2,3,4-53	1						1	1	1
6B	5142690	& SHAFT, 6V53					1				
	274900	RING, RETAINING		1							
		& NOT SERVICED SEPARATELY; SHOWN FOR REFERENCE ONLY.									
		2.8800 - SLEEVE, GOVERNOR DRIVEN SHAFT									
6B	5119065	SLEEVE	1	1			1		1	1	1

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2.8000A HYDRAULIC GOVERNOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1004	1033	1045	1077	1149	1165	1753	1758	1960
		2.8805 - GEAR, GOVERNOR DRIVEN SHAFT									
	5138117	GEAR, 6V53 (DRIVEN)		1			1				
	5138088	GEAR, 6V53 (DRIVE)		1			1				
		2.8810 - BEARING, GOVERNOR DRIVEN SHAFT									
	954498	BEARING, 2,3,4,6V53 (N.D. 3202L1A)	1	1			1		1	1	1
	903201	BEARING, 6V53 (N.D. 3201XR1A)		1			1				
	907674	BEARING, 6V53 (N.D. 3301L1214A)		1			1				
	903203	BEARING, 3,4-53									1
	5169866	GASKET, 2,3,4-53	2						2	2	2
	5169864	SCREW, 1/4"-20X1" SET	2						2	2	2
	274856	NUT, 1/4"-20 (12.9120)	2						2	2	2
		2.8811 - SHAFT ASSY., CONTROL LINK OPERATING									
		A SHAFT ASSY. INCLUDES PINS AND KEY IN 2.8811.									
	5138085	+ SHAFT ASSY., 6V53		1							
	5142743	SHAFT ASSY., 6V53 (2.8813)					1				
	274694	RING, RETAINING		1			1				
	5150894	PIN, LINK (2.7315)		2			2				
	5182977	RING, SEAL (3.3055)		1			1				
	8928537	KEY, 3/32"X1/2" WOODRUFF (12.9350)		1			1				
	5197150	WASHER, 17/32"X25/64"X.0329" (2.7145)		1			1				
	5178582	WASHER, 25/64"X.88" O.D. SPECIAL (1.7605)		1			1				
		+ NOT SERVICED, FOR SERVICE USE 5142743 SHAFT ASSY.									
		2.8815 - GEAR AND SHAFT ASSY., GOVERNOR DRIVE									
		INCLUDES ITEMS IN 2.8815 THRU 2.8830.									
	5124460	GEAR ASSY., 2,3,4-53	1						1	1	1
	5138389	+ GEAR ASSY., 6V53		1							
	5142865	GEAR ASSY., 6V53					1				
6B	5124433	GEAR, 2,3,4-53 (16 TEETH)	1						1	1	1
	5138116	GEAR, 6V53		1			1				
	5138119	SHAFT, 6V53		1			1				
		+ NOT SERVICED, FOR SERVICE USE 5142865.									
		2.8820 - SHAFT, GOVERNOR DRIVE									
6B	5124434	SHAFT, 2,3,4-53	1						1	1	1
	5142860	SHAFT, 6V53		1			1				
		2.8830 - BEARING, GOVERNOR DRIVE THRUST									
6B	903303	BEARING, 2,3,4-53 (N.D. 3303X1A) (1 7/8"O.D.)	1						1	1	1
6B	907045	BEARING, 2,3,4-53 (N.D. #3203L1A) (1 5/8"O.D.) (2.7470)	1								

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1004	1003	1045	1077	1149	1165	1753	1758	1960
		2.8830 - BEARING, GOVERNOR DRIVE THRUST (CONT'D)									
	954498	BEARING, 6V53 (N.D. 3202L1A) (2.8810)		1			1				
	5138121	CARRIER, 6V53		1			1				
	274900	RING, RETAINING (2.8795)					1				
	138222	BOLT, 5/16"-18X1" (12.9027)		2			2				
	103320	LOCKWASHER, 5/16" (12.9200)		2			2				
		2.8840 - SPACER, GOVERNOR DRIVE SHAFT BEARING									
6B	**5122738**	SPACER (2.7475)	1						1	1	1
		2.8850 - RETAINER, GOVERNOR DRIVE SHAFT BEARING									
6B	**9416358**	RETAINER (5.6140)	1						1	1	1
		2.8855 - GEAR, GOVERNOR DRIVE									
5B	**5116025**	* GEAR, 2,3,4-53 RA, RB, LC, LD (R.H. HELIX; 49 TEETH) (2.7960)	1						1		1
5B	**5116026**	* GEAR, 2,3,4-53 RC, RD, LA, LB (L.H. HELIX; 49 TEETH) (2.7960)	1						1		1
	5107076	+ GEAR, 3,4-53 RA, RB, LC, LD (R.H. HELIX; 56 TEETH) (2.7960)	1						1	1	1
	5107077	+ GEAR, 3,4-53 RC, RD, LA, LB (L.H. HELIX; 56 TEETH) (2.7960)	1						1	1	1
	8924991	@ GEAR, 3-53 (L.H. HELIX-56 TEETH; STAMPED 8924991)								1	
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1		1	1		1	1		1
	9434177	NUT, 5/8"-18 LOCK (12.9140)	1		1	1		1	1	1	1
		* THRU 3D-170682 AND 4D-180938. + EFF. WITH 3D-170683 AND 4D-180939. @ EFF. WITH 3D-193526 FOR TURBO APPLICATIONS ONLY.									
		2.8905 - RESERVOIR ASSY., GOVERNOR OIL									
	5574785	RESERVOIR ASSY.							1		
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)							2		
	103341	WASHER, 3/8" (12.9190)							2		
	103321	LOCKWASHER, 3/8" (12.9200)							2		
	103026	NUT, 3/8"-24 (12.9120)							2		
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE									
6C	**5125397**	TUBE ASSY., 2,3,4-53 (RC,RD,LC,LD ENGINE)	1					1		1	1
	5143566	+ TUBE ASSY., 6,8V53 (OIL SUPPLY)		1			1				
	5140491	TUBE ASSY.,4-53 (FILTER TO GOVERNOR)			1						
	5142705	TUBE ASSY., 4-53 (GOVERNOR FILTER OVERFLOW) (12.8912)			1						
	5143934	TUBE ASSY., 4-53 (OIL SUPPLY TO RESVR)							1		

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2.8000A HYDRAULIC GOVERNOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 1004	1033	1045	1077	1149	1165	1753	1758	1960
		2.8910 - TUBE, GOVERNOR OPERATING PRESSURE (CONT'D)									
	5143932	TUBE ASSY., 4-53 (RESV TO GOV)							1		
	5142035	TUBE ASSY., 4-53 (OIL RESV. SUC.)							1		
	5143757	+ TUBE ASSY., 4-53 (RESERVOIR OVERFLOW)							1		
	5137957	HOSE ASSY., 4-53 (FRONT COVER)			1				1		
	5137958	HOSE ASSY., 4-53 (2.5149)									
	5126307	CONNECTOR, 5/16"X1/4" INV. FL. 4-53 TUBE (7.4596)			1						
	9432266	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1							
	8924169	CONNECTOR, 1/2"X3/8" (12.9460)			1						
	8925049	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)			2						
	8924171	CONNECTOR, 3/8" TUBE (12.9460)							1		
6C	8925032	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	1					1		1	1
	8925024	ELBOW, 1/4" INV. FL. TUBE 45 DEG. (12.9480)	1					1		1	1
	8924160	ELBOW, 5/16" TUBE (12.9480)			1						
	8924216	ELBOW, 3/8" INV. FL. TUBE (12.9480)		1			2				
	137425	ELBOW, 1/2" INV. FL. TUBE (12.9480)			1				1		
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)							2		
	8924184	ELBOW, 5/16" SPL., .055 RESTR (2.5210)							1		
	9432337	ELBOW, 5/16", 90 DEG (12.9480)							1		
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)			2				1		
	8924158	BUSHING, 1/2"X3/8" (12.9570)			2						
	5131190	CLIP, 3/8" (2.5120)		1			1				
	5182629	CLIP, 5/16" (12.4080)			1						
	5100136	ADAPTOR, 1/8" PIPE (12.9570)					1				
		+ OBSOLETE.									
		2.8920 - BRACKET, GOVERNOR									
	5130190	BRACKET							1		
		2.8940 - LINK, INJECTOR CONTROL TUBE									
		A LINK KIT INCLUDES LINK, END BEARING SPACER AND ATTACHING PARTS IN 2.8940.									
	5140498	LINK, 4-53 (RD ENGINE)	1							1	
	5140497	LINK, 2,4-53 (RC ENGINE)						1	1		1
	5121472	LINK, 6V53 (2.7819)		1			2				
7A	5140515	LINK, 4-53			1						
	5134808	LINK, 6V53 (R.H., UPPER) (2.9022)		1			1				
	5134803	LINK, 6V53 (L.H., UPPER) (2.9022)		1			1				
	5120273	BEARING, ROD END 2,4-53 (2.9730)	1		1			1	1	1	1
	142583	RETAINER, 13/64" SPRING (12.9640)		2			2				
	5140751	SPACER, .50"X17/64"X.24"	1		1			1		1	1
	103361	PIN, 1/16"X1/2" COTTER (12.9250)	2		2			2	2	1	1
	5147345	PIN (INJECTOR CONTROL TUBE LEVER) (2.9022)	1		1			1	1	1	1
	181317	BOLT, 1/4"-28X1 1/4" (12.9001)	1		1			1		1	1
	100002	BOLT, 1/4"-28X1" (12.9001)							1		
	5197150	WASHER, 17/32"X2 5/64" (2.7145)	2				2				
	103319	LOCKWASHER, 1/4" (12.9200)	1		1			1	1	1	1
	114492	LOCKNUT, 1/4"-28 (12.9120)	1		1			1	1	1	1
	454750	NUT, 1/4"-28 (12.9120)		2			2				

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1004	1033	1045	1077	1149	1165	1753	1758	1960
		2.8945 - ADAPTOR, CYLINDER HEAD GOVERNOR CONTROL LINK									
4A	5121252	ADAPTOR, 2,3,4-53 (2.7830)	1		1	1		1	1	1	1
	5136958	+ ADAPTOR, 8V53 (2.7830)		1							
4A	5138194	+ TUBE, 8V53		1							
	5139538	+ TUBE, 6V53					1				
		+ OBSOLETE.									
		2.8950 - BOOT, INJECTOR CONTROL TUBE LINK									
6C	5121385	BOOT, 2,3,4-53 (2.7834)	1		1	1	1	1	1	1	1
6C	5126072	HOUSING, 6,8V53 (2.7834)		1			1				
	5129705	HOSE, 3/4" L. 6V53 (2.7834)		2			2				
	5129707	# HOSE, 1 1/4"L. 6V53(2.7834)(5199773)		2			2				
	5186840	CLAMP, 1 3/16" (12.9660)		6			4				
		# NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO SUIT.									
		2.8955 - LINK, GOVERNOR OPERATING CONNECTING									
6C	5124611	SPRING, 2,3,4-53	1						1	1	
		2.8965 - BELL CRANK ASSY., GOVERNOR OPERATING									
	5127422	LEVER, 6V53 (CONTROL LINK SHAFT)		1			1				
	8928537	KEY, 3/32"X1/2" WOODRUFF (12.9350)					1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)		2			2				
	103319	LOCKWASHER, 1/4" (12.9200)		2			2				
		2.8970 - LINK, GOVERNOR OPERATING LEVER TO BELL CRANK									
	5134809	LINK, 6V53		1			1				
	5120472	BEARING, ROD END (2.9022)		2			2				
	186629	BOLT, 5/16"-18X1" (12.9001)		2			2				
	103320	LOCKWASHER, 5/16" (12.9200)		2			2				
	114493	LOCKNUT, 5/16"-24 (JAM) (2.7170)		2			2				
		2.8975 - LEVER, GOVERNOR OPERATING SHAFT									
6C	5127117	LEVER, 2,3,4-53 (EXTERNAL)(2.8450)	1		1			1	1	1	1
	5173874	LEVER, 6V53		1			1				
	5175081	LEVER, 6V53 (2.9410)		1			1				
6C	181314	BOLT, 1/4"-28X7/8" (12.9001)	1		1			1		1	1
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)		1			1				
	100002	BOLT, 1/4"-28X1" (12.9001)							1		
	103319	LOCKWASHER, 1/4" (12.9200)	1	1			1	1	1	1	1
		2.8985 - FILTER ASSY., OIL-FULL FLOW									
		INCLUDES ELEMENT IN 2.8986 AND GASKET IN 2.8987.									
	5138900	FILTER ASSY., 4-53			1						
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)			4						

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2.8000A HYDRAULIC GOVERNOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 1004	1033	1045	1077	1149	1165	1753	1758	1960
	2.8985 - FILTER ASSY., OIL-FULL FLOW (CONT'D)									
103341	WASHER, 3/8" (12.9190)			4						
103321	LOCKWASHER, 3/8" (12.9200)			4						
103026	NUT, 3/8"-24 (12.9120)			4						
	2.8986 - ELEMENT, OIL FILTER									
9023829	ELEMENT, 2, 4-53 (4.2250)							1		
	2.8995 - BRACKET, OIL FILTER MOUNTING									
5141299	BRACKET, 4-53			1				1		
179839	BOLT,3/8"-16X1" (12.9001)			2				2		
103321	LOCKWASHER, 3/8" (12.9200)			2				2		

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8030 - GOVERNOR ASSY.														
	5108290	GOVERNOR ASSY., 2,3,4-53	1													
	5108291	GOVERNOR ASSY., 2,3,4-53		1												
6C	**5124620**	* GOVERNOR ASSY., 2,3,4-53			1											
6C	**5124621**	* GOVERNOR ASSY., 4-53				1										
	5136998	GOVERNOR ASSY., 4-53					1									
	5138071	GOVERNOR ASSY., 4-53						1								
	5141046	GOVERNOR ASSY., 4-53							1							
	5143957	GOVERNOR ASSY., 6V53								1						
	5146121	GOVERNOR ASSY., 2-53									1					
	5142346	GOVERNOR ASSY., 4-53										1				
	5143657	GOVERNOR ASSY., 4-53											1			
		* NOT SERVICED, COMPONENTS ARE AVAILABLE.														
		2.8040 - COVER, GOVERNOR														
	5199864	COVER, 2,3,4-53	1	1			1		1							
6A	**5196874**	COVER, 2,3,4-53			1	1				1						
	5197007	COVER, 6V53										1				
	5198266	COVER											1			
	5199833	COVER, 4-53											1			
	5195385	COVER, 4-53														
6A	**5197608**	SCREW, #10-32X1" FIL. HD. (WITH LOCKWASHER) (12.9010)	3	3	3	3	3		3			3				
6A	**5197607**	SCREW, #10-32X1 3/8" FIL. HD. (WITH L/W) (12.9010)								3	3		1			
	5195390	SCREW, #6-32X1/4"											4			
	5195389	SCREW, #10-32X7/8" (12.9010)											1			
	5198168	DISC		1												
	147121	BOLT, #10-32X1 1/2" (12.9027)			1	1										
6A	**123298**	BOLT, 1/4"-20X3/8" (12.9001)			1	1			1		1					
6A	**5194069**	WASHER, 1/4" COPPER (2.8050)										5	4			
	5194070	WASHER, #10 COPPER (2.8520)											1			
	5195388	WASHER, SPRING											1			
	5198169	WASHER (FRICTION DISC)														
		2.8045 - GASKET, GOVERNOR COVER														
6A	**3249110**	GASKET, 2,3,4,6V53 (2.8260)	1	1	1	1	1		1	1	1	1	2			
		2.8050 - SUB-CAP ASSY., GOVERNOR														
	5197087	SUB-CAP								1	1		1			
	132133	BOLT, #10-32X1" FIL. HD. (12.9010)								2	2					
	5194069	WASHER, 1/4" COPPER									1		1			
	120217	LOCKWASHER, #10 (12.9200)								2	2					
		2.8070 - ROD, GOVERNOR FUEL														
	5193028	ROD, 2,6V53								1	1		1			
		2.8085 - COVER, GOVERNOR FUEL ROD SPRING														
	5193030	COVER, 2,6V53								1	1		1			
	187828	SCREW, #10-32X1/2" HEX. SKT. HD. (12.9027)								2	2					
	120217	LOCKWASHER, #10 (12.9200)								2	2		2			

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2.8000A HYDRAULIC GOVERNOR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8086 - GASKET, GOVERNOR FUEL ROD SPRING COVER														
	5193033	GASKET, 2,6V53								1	1		1			
		2.8120 - *SPRING, GOVERNOR FUEL ROD SHORT*														
	5197125	SPRING, 6V53								1						
	5197124	SPRING, 2-53									1		1			
		2.8140 - RETAINER, GOVERNOR FUEL ROD SPRING														
	5197290	SEAT, 2,6V53 (.720" DIA.)								1	1		1			
		2.8165 - PLUG, GOVERNOR SUB-CAP														
	5193031	PLUG (2.8050)								1	1		1			
		2.8180 - SCREW, GOVERNOR LOAD LIMIT														
	5197259	SCREW, 1/4"-28X2 3/4"								1	1		1			
	192484	SCREW, 1/4"-28X1 1/4" FIL. HD. (12.9010)	1	1			1		1							
	120216	*BOLT, #10-32X1/2" (12.9010)*											2			
	114492	LOCKNUT, 1/4"-28 HEX. THIN (12.9120)	1	1			1		1	1						
	5194495	NUT, 1/4"-28 ELASTIC STOP									1					
	454750	NUT, 1/4"-28 CAD. (12.9120)											1			
		2.8182 - MOTOR ASSY., GOVERNOR SYCHRONIZING														
	5195384	MOTOR ASSY., (115 V)									1					
	5199865	MOTOR ASSY. (24V)											1			
	5199832	BRACKET (MOTOR MT.)											1			
		2.8190 - HOUSING ASSY., GOVERNOR														
		A HOUSING ASSY. INCLUDES ITEMS IN 2.8480 AND 2.8740.														
	5197008	HOUSING ASSY., 6V53								1		1	1			
6A	**5197074**	* HOUSING ASSY., 2,3,4-53	1													
6A	**5197105**	* HOUSING ASSY., 2,3,4-53		1			1		1		1					
6A	**5103025**	HOUSING ASSY., 2,3,4-53			1	1										
	8924749	PLUG, 1/8" PIPE SOC. HD. (12.9550)	1	1	1	1	1		1	1						
	8924380	PLUG, 1/8" PIPE SOC. HD. (12.9550)									1	1	1			
		* ALSO INCLUDES BUSHINGS IN 2.8364 AND 2.8483.														
		2.8200 - PLUG, GOVERNOR HOUSING DUMMY HOLE														
6A	**5197052**	PLUG	1	1			1		1	1	1	1	1			
6A	**3292039**	PLUG			1	1										

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8210 - GASKET, GOVERNOR HOUSING DUMMY HOLE PLUG														
	5197066	GASKET, 2,3,4,6V53	1	1			1		1	1	1	1	1			
	5156768	GASKET, 2,3,4-53 (4.4170)			1	1										
		2.8280 - SHAFT, GOVERNOR SPEED ADJUSTING														
	5197103	SHAFT										1	1			
6A	**5197091**	SHAFT, 6V53								1						
6A	**5197080**	SHAFT, 2,3,4-53	1	1			1		1		1					
6A	**5196873**	SHAFT, 2,3,4-53			1	1										
	5197846	PIN, (12.9275)	1	1			1		1	1	1	1	1			
6A	**107762**	PIN, 3/32"X5/8" COTTER (12.9250)			1	1										
		2.8350 - SEAL, GOVERNOR SPEED ADJUSTING SHAFT OIL														
6A	**5197065**	SEAL	1	1			1		1	1	1	3	1			
6A	**3249111**	SEAL			2	2										
		2.8355 - SPRING, SPEED ADJUSTING SHAFT TORSION														
6A	**5195399**	SPRING, 2,3,4-53			1	1										
6A	**5197064**	SPRING, 4-53										1	1			
		2.8360 - SLEEVE, GOVERNOR SPEED ADJUSTING SHAFT														
6A	**3304158**	SLEEVE ASSY., 2,3,4-53 (INCLUDES BUSHING IN 2.8364)			1	1										
		2.8363 - GASKET, GOVERNOR SPEED ADJUSTING SHAFT														
6A	**5156768**	GASKET, 2,3,4-53 (4.4170)			1	1										
		2.8364 - BUSHING, GOVERNOR SPEED ADJUSTING SHAFT SLEEVE														
	5197059	BUSHING, 2,3,4,6V53 (1 7/8"L.)	1	1			1		1	2	1	2	2			
	5197078	BUSHING, 2,3,4-53 (1 1/2"L.)	1	1			1		1		1					
	3304052	BUSHING, 2,3,4-53 (3/4"L.)			2	2										
	5197060	PLUG, CUP (2.8485)	1	1			1		1	1	1		2			
		2.8365 - CAP, GOVERNOR SPEED ADJUSTING SHAFT SPACER														
6A	**3249149**	CAP, 2,3,4-53			1	1										
		2.8367 - GASKET, GOVERNOR SPEED ADJUSTING SHAFT SPACER CAP														
6A	**5156768**	GASKET, 2,3,4-53 (4.4170)			1	1										

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2.8000A HYDRAULIC GOVERNOR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8410 - LEVER, GOVERNOR SPEED ADJUSTING FLOATING														
6A	**5197013**	LEVER, 2,3,4,6V53	1	1			1		1	1	1	1	1			
6A	**3292623**	LEVER, 2,3,4-53			1	1										
6A	**5199196**	STOP, 2,3,4-53	1	1	1	1	1		1							
6A	**5194069**	WASHER, 1/4" COPPER (2.8050)	1	1	1	1	1		1	1						
6A	**5194495**	NUT, 1/4"-28 STOP	1		1	1	1		1							
6A	**5197006**	STOP, 6V53								1						
6A	**5194790**	STOP, 2-53									1					
	454750	NUT, 1/4"-28 (NYLON INSERT) (12.9120)		1							1					
		2.8420 - LEVER, GOVERNOR SPEED ADJUSTING														
6A	**5197015**	LEVER, 2,3,4,6V53	1	1			1		1	1	1	1	1			
6A	**5193206**	LEVER, 2,3,4-53			1	1										
	5197016	CLIP, SPRING	1	1			1		1	1	2	1	1			
6A	**3249137**	PIN, PIVOT			2	2										
		2.8435 - FORK, GOVERNOR SPEED ADJUSTING LINKAGE SPRING														
6A	**5197014**	FORK, 2,3,4,6V53	1	1			1		1	1	1	1	1			
6A	**3249145**	FORK, 2,3,4-53			1	1										
6A	**3249154**	LOCKWIRE			1	1										
		2.8440 - BRACKET, GOVERNOR SPEED ADJUSTING LEVER														
	5197046	BRACKET, DROOP 2,3,4,6V53 (INCLUDES PIN, NOT SOLD SEPARATELY)	1	1			1		1	1	1	1	1			
6A	**5196829**	BRACKET, DROOP 2,3,4-53 (INCLUDES PIN, NOT SOLD SEPARATELY)			1	1										
6A	**132105**	SCREW, #10-32X3/8" FIL. HD. (12.9010)	1				1		1			1	1			
6A	**120216**	SCREW, #10-32X1/2" FIL. HD. (12.9010)		1						1						
6A	**5193082**	SCREW, 1/4"-28X1/2" SLTD. HD.			1	1										
	132133	SCREW, #10-32X1" FIL. HD. (12.9010)											2			
	5195391	SCREW											1			
6A	**446142**	WASHER, #10 (12.9190)	1	1			1		1	1	1	1	1			
6A	**120392**	WASHER, 1/4" (12.9190)			1	1										
	115545	LOCKWASHER, #10 INT. TOOTH (12.9220)			1	1			1	1						
6A	**120217**	LOCKWASHER, #10 (12.9200)										1	2			
		2.8450 - LEVER, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	**5197047**	LEVER, 2-53									1		1			
	5197083	LEVER ASSY., 4-53		1					1			1				
6A	**5193079**	+ LEVER, 2,3,4-53			1	1										
	5198332	+ PLATE, LEVER SUPPORT 2,3,4-53	1				1		1							
6A	**103373**	PIN, 3/32"X3/4" COTTER (12.9250)		2							2	2	2			
6A	**137171**	PIN, 3/32"X1" COTTER (12.9250)	2		2	2	2		2	2						
	5197288	PIN								1	1		1			

+ OBSOLETE.

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8470 - SHAFT, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	**5197045**	SHAFT, 2,3,4,6V53 (1 11/32" L.)	1	1			1		1	1	1	1	1			
6A	**5197084**	SHAFT, 2,3,4,6V53 (2 3/8" L.)	1	1			1		1	1	1	1	1			
6A	**3249157**	SHAFT, 2,3,4-53 (1 19/32" L.)			1	1										
6A	**5199694**	SHAFT, 2,3,4-53 (2 13/16" L.)			1	1										
		2.8472 - SEAL, GOVERNOR SPEED ADJUSTING TERMINAL SHAFT OIL														
6A	**5197065**	SEAL, 2,3,4,6V53 (2.8350)	1	1			1		1	1	1		1			
6A	**3249111**	SEAL, 2,3,4-53 (2.8350)			2	2										
		2.8480 - SLEEVE, GOVERNOR SPEED ADJUSTING TERMINAL														
6A	**3304152**	SLEEVE ASSY., 2,3,4-53 (INCLUDES BUSHING IN 2.8483)			2	2										
		2.8483 - BUSHING, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE														
	5197058	BUSHING, 2,3,4,6V53	2	2			2		2	2	2	2	2			
	3304052	BUSHING, 2,3,4-53 (2.8364)			2	2										
		2.8485 - PLUG, GOVERNOR SPEED ADJUSTING TERMINAL SLEEVE														
6A	**5197060**	PLUG, 2,3,4,6V53 (CUP)	1	1			1		1	1	1	3				
6A	**3249167**	PLUG, 2,3,4-53 (CUP)			1	1										
		2.8510 - PISTON, GOVERNOR SERVO-MOTOR														
6A	**5197019**	PISTON, 2,3,4,6V53	1	1			1		1	1	1	1	1			
6A	**3291732**	PISTON, 2,3,4-53			1	1										
	5197062	PIN, PISTON 2 1/4"L.	1	1			1		1	1	1	1	1			
		2.8520 - SCREW, GOVERNOR HI-SPEED STOP														
6A	**3304053**	SCREW, #10-32X1 1/4"	1		1	1	1		1	1						
	147121	SCREW, #10-32X1 1/2" (12.9027)		1									1			
	5194070	WASHER, #10 COPPER	1	1			1		1	1	1	1	1			
6A	**120614**	NUT, #10-32 (12.9120)	1	1	1	1	1		1	1	1	1	1			
		2.8530 - SPRING, GOVERNOR SPEEDER														
6A	**5194255**	SPRING, 2,3,4,6V53 (ETCHED "G")	1	1	1	1			1	1	1	1	1			
6A	**5198398**	SPRING, 4-53 (ETCHED "L")					1									
		2.8560 - BALL HEAD ASSY., GOVERNOR														
		SOLD ONLY AS AN ASSY.														
6A	**5197011**	BALL HEAD ASSY., 2,3,4,6V53 (FOUR PORT)	1	1	1	1				1		1	1			
6A	**5197070**	BALL HEAD ASSY., 4-53 (SINGLE PORT)							1							
6A	**5199691**	BALL HEAD ASSY., 2-53 (SINGLE PORT)									1					

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2.8000A HYDRAULIC GOVERNOR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2.8560 - BALL HEAD ASSY., GOVERNOR (CONT'D)														
6A **5198397**	BALL HEAD ASSY., 4-53 (SINGLE PORT)					1									
	2.8600 - PLUNGER ASSY., GOVERNOR PILOT VALVE														
6A **5197010**	PLUNGER	1	1	1	1	1		1	1	1	1	1			
	2.8610 - BEARING, GOVERNOR PILOT VALVE PLUNGER THRUST														
6A **5157328**	BEARING	1	1	1	1	1		1	1	1	1	1			
	2.8620 - COLLAR, GOVERNOR DRIVE SHAFT														
5192787	RING, RETAINING 2,3,4&6V53	1	1	1	1	1		1	1	1	1	1			
	2.8630 - VALVE ASSY., GOVERNOR RELIEF														
	A VALVE ASSY. INCLUDES VALVE BODY SLEEVE AND ITEMS IN 2.8635; BODY SLEEVE IS NOT SOLD SEPARATELY. A PLUNGER KIT CONSISTS OF A PLUNGER AND SLEEVE ASSEMBLY.														
A **5195179**	VALVE ASSY.			1	1										
5198627	PLUNGER KIT	1	1			1		1	1	1	1	1			
	2.8635 - VALVE KIT, GOVERNOR RELIEF														
	A VALVE KIT INCLUDES PLUNGER, STOP SLEEVE, SPRING AND PIN; COMPONENTS ARE NOT SOLD SEPARATELY.														
5192300	VALVE KIT			1	1										
	2.8640 - GASKET, GOVERNOR RELIEF VALVE														
6A **5197066**	GASKET (2.8210)	1	1			1		1	1	1	1	1			
6A **5156768**	GASKET (4.4170)			1	1										
	2.8680 - SPRING, GOVERNOR RELIEF VALVE														
5197090	SPRING (INNER)								1						
5197068	SPRING (INNER)	1	1			1		1		1	1	1			
5197067	SPRING (OUTER)	1	1			1		1	1	1	1	1			
	2.8685 - PLUG, GOVERNOR RELIEF VALVE														
5197056	PLUG, 11/16"-16	1	1			1		1	1	1	1	1			

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2.8000A HYDRAULIC GOVERNOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.8690 - BASE KIT, GOVERNOR														
6A	**5192760**	BASE	1	1	1	1	1		1	1	1	1	1			
	5197847	PIN, #2X5/8" TAPER DOWEL	2	2	2	2	2		2	2	2	2	2			
6A	**132188**	SCREW, #12-24X1/2" FIL.HD. (12.9010)	3	3	3	3	3		3	3	3	3	3			
		2.8700 - RING, GOVERNOR OIL PUMP HOUSING SEAL														
6A	**3307753**	RING	1	1	1	1	1		1	1	1	1	1			
		2.8720 - GEAR, GOVERNOR OIL PUMP DRIVE														
6A	**3249119**	GEAR	1	1	1	1	1		1	1	1	1	1			
		2.8730 - GEAR, GOVERNOR OIL PUMP DRIVEN														
6A	**3249118**	GEAR, 2,3,4&6V53 (INCLUDES BUSHING, NOT SOLD SEPARATELY)	1	1	1	1	1		1	1	1	1	1			
		2.8740 - STUD, GOVERNOR OIL PUMP DRIVEN GEAR TO BASE														
	3249147	STUD	1	1	1	1	1		1	1	1	1	1			

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2.9000 INJECTOR CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 88	89	90	91	94	99	100	101	102	103	108	109
		2.9001 - TUBE ASSY., INJECTOR CONTROL												
		A TUBE ASSY. INCLUDES ONE (1) BRACKET IN 2.9003 AND ITEMS IN 2.9007 THRU 2.9010.												
7A	**5195967**	TUBE ASSY., 2-53 C ENGINE	1									1		
7A	**5195968**	TUBE ASSY., 3-53 C ENGINE		1										
7A	**5195975**	TUBE ASSY., 4-53 A ENGINE			1									
7A	**5195969**	TUBE ASSY., 4-53 C ENGINE				1								
7A	**5195973**	TUBE ASSY., 2-53 A ENGINE					1							
7A	**5195971**	TUBE ASSY., 3-53 B ENGINE						1						
7A	**5195946**	TUBE ASSY., 3-53 D ENGINE							1					
7A	**5195972**	TUBE ASSY., 4-53 B ENGINE								1				
7A	**5195947**	TUBE ASSY., 4-53 D ENGINE									1			
7A	**5195974**	TUBE ASSY., 3-53 A ENGINE											1	
7A	**5195945**	TUBE ASSY., 2-53 D ENGINE												1
		2.9003 - BRACKET, INJECTOR CONTROL TUBE												
7A	**5116264**	BRACKET	2	2	2	2	2	2	2	2	2	2	2	2
7A	**186676**	BOLT, 1/4"-20X5/8" (12.9001)		4		4						4		
7A	**120380**	LOCKWASHER, 1/4" (12.9200)		4		4						4		
7A	**9422203**	BOLT, 1/4"-20X5/8" (12 PT. HD.)	4		4		4	4	4	4	4		4	4
		2.9007 - SHAFT, INJECTOR CONTROL TUBE END												
7A	**5150259**	SHAFT, 1 1/16" L.	1	1	1	1	1	1	1	1	1	1	1	1
		2.9009 - LEVER, INJECTOR CONTROL TUBE												
7A	**5116267**	LEVER	1	1	1	1	1	1	1	1	1	1	1	1
7A	**142486**	PIN, 1/8" X 3/4" GROOVE (12.9270)	1	1	1	1	1	1	1	1	1	1	1	1
		2.9010 - SPACER, INJECTOR CONTROL TUBE LEVER												
7A	**5116266**	SPACER	1	1	1	1	1	1	1	1	1	1	1	1
		2.9012 - SPRING, INJECTOR CONTROL TUBE												
7A	**5116265**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1
		2.9014 - LEVER, INJECTOR CONTROL TUBE RACK												
7A,B	**5115322**	LEVER	2	3	4	4	2	3	3	4	4	2	3	2
7A,B	**5176228**	SCREW	4	6	8	8	4	6	6	8	8	4	6	4
		2.9017 - LEVER, INJECTOR CONTROL TUBE-LOAD LIMIT ADJUSTING												
		ITEMS IN 2.9017, 2.9019 AND 2.9021 MAY BE USED TOGETHER TO PROVIDE LOAD LIMIT ADJUSTMENT USED WITH MECHANIC AL GOVERNOR.												
	2090519	ARM	1	1	1	1	1	1	1	1	1		1	1
	213546	BOLT, 1/4"-20X1"(12.9001)	2	2	2	2	2	2	2	2	2		2	2
	120380	LOCKWASHER, 1/4" (12.9200)	2	2	2	2	2	2	2	2	2		2	2

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 88	89	90	91	94	99	100	101	102	103	108	109
		2.9019 - PLATE, INJECTOR CONTROL TUBE LEVER-LOAD LIMIT ADJUSTING												
	5146554	PLATE	1	1	1	1	1	1	1	1	1		1	1
		2.9021 - SCREW, INJECTOR CONTROL TUBE LEVER PLATE-LOAD LIMIT ADJUSTING												
	5129913	SCREW (LOAD LIMIT ADJUSTING)	1	1	1	1	1	1	1	1	1		1	1
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1	1	1	1	1	1	1		1	1

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2.9000 INJECTOR CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 110	120	121	122	129	136	160	163	168	170	182	192
		2.9001 - TUBE ASSY., INJECTOR CONTROL												
		A TUBE ASSY. INCLUDES ONE (1) BRACKET IN 2.9003 AND ITEMS IN 2.9007 THRU 2.9010.												
7A	**5195970**	+ TUBE ASSY., 2-53 B ENGINE					1							
7A	**5195968**	TUBE ASSY., 3-53 C ENGINE			1									
7A	**5195975**	TUBE ASSY., 4-53 A ENGINE												1
7A	**5195969**	TUBE ASSY., 4-53 C ENGINE		1										
7B	**5196784**	TUBE ASSY., 6V53 RIGHT BANK	1			1							1	
7B	**5196786**	TUBE ASSY., 6V53 LEFT BANK	1			1							1	
7B	**5198189**	TUBE ASSY., 8V53 RIGHT BANK						1		1				
7B	**5198190**	TUBE ASSY., 8V53 LEFT BANK						1		1				
		+ OBSOLETE.												
		2.9003 - BRACKET, INJECTOR CONTROL TUBE												
7A	**5116264**	BRACKET	4	2	2	4	2	4		4			4	2
7A	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	8				4	8		8				4
7A	**120380**	LOCKWASHER, 1/4" (12.9200)	8				4	8		8				4
7A	**9422203**	BOLT, 1/4"-20X5/8" (12 PT. HD.)		4	4	8							8	
		2.9007 - SHAFT, INJECTOR CONTROL TUBE END												
7A	**5150259**	SHAFT, 1 1/16" L.	2	1	1	2	1	2		2			2	1
		2.9009 - LEVER, INJECTOR CONTROL TUBE												
	5116267	LEVER, 2,3,4-53		1	1		1							1
	5150263	LEVER, 6,8V53	2			2		2		2			2	
7A	**142486**	PIN, 1/8" X 3/4" GROOVE (12.9270)	2	1	1	2	1	2		2			2	1
7A	**142487**	PIN, 1/8" X 7/8" GROOVE (12.9270)				2				2			2	
		2.9010 - SPACER, INJECTOR CONTROL TUBE LEVER												
7A	**5116266**	SPACER, 2,3,4-53		1	1		1							1
	5113359	SPACER, 6,8V53	1					1		1				
		2.9012 - SPRING, INJECTOR CONTROL TUBE												
7A	**5116265**	SPRING, 2,3,4,6V53 (L.H. HELIX)	2	1	1	2	1						2	1
7B	**5138737**	SPRING, 8V53 (L.H. HELIX)						2		2				
		2.9014 - LEVER, INJECTOR CONTROL TUBE RACK												
7A,B	**5115322**	LEVER	6	4	3	6	2	8		8			6	4
7A,B	**5176228**	SCREW	12	8	6	12	4	16		16			12	8
		2.9017 - LEVER, INJECTOR CONTROL TUBE-LOAD LIMIT ADJUSTING												
		ITEMS IN 2.9017, 2.9019 AND 2.9021 MAY BE USED TOGETHER TO PROVIDE LOAD LIMIT ADJUSTMENT USED WITH MECHANIC AL GOVERNOR.												
	2090519	ARM, 2,3,4,6V53	2	1	1	2	1	2			1	2		1

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 110	120	121	122	129	136	160	163	168	170	182	192
		2.9017 - LEVER, INJECTOR CONTROL TUBE-LOAD LIMIT ADJUSTING (CONT'D)												
	5126314	ARM, 6V53 (POWER CONTROL)							2					
	5126313	SPRING (TORQUE LIMITING)							2					
	213546	BOLT, 1/4"-20X1" (12.9001)	4	2	2	4	2	4			2	4		2
	9425509	BOLT, 1/4"-20X1" (12.9001)							2					
	426849	BOLT, 1/4"-20X1" (12.9001)							2					
	120392	WASHER, 1/4" (12.9190)							2					
	120380	LOCKWASHER, 1/4" (12.9200)	4	2	2	4	2	4	4		2	4		2
		2.9019 - PLATE, INJECTOR CONTROL TUBE LEVER-LOAD LIMIT ADJUSTING												
	5146554	PLATE, 2,3,4,6V53	2	1	1	2	1	2			1	2		1
	5136159	PLATE, 6V53 (POWER CONTROL)							2					
		2.9021 - SCREW, INJECTOR CONTROL TUBE LEVER PLATE-LOAD LIMIT ADJUSTING												
	5129913	SCREW, 2,3,4,6V53 (LOAD LIMIT ADJUSTING)	2	1	1	2	1	2			1	2		1
	5140625	SCREW, 6V53 (POWER CONTROL)							2					
	5101140	SEAL							4					2
	114493	LOCKNUT, 5/16"-24 (2.7170)	2	1	1	2	1	2	2		1	2		1
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT												
	5145826	BRACKET, 6V53											1	
	5102155	VALVE, CHECK 6V53 (2.9862)											1	
	5189789	PLUG (OIL SUPPLY) (2.9862)											1	
		2.9084 - LEVER ASSY., FUEL MODULATING CONTROL TUBE												
7B	**5101402**	LEVER, THROTTLE DELAY (INCLUDE LEVER, SCREW AND NUT)											1	
7B	**5146039**	BUSHING (THROTTLE DELAY LEVER)											2	
7B	**5148521**	= SPACER, 1/4"X1.20" L.											1	
7B	**221477**	* + SCREW, #8-32X1 1/8" (12.9025)											1	
7B	**108762**	= SCREW, #8-32X2 1/2" L. (12.9025)											1	
7B	**9415764**	+ BOLT, #8-32X3/4" (12.9001)											2	
7B	**5180116**	BOLT, 1/4"-20 "U" (2.9867)											1	
7B	**120375**	NUT, 1/4"-20 (12.9120)											2	
7B	**454749**	NUT, #10-32 (12.9120)											2	
7B	**103319**	LOCKWASHER, 1/4" (12.9200)											2	
		= NOT SERVICED, USE PARTS INDICATED WITH A (+).												
		* NOT SERVICED, SUPERSEDED BY 274946 SCREW AND 454749 NUT.												
		2.9085 - CAM, FUEL MODULATING												
7B	**5145827**	LINK, THROTTLE DELAY 6V53											1	
7B	**454749**	NUT, #10-32 (12.9120)											1	

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2.9000 INJECTOR CONTROLS

2.9094 - PISTON, INJECTOR CONTROL AIR CYLINDER

PART NUMBER	NAME AND DESCRIPTION	TYPES 110	120	121	122	129	136	160	163	168	170	182	192
5145828	PISTON (2.9030)											1	
5146233	JOINT, 1/4" BALL (2.9030)											1	
454750	NUT, 1/4"—28 LOCK (12.9120)											1	

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	207	223	224	254	259	266	267	273	276	277	278	279
		2.9001 - TUBE ASSY., INJECTOR CONTROL													
		A TUBE ASSY. INCLUDES ONE (1) BRACKET IN 2.9003 AND ITEMS IN 2.9007 THRU 2.9009. A TUBE AND LEVER ASSY. INCLUDES BRACKETS IN 2.9003 PLUS ITEMS IN 2.9009 THRU 2.9014.													
7B	**5198189**	TUBE ASSY., 8V53 RIGHT BANK	1												
7B	**5198190**	TUBE ASSY., 8V53 LEFT BANK	1												
7A	**5199743**	TUBE ASSY., 3-53		1											
7A	**5142151**	TUBE AND LEVER ASSY., 3-53			1										
7A	**5142201**	TUBE AND LEVER ASSY., 4-53				1									
7A	**5103278**	TUBE AND LEVER ASSY., 4-53					1								
7A	**5149966**	TUBE AND LEVER ASSY., 6V53 LEFT BANK						1	1		1				
7A	**5149965**	TUBE AND LEVER ASSY., 6V53 RIGHT BANK						1	1		1				
7A	**5103279**	TUBE AND LEVER ASSY., 4-53								1					
7A	**5149969**	TUBE AND LEVER ASSY., 3-53										1			
7A	**5103310**	TUBE AND LEVER ASSY., 3-53											1		
7A	**5149974**	TUBE AND LEVER ASSY., 3-53												1	
7A	**5103276**	TUBE AND LEVER ASSY., 3-53													1
		2.9003 - BRACKET, INJECTOR CONTROL TUBE													
7B	**5116264**	BRACKET	4	2	2	2	2	4	4	2	4	2	2	2	2
7B	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	8												
	9422203	BOLT, 1/4"-20X5/8" (12.9001)		4	4	4	4	8	8	4	8	4	4	4	4
7B	**120380**	LOCKWASHER, 1/4" (12.9200)	8												
		2.9007 - SHAFT, INJECTOR CONTROL TUBE END													
7B	**5150259**	SHAFT, 1 1/16" L. 8V53	2	1			1	2	2	1	2	1	1	1	1
7A	**5150258**	SHAFT, 1.88" L. 6V53						2	2		2				
	274270	RING, RETAINING		1						1		1			
		2.9009 - LEVER, INJECTOR CONTROL TUBE													
7A	**5150263**	LEVER, 6V53	2					2	2		2				
7A	**5142210**	LEVER, 3,4-53			1	1									
7A	**5141253**	LEVER, 3,4-53 (FUEL ROD)		1	1	1	1		1			1			
	5116267	LEVER, 3-53											1	1	1
7B	**142486**	PIN, 1/8"X3/4" GROOVE (12.9270)	2					2	2		2		1	1	1
7B	**142487**	PIN, 1/8"X7/8" GROOVE (12.9270)	2	1	1	1		2	2	1	2	1	1	1	1
7A	**142488**	PIN, 1/8"X1" GROOVE (12.9270)		1	1	1	1			1		1			
7A	**141201**	PIN, 1/4"X1" DOWEL (12.9290)			1	1									
	274270	RING, 1/2" RETAINING			1	1	1								
		2.9010 - SPACER, INJECTOR CONTROL TUBE LEVER													
7A	**5180122**	SPACER, 4, 4-53		1	1	1	1			1		1			
	5116266	SPACER, 3-53											1	1	1
	142487	PIN, 1/8"X7/8" GROOVE (12.9270)			1	1	1								

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	207	223	224	254	259	266	267	273	276	277	278	279
		2.9011 - SPRING, INJECTOR CONTROL TUBE THROTTLE													
	5147407	SPRING (L.H. HELIX)					1	1				1			
	5147406	SPRING (R.H. HELIX)		1											
		2.9012 - SPRING, INJECTOR CONTROL TUBE													
7B	**5138737**	SPRING, 8V53	2												
7A	**5180123**	SPRING, 3,4-53 (FUEL MOD.) (R.H. HELIX)			1	1									
	5101295	SPRING (R.H. HELIX)						4	4	3	4	2	1	1	1
	5101258	SPRING (L.H. HELIX)						2	2	1	2	1	2	2	2
7A	**5116265**	SPRING, 3, 4-53 (L.H. HELIX)		1	1	1	1	2	2	1	2	1	1	1	1
7A	**5101295**	SPRING, 3,4,6V53 (R.H. HELIX)					3	4	4	3	4	2	1	1	1
7A	**5101258**	SPRING, 3,4,6V53 (L.H. HELIX)					1	2	2	1	2	1	2	2	2
		2.9014 - LEVER, INJECTOR CONTROL TUBE RACK													
7B	**5115322**	LEVER	8	3	3	4									
7A	**5101397**	LEVER					4	6	6	4	6	3	3	3	3
7B	**5176228**	SCREW, 1/4"—28X11/16" SPL.	16	6	6	8									
	5101392	SCREW, 1/4"—28X.90"					4	6	6	4	6	3	3	3	3
	120613	NUT, 1/4"—28 JAM (12.9120)					4	6	6	4	6	3	3	3	3
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT													
C	**5100687**	BRACKET (2.9861)						1		1		1			
B	**5145826**	BRACKET, 8V53	1	1			1		1						
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1		1		1			
7B	**5102155**	VALVE, CHECK 8V53 (2.9862)	1	1			1		1						
7B	**5189789**	PLUG (OIL SUPPLY) (2.9862)	1	1			1		1						
		2.9082 - RETAINER, CYLINDER PISTON SPRING													
7C	**5148883**	RETAINER (2.9865)						1		1		1			
		2.9083 - RING, CYLINDER SPRING RETAINER SNAP													
7C	**9424226**	RING, RETAINING (2.7260)						1		1		1			
		2.9084 - LEVER ASSY., FUEL MODULATING CONTROL TUBE													
7C	**5100686**	LEVER AND ROLLER ASSY. (INCLUDES LEVER, ROLLER AND PIN) (2.9867)						1		1		1			
7B	**5101402**	LEVER, THROTTLE DELAY (INCLUDES LEVER, SCREW AND NUT)	1	1			1		1						
7B	**5146039**	BUSHING (THROTTLE DELAY LEVER)	2	2			2		2						
7B	**5148521**	= SPACER, 1/4"X1.20" L.	1												
7C	**5148884**	CLAMP (2.9867)						1		1		1			
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1		1		1			
7C	**454512**	PIN, 3/16"X3/4" SPRING (12.9275)						1		1		1			
7B	**221477**	+ SCREW, #8-32X1 1/8" (12.9025)	1	1			1		1						
7B	**454065**	BOLT, #10-32X3/4" (12.9001)	2	2			2		2						
7B	**5180116**	BOLT, U (2.9867)	1	1			1		1						
7C	**189132**	BOLT, #10-24X5/8" (12.9027)						1		1		1			

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	207	223	224	254	259	266	267	273	276	277	278	279
		2.9084 - LEVER ASSY., FUEL MODULATING CONTROL TUBE (CONT'D)													
7C	**120217**	LOCKWASHER, #10 (12.9200)						1		1		1			
7B	**103319**	LOCKWASHER, 1/4" (12.9200)	2	2			2		2						
7B	**454749**	+ NUT, #10-32 (12.9120)	3	3			3		3						
7B	**120375**	NUT, 1/4"—20 (12.9120)	2	2			2		2						
		+ NOT SERVICED, SUPERSEDED BY 274946 SCREW AND 3-454749 NUT.													
		= NOT SERVICED, SUPERSEDED BY 221477 AND (3) EACH OF 154749 AND 9415764.													
		2.9085 - CAM, FUEL MODULATING													
7C	**5106129**	CAM						1		1		1			
7C	**454512**	PIN, 3/16"X3/4" SPRING (12.9275)						1		1		1			
7B	**5145827**	LINK, THROTTLE DELAY	1	1			1		1						
7B	**454749**	NUT, #10-32 (12.9120)	1	1			1		1						
		2.9086 - TUBE ASSY., CYLINDER INLET													
	5103672	TUBE ASSY., 6V53						1		1		1			
	5104480	TUBE ASSY., 3,4-53						1		1		1			
	5100600	CONNECTOR (2.9873)						1		1		1			
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1		1		1			
		2.9087 - TUBE ASSY., CYLINDER HEAD AIR INLET													
	5103673	TUBE ASSY., 6V53						1							
	5104482	TUBE ASSY., 4-53								1					
	5107099	TUBE ASSY., 3-53										1			
	8924151	ELBOW, 1/8"—90 DEG. STREET (12.9590)										1			
	8925032	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)						2		2		2			
	8924149	ELBOW, 1/4" TUBE X 1/8" P.T. 90 DEG. (12.9480)										1			
	5100136	ADAPTOR, 1/8" PIPE (12.9570)										1			
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1							
		2.9092 - COVER, INJECTOR CONTROL AIR CYLINDER													
@	**5103674**	COVER ASSY., AIR BOX (1.1040)						1							
@	**5130590**	# CLAMP						1							
@	**105451**	GASKET, 3/8" COPPER (12.9360)						1							
@	**181365**	BOLT, 3/8"—24X1 1/8" (12.9001)						1							
@	**103341**	WASHER, 3/8" (12.9190)						1							
		@ FIG. 1B OF 1.0000.													
		# NOT SERVICED, USE 5130589 AND SD-245.													
		2.9093 - GASKET, AIR CYLINDER COVER													
@	**5107441**	GASKET (1.1050)						1							
		@ FIG. 1B OF 1.0000													

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2.9000 INJECTOR CONTROLS

PART NUMBER	NAME AND DESCRIPTION	TYPES 193	207	223	224	254	259	266	267	273	276	277	278	279
	2.9094 - PISTON, INJECTOR CONTROL AIR CYLINDER													
5148887	PISTON (2.9862)						1		1		1			
5145828	PISTON (2.9030)	1	1			1		1						
454512	PIN, 3/16"X3/4" SPRING (12.9275)						1		1		1			
5146233	JOINT, 1/4" BALL (2.9030)	1	1			1		1						
454750	NUT, 1/4"-28 (JOINT TO PISTON) (12.9120)	1	1			1		1						
	2.9097 - SPRING, INJECTOR CONTROL AIR CYLINDER													
5104675	SPRING (2.9030)						1		1		1			

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2.9000 INJECTOR CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2281	2282	2283	2284	2286	2291	3174
		2.9001 - TUBE ASSY., INJECTOR CONTROL							
7A	5149970	TUBE AND LEVER ASSY., 3-53	1						
7A	5149977	TUBE AND LEVER ASSY., 4-53		1					
7A	5149975	TUBE AND LEVER ASSY., 4-53			1				
7A	5149973	TUBE AND LEVER ASSY., 4-53				1			
7A	5103275	TUBE AND LEVER ASSY., 4-53					1		
7B	5149966	TUBE AND LEVER ASSY., 6V53 (L.B.)						1	1
7B	5149965	TUBE AND LEVER ASSY., 6V53 (R.B.)						1	1
		2.9003 - BRACKET, INJECTOR CONTROL TUBE							
7A,B	5116264	BRACKET	2	2	2	2	2	4	4
7A,B	9422203	BOLT, 1/4"-20X5/8" (12.9001)	4	4	4	4	4	8	8
		2.9007 - SHAFT, INJECTOR CONTROL TUBE END							
7A,B	5150259	SHAFT, 1 1/16" L.	1	1	1	1	1	2	2
7B	5150258	SHAFT, 1.88" 6V53						2	2
		2.9009 - LEVER, INJECTOR CONTROL TUBE							
7A	5116267	LEVER, 3-53	1	1	1	1	1		
	5150263	LEVER, 6V53						2	2
	142486	PIN, 1/8"X3/4" GROOVE (12.9270)	1	1	1	1	1	2	2
	142487	PIN, 1/8"X7/8" GROOVE (12.9270)	1	1	1	1	1	2	2
		2.9010 - SPACER, INJECTOR CONTROL TUBE LEVER							
7A	5116266	SPACER, 11/16" O.D. X 33/64" I.D. X .90"	1	1	1	1	1		
		2.9012 - SPRING, INJECTOR CONTROL TUBE							
7A,B	5116265	SPRING (L.H. HELIX)	1	1	1	1	1	2	2
7A,B	5101295	SPRING (R.H. HELIX)	1	1	3	3	3	4	4
7A,B	5101258	SPRING (L.H. HELIX)	2	3	1	1	1	2	2
		2.9014 - LEVER, INJECTOR CONTROL TUBE RACK							
7A,B	5101397	LEVER	3	4	4	4	4	6	6
7A,B	5101392	SCREW, 1/4"—28 X .90"	3	4	4	4	4	6	6
7A,B	120613	NUT, 1/4"—28 JAM (12.9120)	3	4	4	4	4	6	6
		2.9030 - BRACKET, CYLINDER THROTTLE DELAY ROCKER SHAFT							
7C	5100687	BRACKET (2.9861)						1	1
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1	1
		2.9082 - RETAINER, CYLINDER PISTON SPRING							
7C	5148883	RETAINER (2.9865)						1	1

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2.9000 INJECTOR CONTROLS

	PART NUMBER	NAME AND DESCRIPTION	TYPES 281	282	283	284	286	291	374
		2.9083 - RING, CYLINDER SPRING RETAINER SNAP							
7C	9424226	RING, RETAINING (2.7260)						1	1
		2.9084 - LEVER ASSY., FUEL MODULATING CONTROL TUBE							
7C	5100686	LEVER AND ROLLER ASSY. (INCLUDES LEVER, ROLLER, AND PIN) (2.9867)						1	1
7C	5148884	CLAMP (2.9867)						1	1
7C	454512	PIN, 3/16"X3/4" SPRING (12.9275)						1	1
7C	189132	BOLT, #10-24X5/8" (12.9027)						1	1
7C	120217	LOCKWASHER, #10 (12.9200)						1	1
		2.9085 - CAM, FUEL MODULATING							
7C	5106129	CAM						1	1
7C	454512	PIN, 3/16"X3/4" SPRING (12.9275)						1	1
		2.9086 - TUBE ASSY., CYLINDER INLET							
	5103672	TUBE ASSY., 6V53						1	1
	5199575	HOSE, #6X14' L. (12.8550)						1	
	5199579	FITTING, #6 HOSE 5/8"-18 MALE INV. FL. 45 DEG.						1	
	5199588	FITTING, #6 HOSE 5/8"-18 MALE INV. FL. 90 DEG.						1	
	9432248	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1	
	193004	ELBOW, 3/8" TUBE 90 DEG. (12.9480)						1	
	5100600	CONNECTOR (2.9873)						1	1
	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1	1
	137397	NUT, 1/4" TUBE (12.9500)						2	2
	2488022	CLIP, 3/8" (12.8554)						1	
		2.9087 - TUBE ASSY., CYLINDER HEAD AIR INLET							
	5103673	TUBE ASSY.							1
	8921314	COVER, AIR BOX 1/8" NPTF (1.1040)							1
	8925004	TEE, INV. 1/4" TUBE (7.4586)							2
	8924380	PLUG, PIPE 1/8"-27 SQ. SOC. W/SEAL (12.9550)							1
		2.9094 - PISTON, INJECTOR CONTROL AIR CYLINDER							
	5148887	PISTON						1	1
	454512	PIN, 3/16"X3/4" SPRING (12.9275)						1	1
		2.9097 - SPRING, INJECTOR CONTROL AIR CYLINDER							
	5104675	SPRING (2.9030)						1	1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	476	483	484	485	486	487	488	489	490	492	493
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE												
	5113377	WASHER, 2,3,4-53				1	1	1	1		1	1	1	1
	5113378	PAD, 2,3,4-53				1	1	1	1		1	1	1	1
		2.9133 - CONTROL, VERNIER THROTTLE												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5173084	CONTROL ASSY., 2,3,4-53								1				
		2.9150 - BRACKET, THROTTLE CONTROL KNOB SHAFT												
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9160.												
	5124829	BRACKET ASSY., 2,3,4-53								1				
		2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRACKET												
	3222765	BUSHING, 2,3,4-53								1				
		2.9170 - PLATE, THROTTLE CONTROL INDICATOR												
	3292274	PLATE, 2,3,4-53								1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)								3				
	103319	LOCKWASHER, 1/4" (12.9200)								3				
	120376	NUT, 1/4"-20 (12.9120)								3				
		2.9175 - SUPPORT, THROTTLE CONTROL BRACKET												
	5124502	SUPPORT, 2,3,4-53 (2.9370)								1				
	5124628	BRACKET, SUPPORT 2,3,4-53								1				
	179835	BOLT, 5/8"-16X5/8" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				
	102635	NUT, 3/8"-16 (12.9120)								1				
		2.9290 - LEVER, THROTTLE CONTROL ROD-LOWER												
	3222760	LEVER, 2,3,4-53 (ON VERNIER CONTROL SHAFT) (2.9390)								1				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								1				
	103319	LOCKWASHER, 1/4" (12.9200)								1				
	121902	NUT, 1/4"-28 (12.9120)								1				

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2.9000A THROTTLE CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	476	483	484	485	486	487	488	489	490	492	493
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER												
8A	**5124616**	BRACKET, 3,4-53 (2.9720)				1	1	1	1		1	1	1	1
8A	**179838**	BOLT, 3/8"-16X7/8" (12.9001)				2	2	2	2		2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)				2	2	2	2		2	2	2	2
		2.9306 - GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD												
	5175882	GASKET, 2,3,4-53 (4.4115)				2	4	2	4		2	4	2	2
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
8A	**5124261**	* LEVER & SHAFT ASSY., 3,4-53				1		1			1		1	
8A	**5121163**	LEVER & SHAFT ASSY., 3,4-53					1		1			1		1
	5113358	SPRING, 2,3,4-53				1	1	1	1		1	1	1	1
	5113359	SPACER, 2,3,4-53				1	1	1	1		1	1	1	1
	122295	NUT, 1/2"-20 (12.9120)				2	2	2	2		2	2	2	2
		* NOT SERVICED, WHEN REPLACEMENT REQUIRED CONVERT TYPES: 484 TO 505; 486 TO 497; 489 TO 499; 492 TO 510. 50 0 TO 496; 501 TO 498.												
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT												
8A	**5124262**	* TUBE, 3,4-53 (2.9310)				1		1			1		1	
8A	**5121166**	TUBE, 3,4-53 (2.9310)					1		1			1		1
	5113397	BUSHING, 2,3,4-53 (2.9142)				2	2	2	2		2	2	2	2
	5180116	BOLT, "U" 1/4"-20 2,3,4-53 (2.9867)				2	2	2	2		2	2	2	2
	103319	LOCKWASHER, 1/4" (12.9200)				4	4	4	4		4	4	4	4
	120375	NUT, 1/4"-20 (12.9120)				4	4	4	4		4	4	4	4
		* NOT SERVICED, USE 5124862.												
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
7E	**5123878**	BRACKET, 2,3,4-53		1	1	1	1							
8A	**5125014**	BRACKET, 2,3,4-53											1	1
8A	**179823**	BOLT, 5/16"-18X5/8" (12.9001)											2	2
7E	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)		1	1	1	1							
8A	**103320**	LOCKWASHER, 5/16" (12.9200)											2	2
8A	**120376**	NUT, 5/16"-18 (12.9120)											2	2
		2.9345 - LEVER, THROTTLE BOOSTER												
8A	**5125016**	BRACKET, 3,4-53											1	1
	444813	BOLT, 1/4"-20X7/8" (12.9001)											2	2
	120380	LOCKWASHER, 1/4" (12.9200)											2	2
	120375	NUT, 1/4"-20 (12.9120)											2	2

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	476	483	484	485	486	487	488	489	490	492	493
		2.9347 - SPRING, THROTTLE BOOSTER												
7E	**5143344**	SPRING, 2,3,4-53		1	1	1	1							
8A	**5124418**	SPRING, 3,4-53 (5 9/16" L.)											1	1
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
7E	**5123762**	EYE, 2,3,4-53		1	1	1	1						1	1
7E	**120375**	NUT, 1/4"-20 (12.9120)		2	2	2	2						2	2
		2.9349 - HANGER, THROTTLE BOOSTER SPRING												
7E	**5186749**	NUT, 5/8" L.2,3,4-53 (SPRING HANGER)		1	1	1	1							
8A	**5171429**	NUT, 7/16" L. 3,4-53 (SPRING HANGER)											1	1
7E	**5171045**	BOLT, 5/16"-24X5/8" (1/8" HEAD)		1	1	1	1						1	1
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR												
	5124614	ROD ASSY., 3,4-53 (2.9720)				1	1							
	5124942	ROD ASSY., 2,3,4-53 (2.9720)						1	1					
	5124941	ROD ASSY., 2,3,4-53									1	1		
	5124940	ROD ASSY., 2,3,4-53									1	1		
8A	**5125060**	ROD, 2,3,4-53											1	1
	3224744	LINK, 2,3,4-53 (2.9400)								1				
8A	**5118951**	JOINT, BALL 5/16" 2,3,4-53 (12.9680)											2	2
	5147345	PIN, CLEVIS 2,3,4-53 (12.9260)								2				
	103361	PIN, COTTER (12.9250)								2				
	103320	LOCKWASHER, 5/16" (12.9200)				2	2	2	2		2	2	2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)				2	2	2	2		2	2	2	2
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	5147640	LEVER, 2,3,4-53 (3.3110)				1	1	1	1					
	5173081	LEVER, 2,3,4-53 (2.9410)								1				
	5124504	LEVER, 3,4-53 (2.7170)									1	1		
	454813	BOLT, 1/4"-20X7/8" (12.9001)		1	1	1	1				1	1		
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								1				
	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1			1	1	1		
	121902	NUT, 1/4"-28 (12.9120)								1				

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 444	476	483	484	485	486	487	488	489	490	492	493
	2.9410 - LEVER, GOVERNOR CONTROL													
	5123880	LEVER		1										
	5123881	LEVER			1									
	5124615	LEVER				1	1							
	5113338	LEVER										1		
	454813	BOLT, 1/4"-20X7/8" (12.9001)		1	1	1	1							
	179796	BOLT, 1/4"-20X7/8" (12.9001)										1		
	120380	LOCKWASHER, 1/4" (12.9200)		1	1	1	1							
	103319	LOCKWASHER, 1/4" (12.9200)										1		
	2.9422 - WIRE, GOVERNOR CONTROL													
8A	**5146238**	WIRE ASSY., 2,3,4-53 (48" L.)	1											
8A	**5146239**	WIRE ASSY., 2,3,4-53 (90" L.)				1	1						1	1
	5184255	PLATE, NAME 2,3,4-53	1			1	1						1	1
	110730	LOCKWASHER, 3/8" (12.9200)	1			1	1						1	1
	124925	NUT, 3/8"-24 (12.9120)	1			1	1						1	1
	2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL													
8A	**5161464**	PIN, 2,3,4-53	1			1	1						1	1
	120392	WASHER, 1/4" (12.9190)	1			1								
	120393	WASHER, 11/32" (12.9190)					1						1	1
	142583	RETAINER, 13/64" (SPRING) (12.9640)	1			1	1						1	1
8A	**132105**	SCREW, #10-32X3/8"FIL.HD. (12.9010)	1			1	1						1	1
	2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE													
	3290569	CLIP (AT FLYWHEEL HOUSING) (7.8320)	1			1	1						1	1
	5159738	CLIP (INTERMEDIATE) (7.8320)				1	1						1	1
	5155782	CLIP (7.8320)					1							
8A	**123298**	BOLT, 1/4"-28X3/8" (12.9001)	1			1	1						1	1
	179833	BOLT, 3/8"-16X1/2" (12.9001)				1	1						1	1
	120392	WASHER, 1/4" (12.9190)					1							
	120393	WASHER, 5/16" (12.9190)				1								
	103319	LOCKWASHER, 1/4" (12.9200)	1			1	1						1	1
	103321	LOCKWASHER, 3/8" (12.9200)				1	1						1	1
8A	**121902**	NUT, 1/4"-28 (12.9120)	1			1	1						1	1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 494	496	497	498	499	500	501	502	503	504	505	506
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE												
	5113377	WASHER, 2,3,4-53	1	1	1	1	1	1	1	1	1		1	1
	5113378	PAD, 2,3,4-53	1	1	1	1	1	1	1	1	1		1	1
		2.9275 - BRACKET, THROTTLE CONTROL SHAFT TO HEAD												
	5125228	BRACKET, 3,4-53 (2.9675)	1											
	5122898	SPACER, 3,4-53 (7.1590)	1											
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	2											
	103321	LOCKWASHER, 3/8" (12.9200)	2											
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER												
8A	5124616	BRACKET, 3,4-53 (2.9720)						1	1	1	1			
	5101634	BRACKET, 2,3,4-53 (SD-158)		1	1	1	1						1	1
8A	179838	BOLT, 3/8"-16X7/8" (12.9001)		2	2	2	2	2	2	2	2		2	2
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2	2	2	2	2	2		2	2
		2.9306 - GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD												
	5175882	GASKET, 2,3,4-53 (4.4115)		2	2	4	4	2	2	2	2		4	4
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
8A	5124261	* LEVER & SHAFT ASSY., 3,4-53						1	1					
8A	5121163	LEVER & SHAFT ASSY., 3,4-53								1	1			
8A	5124863	LEVER & SHAFT ASSY., 2,3,4-53	1	1	1	1	1						1	1
	5113358	SPRING, 2,3,4-53	1	1	1	1	1	1	1	1	1		1	1
	5113359	SPACER, 2,3,4-53	1	1	1	1	1	1	1	1	1		1	1
	122295	NUT, 1/2"-20 (12.9120)	2	2	2	2	2	2	2	2	2		2	2
		* NOT SERVICED, WHEN REPLACEMENT REQUIRED CONVERT TYPES: 500 TO 496; 501 TO 498.												
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT												
8A	5121166	TUBE, 3,4-53 (2.9310)								1	1			
8A	5124862	TUBE, 2,3,4-53 (2.9310)	1	1	1	1	1	1	1				1	1
	5113397	BUSHING, 2,3,4-53 (2.9142)	2	2	2	2	2	2	2	2	2		2	2
8A	5180116	BOLT, "U" 1/4"-20 2,3,4-53 (2.9867)	2	2	2	2	2	2	2	2	2		2	2
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4		4	4
	120375	NUT, 1/4"-20 (12.9120)	4	4	4	4	4	4	4	4	4		4	4

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 494	496	497	498	499	500	501	502	503	504	505	506
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
7E	**5123878**	BRACKET, 2,3,4-53											1	
	5123879	BRACKET, 2,3,4-53												1
7E	**454906**	BOLT, 3/8"-16X1 1/2" (12.9001)											1	1
		2.9347 - SPRING, THROTTLE BOOSTER												
7E	**5143344**	SPRING, 2,3,4-53											1	1
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
7E	**5123762**	EYE, 2,3,4-53											1	1
7E	**120375**	NUT, 1/4"-20 (12.9120)											2	2
		2.9349 - HANGER, THROTTLE BOOSTER SPRING												
7E	**5186749**	NUT, 5/8" L. 2,3,4-53 (SPRING HANGER)											1	1
7E	**5171045**	BOLT, 5/16"-24X5/8" 2,3,4-53 (1/8" HEAD)											1	1
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR												
	5124614	ROD ASSY., 3,4-53 (2.9720)											1	1
	5124942	ROD ASSY., 2,3,4-53 (2.9720)			1									
	5124941	ROD ASSY., 2,3,4-53				1			1		1			
	5124940	ROD ASSY., 2,3,4-53					1							
	5124943	ROD ASSY., 2,3,4-53 (2.9720)		1				1		1				
	5125684	LINK, 2,3,4-53	1											
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2		2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)	2	2	2	2	2	2	2	2	2		2	2
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	5147640	LEVER, 2,3,4-53 (3.3110)	1	1	1			1		1			1	1
	5124504	LEVER, 3,4-53 (2.7170)				1	1		1		1			
	5158432	* LEVER, 2,3,4-53 (2.7170)	1											
	454813	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1	1	1	1	1	1	1		1	1
	186647	BOLT, 1/4"-20X1" (12.9001)	1											
	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1		1	1

* NOT REQUIRED WITH PIERCE GOVERNOR.

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 494	496	497	498	499	500	501	502	503	504	505	506
		2.9410 - LEVER, GOVERNOR CONTROL												
7D	**5124615**	LEVER, 2,3,4-53											1	1
7D	**454813**	BOLT, 1/4"-20X7/8" (12.9001)											1	1
7D	**120380**	LOCKWASHER, 1/4" (12.9200)											1	1
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	**5146238**	WIRE ASSY., 2,3,4-53 (48" L.)	1									1		
8A	**5146239**	WIRE ASSY., 2,3,4-53 (90" L.)											1	1
	3796374	GUIDE, 3,4-53 (2.9426)	1									1		
	5184255	PLATE, NAME 2,3,4-53	1									1	1	1
	140855	SCREW SET, #8-32X5/16" (12.9076)	1									1		
	110730	LOCKWASHER, 3/8" (12.9200)	1									1	1	1
	124925	NUT, 3/8"-24 (12.9120)	1									1	1	1
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
8A	**5161464**	PIN, 2,3,4-53											1	1
	5150941	WASHER, 21/16" (2.7310)											1	
	120392	WASHER, 1/4" (12.9190)												1
	142583	RETAINER, 13/64" (SPRING) (12.9640)											1	1
8A	**132105**	SCREW, #10-32X3/8" FIL.HD. (12.9010)											1	1
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
8A	**3290569**	CLIP (AT FLYWHEEL HOUSING) (7.8320)											1	1
	5159738	CLIP (INTERMEDIATE) (7.8320)											1	1
	5163538	CLIP (3/16" TUBE) (7.8320)	1											
	5155782	CLIP (7.8320)	2									2	1	1
	120687	BOLT, #10-24X1/2" (12.9025)	2									2		
8A	**123298**	BOLT, 1/4"-28X3/8" (12.9001)											1	1
	179833	BOLT, 3/8"-16X1/2" (12.9001)											1	1
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1											
	120392	WASHER, 1/4" (12.9190)											1	
	120393	WASHER, 5/16" (12.9190)												1
	120217	LOCKWASHER, #10 (12.9200)	1									1		
	103319	LOCKWASHER, 1/4" (12.9200)											1	1
	103321	LOCKWASHER, 3/8" (12.9200)											1	1
	110633	NUT, #10-24 (12.9120)	1									1		
8A	**121902**	NUT, 1/4"-28 (12.9120)											1	1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 507	508	509	510	511	512	513	514	515	516	517	518
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE												
	5113377	WASHER, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
	5113378	PAD, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
		2.9275 - BRACKET, THROTTLE CONTROL SHAFT TO HEAD												
	5125228	BRACKET, 2,3,4-53 (2.9675)	1										1	1
	5122898	SPACER, 2,3,4-53 (7.1590)	1										1	1
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)	2										2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2										2	2
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER												
8A	**5124616**	BRACKET, 3,4-53		1	1				1	1	1	1		
8A	**5147417**	BRACKET, 2-53 (SD-158)				1	1	1						
8A	**179838**	BOLT, 3/8"-16X7/8" (12.9001)		2	2	2	2	2	2	2	2	2		
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2	2	2	2	2	2	2		
		2.9306 - GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD												
	5175882	GASKET, 2,3,4-53 (4.4115)		2	2	2	4	4	2	2	2	4		
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5124863	LEVER AND SHAFT ASSY., 2,3,4-53	1			1	1	1					1	1
8A	**5124261**	* LEVER AND SHAFT ASSY., 3,4-53		1					1	1				
8A	**5121163**	LEVER AND SHAFT ASSY., 3,4-53			1						1	1		
	5113358	SPRING, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
	5113359	SPACER, 2,3,4-53	1	1	1	1	1	1	1	1	1	1	1	1
	122295	NUT, JAM 1/2"-20 (12.9120)	2	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED, WHEN REPLACEMENT REQUIRED CONVERT TYPES: 508 TO 506; 513 TO 511; 514 TO 512.												
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT												
8A	**5124862**	TUBE, 2,3,4-53 (2.9310)	1			1	1	1					1	1
8A	**5124262**	* TUBE, 3,4-53		1					1	1				
8A	**5121166**	TUBE, 3,4-53 (2.9310)			1						1	1		
	5113397	BUSHING, 2,3,4-53 (2.9142)	2	2	2	2	2	2	2	2	2	2	2	2
8A	**5180116**	BOLT, 1/4"-20 U 2,3,4-53 (2.9867)	2	2	2	2	2	2	2	2	2	2	2	2

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 507	508	509	510	511	512	513	514	515	516	517	518
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT (CONT'D)												
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	120375	NUT, 1/4"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* NOT SERVICED, WHEN REPLACEMENT REQUIRED CONVERT TYPES: 508 TO 506; 513 TO 511; 514 TO 512.												
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
7E	5123878	BRACKET, 2,3,4-53	1											
8A	5123879	BRACKET, 2,3,4-53		1	1									
	5125014	BRACKET, 2-53				1								
8A	179823	BOLT, 5/16"-18X5/8" (12.9001)				2								
7E	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1									
7E	103320	LOCKWASHER, 5/16" (12.9200)				2								
7E	120376	NUT, 5/16"-18 (12.9120)				2								
		2.9345 - LEVER, THROTTLE BOOSTER												
7E	5125016	BRACKET, 2,3,4-53				1								
	179796	BOLT, 1/4"-20X7/8" (12.9001)	2	2	2	2								
	103319	LOCKWASHER, 1/4" (12.9200)	2	2	2	2								
	120375	NUT, 1/4"-20 (12.9120)				2								
		2.9347 - SPRING, THROTTLE BOOSTER												
7E	5143344	SPRING, 2,3,4,6V53	1		1									
7E	5125716	SPRING, 2,3,4,6V53		1										
7E	5124418	SPRING, 2,3,4-53 (5 9/16" L.)				1								
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
7E	5123762	EYE, 2,3,4-53	1	1	1	1								
7E	120375	NUT, 1/4"-20 (12.9120)	2	2	2	2								
		2.9349 - HANGER, THROTTLE BOOSTER SPRING												
7E	5186749	NUT, 5/8" 3,4,6V53 (SPRING HANGER)	1	1	1									
7E	5171429	NUT, 7/16" 2,6V53 (SPRING HANGER)				1								
7E	5171045	BOLT, 5/16"-24X5/8" 2,3,4,6V53 (1/8" HEAD)	1	1	1	1								

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 507	508	509	510	511	512	513	514	515	516	517	518
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR												
	5124614	ROD ASSY., 3,4-53 (2.9720)	1	1	1									
	5125262	ROD ASSY., 3,4-53 (2.9720)											1	
	5125264	ROD ASSY., 3,4-53 (2.9720)												1
8A	5125060	ROD, 2-53				1								
	5125687	LINK, 2,3,4-53 (2.7360)					1		1		1			
	5125686	LINK, 2,3,4-53						1		1		1		
8A	5118951	JOINT, BALL 5/16" 2,3,4-53 (12.9680)				2								
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)	2	2	2	2	2	2	2	2	2	2	2	4
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	5147640	LEVER, 2,3,4-53 (3.3110)	1	1	1		1	1	1	1	1	1	1	
	5124504	LEVER, 3,4-53 (2.7170)												1
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1		1	1	1	1	1	1	1	1
	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1		1	1	1	1	1	1	1	1
		2.9410 - LEVER, GOVERNOR CONTROL												
7D	5124615	LEVER, 2,3,4-53	1	1	1									
7D	179796	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1									
7D	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1									
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	5146239	WIRE ASSY., 2,3,4-53 (90" L.)		1	1	1		1						
8A	5146238	WIRE ASSY., 2,3,4-53 (48" L.)					1		1	1	1	1		
	3796374	GUIDE, 2,3,4-53 (2.9426)					1	1	1	1	1	1		
	5184255	PLATE, NAME 2,3,4-53		1	1	1	1	1	1	1	1	1		
	140855	SCREW SET, #8-32X5/16" (12.9076)					1	1	1	1	1	1		
	110730	LOCKWASHER, 3/8" (12.9200)		1	1	1	1	1	1	1	1	1		
	124925	NUT, 3/8"-24 (12.9120)		1	1	1	1	1	1	1	1	1		
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
8A	5161464	PIN, 2,3,4-53		1	1	1								
	120392	WASHER, 1/4" (12.9190)		1	1									
	120393	WASHER, 11/32" (12.9190)				1								
	142583	RETAINER, 13/64" (SPRING) (12.9640)		1	1	1								
8A	132105	SCREW, #10-32X3/8" FIL.HD. (12.9010)		1	1	1								
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
7E	3290569	CLIP (AT WIRE END) (7.8320)		1	1	1								
	5159738	CLIP (3/16" TUBE) (7.8329)		2	2	2								
	5155782	CLIP (3/16" TUBE) (7.8320)					2	2	2	2	2	2		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 507	508	509	510	511	512	513	514	515	516	517	518
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE (CONT'D)												
	120687	BOLT, #10-24X1/2" (12.9025)					1	1	1	1	1	1		
8A	**123298**	BOLT, 1/4"-28X3/8" (12.9001)		1	1	1								
	179833	BOLT, 3/8"-16X1/2" (12.9001)		1	1	1								
	120393	WASHER, 11/32" (12.9190)		1	1									
	120217	LOCKWASHER, #10 (12.9200)					1	1	1	1	1	1		
	120380	LOCKWASHER, 1/4" (12.9200)		1	1	1								
	103321	LOCKWASHER, 3/8" (12.9200)		1	1	1								
	110633	NUT, #10-24 (12.9120)					1	1	1	1	1	1		
8A	**121902**	NUT, 1/4"-28 (12.9120)		1	1	1								

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2.9000A THROTTLE CONTROLS

PART NUMBER	NAME AND DESCRIPTION	TYPES 519	520	521	522	523	524	538	541	552	553	558	560
	2.9133 - CONTROL, VERNIER THROTTLE												
	SEE ASSEMBLY BREAKDOWN PAGE A1.												
3292337	CONTROL ASSY., 2,3,4-53					1							
	2.9150 - BRACKET, THROTTLE CONTROL KNOB SHAFT												
	A BRACKET ASSEMBLY INCLUDES BUSHING IN 2.9160.												
3292280	BRACKET ASSY., 2,3,4-53					1							
	2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRACKET												
3222765	BUSHING, 2,3,4-53					1							
	2.9170 - PLATE, THROTTLE CONTROL INDICATOR												
3292274	PLATE, 2,3,4-53					1							
	2.9190 - COUPLING, THROTTLE CONTROL SHAFT												
5166494	COUPLING, 2,3,4-53					1							
139009	SCREW, 1/4"-28X1/4" SET (12.9076)					4							
	2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR												
5126553	BRACKET, 2,3,4-53 (LOWER)												1
5126555	BRACKET, 3,4-53 (UPPER)												1
106265	WASHER, 9/16" (12.9190)												1
108629	PIN, 3/32"X7/8" COTTER (12.9250)												1
	2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL												
5126985	ROD ASSY., 3,4-53 (OUTPUT SHAFT GOVERNOR)									1			
5123245	CLAMP, SWIVEL 3,4-53									1			
103372	PIN, 3/32"X1/2" COTTER (12.9260)									1			
103495	PIN, 5/16" CLEVIS (12.9160)									1			
103320	LOCKWASHER, 5/16" (12.9200)									1			
114493	LOCKNUT, 5/16"-24 (2.7170)									1			

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 519	520	521	522	523	524	538	541	552	553	558	560
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
7E	**5123879**	BRACKET, 2,3,4-53											1	
	5125014	BRACKET, 2-53		1		1								
	5125015	BRACKET, 2,3,4-53	1		1									
8A	**5134476**	BRACKET, 6V53										1		
7E	**179823**	BOLT, 5/16"-18X5/8" (12.9001)	2	2	2	2								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)											1	
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)										2		
7E	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2								
7E	**120376**	NUT, 5/16"-18 (12.9120)	2	2	2	2								
		2.9345 - LEVER, THROTTLE BOOSTER												
8A	**5128795**	LEVER, 6V53										1		
7E	**5125016**	BRACKET, 2,3,4-53	1	1	1	1								
	179796	BOLT, 1/4"-20X7/8" (12.9001)	2	2	2	2						1		
	103319	LOCKWASHER, 1/4" (12.9200)	2	2	2	2						1		
	120375	NUT, 1/4"-20 (12.9120)	2	2	2	2								
		2.9347 - SPRING, THROTTLE BOOSTER												
8A	**5125716**	SPRING, 2,3,4,6V53										1	1	
8A	**5124418**	SPRING, 2,3,4-53 (5 9/16" L.)	1	1	1	1								
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
7E	**5123762**	EYE, 2,3,4-53	1	1	1	1							1	
8A	**5134051**	EYE, 6V53										1		
7E	**120375**	NUT, 1/4"-20 (12.9120)	2	2	2	2							2	
8A	**123221**	NUT, 3/8"-16 (12.9120)										2		
		2.9349 - HANGER, THROTTLE BOOSTER SPRING												
7E	**5186749**	NUT, 5/8" 3,4,6V53 (SPRING HANGER)											1	
7E	**5171429**	NUT, 7/16" 2,6V53 (SPRING HANGER)										1		
7E	**5171045**	BOLT, 5/16"-24X5/8" 2,3,4,6V53 (1/8" HEAD)										1	1	
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR												
	5127405	SHAFT ASSY., 3,4-53												1
	5126558	LINK ASSY., 3,4-53												1
	103373	PIN, 3/32"X3/4" COTTER (12.9250)												2
	5170492	BOLT, 3/8"-24X2 29/32" (12.9001)												2
	186309	BOLT, 3/8"-24X3 3/4" (12.9001)												2
	120393	WASHER, 5/16" (12.9190)												2

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2.9000A THROTTLE CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 519	520	521	522	523	524	538	541	552	553	558	560
		2.9361 - LEVER, GOVERNOR CONTROL SHAFT-REAR OF ENGINE												
	5107147	LEVER, 3,4-53												1
	186647	BOLT, 1/4"-20X1" (12.9001)												1
	120380	LOCKWASHER, 1/4" (12.9200)												1
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	5147640	LEVER, (2, 3, 4-53) AND SD-288 (2.9340)							1					
	5154448	LEVER, 2,3,4-53 (2.7170)								1				
	5158432	LEVER, 6V53 (2.7170)										1		
8A	5128795	LEVER, 4-53											1	
	179796	BOLT, 1/4"-20X7/8" (12.9001)							1			1	1	
	186647	BOLT, 1/4"-20X1" (12.9001)								1				
	120380	LOCKWASHER, 1/4" (12.9200)							1			1	1	
	103319	LOCKWASHER, 1/4" (12.9200)										1		
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
	5119679	SPRING, 3,4-53 (2.7210)									1			
	5172502	EYE, 3,4-53 (2.9348)									1			
	120380	LOCKWASHER, 1/4" (12.9200)									1			
	120375	NUT, 1/4"-20 (12.9120)									2			
		2.9406 - BRACKET, GOVERNOR CONTROL RETRACTING SPRING												
	5126551	BRACKET, 3,4-53												1
	5126987	BRACKET, 3,4-53 (2.9405)									1			
	132264	SCREW, 1/4"-20X3/4"FIL.HD.(12.9010)									2			
	100002	BOLT, 1/4"-28X1"(LEVER STOP) (12.9001)									1			
	103319	LOCKWASHER, 1/4" (12.9200)									1			
	120316	NUT, 1/4"-28 (12.9120)									1			
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	5146238	WIRE ASSY., 2,3,4-53 (48" L.)	1	1				1	1	1				
	5184255	PLATE, NAME 2,3,4-53	1	1				1	1	1				
	110730	LOCKWASHER, 3/8" (12.9200)	1	1				1	1	1				
	124925	NUT, 3/8"-24 (12.9120)	1	1				1	1	1				

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 519	520	521	522	523	524	538	541	552	553	558	560
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
8A	**5161464**	PIN, 2,3,4-53	1	1				1	1	1				
	120392	WASHER, 1/4" (12.9190)						1	1	1				
	120393	WASHER, 11/32" (12.9190)	1	1										
	142583	RETAINER, 13/64" (SPRING) (12.9640)	1	1				1	1	1				
8A	**132105**	SCREW, #10-32X3/8" FIL. HD. (12.9010)	1	1				1	1	1				
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
8A	**3290569**	CLIP (AT WIRE END) (7.8320)	1	1				1	1	1				
	5157809	CLIP (3/16" TUBE) (7.8320)						1						
8A	**123298**	BOLT, 1/4"-28X3/8" (12.9001)	1	1				1	1	1				
	179833	BOLT, 3/8"-16X1/2" (12.9001)						1						
	120380	LOCKWASHER, 1/4" (12.9200)	1	1				1	1	1				
	103321	LOCKWASHER, 3/8" (12.9200)						1						
8A	**121902**	NUT, 1/4"-28 (12.9120)	1	1				1	1	1				

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2.9000A THROTTLE CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	569	572	578	579	580	582	583	586	595	602	603
		2.9133 - CONTROL, VERNIER THROTTLE												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
8B	3292337	CONTROL ASSY., 2,3,4-53			1									
	3292560	CONTROL ASSY., 2,3,4-53				1								
		2.9150 - BRACKET, THROTTLE CONTROL KNOB SHAFT												
		A BRACKET ASSY. INCLUDES BUSHING IN 2.9160.												
	5124829	BRACKET, 2,3,4-53			1	1								
		2.9160 - BUSHING, THROTTLE CONTROL SHAFT BRACKET												
	3222765	BUSHING, 2,3,4-53			1									
		2.9170 - PLATE, THROTTLE CONTROL INDICATOR												
	3292274	PLATE, 2,3,4-53			1	1								
	454813	BOLT, 1/4"-20X7/8" (12.9001)			3	3								
	120380	LOCKWASHER, 1/4" (12.9200)			3	3								
	120375	NUT, 1/4"-20 (12.9120)			3	3								
		2.9175 - SUPPORT, THROTTLE CONTROL BRACKET												
	5124502	SUPPORT, 2,3,4-53			1	1								
	5128407	SUPPORT, 2,3,4-53			1	1								
	186676	BOLT, 1/4"-20X5/8" (12.9001)			1	1								
	120392	WASHER, 1/4" (12.9190)			1	1								
	120380	LOCKWASHER, 1/4" (12.9200)			1	1								
	120375	NUT, 1/4"-20 (12.9120)			1	1								
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL												
	5126986	ROD ASSY., 4-53		1										
	5129615	ROD ASSY., 3-53(ACCELERATOR CONTROL)					1							
	5123245	CLAMP, SWIVEL 4-53		1										
	103495	PIN, 5/16" CLEVIS (12.9160)		1										
	103372	PIN, 3/32"X1/2" COTTER (12.9260)		1										
	120380	LOCKWASHER, 1/4" (12.9200)					2							
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	121902	NUT, 1/4"-28 (12.9120)					2							
	114493	LOCKNUT, 5/16"-24 (2.7170)		1										

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	569	572	578	579	580	582	583	586	595	602	603
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5129613	STUD, 3-53 (ACCELERATOR IDLER LEVER) (2.9360)				1								
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT												
	5129614	LEVER ASSY., 3-53 (ACCELERATOR IDLER) (2.9300)				1								
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
7E	**5123878**	BRACKET, 2,3,4-53						1			1	1		
	5126155	BRACKET, 6V53											1	
8A	**5123879**	BRACKET, 4-53												1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						1			1	1		1
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)											2	
	103321	LOCKWASHER, 3/8" (12.9200)										1		
		2.9345 - LEVER, THROTTLE BOOSTER												
8A	**5128795**	LEVER, 6V53											1	
	180021	BOLT, 1/4"-20X7/8" (12.9001)											1	
	120380	LOCKWASHER, 1/4" (12.9200)											1	
		2.9347 - SPRING, THROTTLE BOOSTER												
8A	**5125716**	SPRING, 2,3,4,6V53						1					1	
7E	**5143344**	SPRING, 2,3,4-53										1		1
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
7E	**5123762**	EYE, 1/4"-20X4" 2,3,4,6V53						1				1	1	1
7E	**120375**	NUT, 1/4"-20 (12.9120)						2				2	2	2
		2.9349 - HANGER, THROTTLE BOOSTER SPRING												
7E	**5186749**	NUT, 5/8"L.2,3,4,6V53(SPRING HANGER)						1				1		1
7E	**5171429**	NUT, 7/16"L.6V53(SPRING HANGER)											1	
7E	**5171045**	BOLT, 5/16"-2 2,3,4,6V53						1				1	1	1

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2.9000A THROTTLE CONTROLS

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	569	572	578	579	580	582	583	586	595	602	603
		2.9355 - SOLENOID, THROTTLE CONTROL												
	5100004	EYE, 6V53 (2.9024)											1	
	1996097	* SWITCH, PUSH BUTTON 6V53 (7.4115)											1	
	100001	BOLT, 1/4"-28X3/4" (12.9001)											2	
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)											1	
	120392	WASHER, 1/4" (12.9190)											2	
	120380	LOCKWASHER, 1/4" (12.9200)											2	
	121902	NUT, 1/4"-28 (12.9120)											2	
	114492	LOCKNUT, 1/4"-28 (12.9120)											1	
	114493	LOCKNUT, 5/16"-24 (2.7170)											1	
		* PROCURE FROM AC DELCO.												
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5162846	BRACKET, 6V53											1	
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)											2	
	120380	LOCKWASHER, 1/4" (12.9200)											AR	
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR												
	5128417	ROD ASSY., 2,3,4-53		1	1									
	5129616	ROD ASSY., 3-53(ACCELERATOR LINKAGE)				1								
	5108388	+ ROD, 4-53 (ACCELERATOR LINKAGE)					1							
	5118951	JOINT, BALL 5/16"-24 4-53(12.9680)					1							
	103372	PIN, 3/32"X1/2" COTTER (12.9250)				3								
	120393	WASHER, 5/16" (12.9190)				3								
	120380	LOCKWASHER, 1/4" (12.9200)		2	2									
	121902	NUT, 1/4"-28 (12.9120)		2	2									
		+ OBSOLETE.												
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	3222760	LEVER, 2,3,4-53		1	1									
	5158432	LEVER, 6V53 (SHUT-OFF) (2.7170)											1	
	5183802	LEVER, 6V53 (2.7170)											1	
	5162848	BRACKET, LEVER 6V53											1	
	5110692	SPACER, 2,3,4-53 (3.3060)		1	1									
	454813	BOLT, 1/4"-20X7/8" (12.9001)											2	
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)		1	1									
	120380	LOCKWASHER, 1/4" (12.9200)		1	1								2	
	121902	NUT, 1/4"-28 (12.9120)		1	1									
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
	5119679	SPRING, 4-53 (2.7210)	1											
	5172502	EYE, 4-53 (2.9348)	1											
	5126560	CLIP (ACCELERATOR LINKAGE)				1								

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	569	572	578	579	580	582	583	586	595	602	603
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING (CONT'D)												
	186618	BOLT, 5/16"-18X5/8" (12.9001)				1								
	120380	LOCKWASHER, 1/4" (12.9200)	1											
	103320	LOCKWASHER, 5/16" (12.9200)				1								
	120375	NUT, 1/4"-20 (12.9120)	2											
	120376	NUT, 5/16"-18 (12.9120)				1								
		2.9406 - BRACKET, GOVERNOR CONTROL RETRACTING SPRING												
	5126987	BRACKET, 4-53	1											
	132264	SCREW, 1/4"-20X3/4" FIL. HD. (12.9010)	2											
	100002	BOLT, 1/4"-28X1" (LEVER STOP) (12.9001)	1											
	120380	LOCKWASHER, 1/4" (12.9200)	1											
	120613	NUT, 1/4"-28 (12.9120)	1											
		2.9410 - LEVER, GOVERNOR CONTROL												
	5173081	LEVER, 2,3,4-53		1	1									
	5123880	LEVER, 2,3,4-53						1				1		
	5123881	LEVER, 4-53												1
8C	180021	BOLT, 1/4"-20X7/8" (12.9001)						1				1		1
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)		1	1									
	120380	LOCKWASHER, 1/4" (12.9200)		1	1			1				1		1
	121902	NUT, 1/4"-28 (12.9120)		1	1									
		2.9422 - WIRE, GOVERNOR CONTROL												
8A	5146239	* WIRE ASSY., 2,3,4-53 (90" L.)							1	1				
8A	5146238	* WIRE ASSY., 2,3,4-53 (57" L.)										1		1
	5184255	PLATE, NAME 2,3,4-53								1		1		1
	110730	LOCKWASHER, 3/8" (12.9200)							1	1		1		1
	124925	NUT, 3/8"-24 (12.9120)							1	1		1		1
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.												
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
8A	5161464	PIN, SWIVEL 2,3,4-53						1		1	1	1		1
	5150941	WASHER, 2,3,4-53 (2.7310)						1		1	1	1		1
	142583	RETAINER, 13/64" SPRING (12.9640)						1		1	1	1		1
8A	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)						1		1	1	1		1

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2.9000A THROTTLE CONTROLS

2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 561	569	572	578	579	580	582	583	586	595	602	603
	5155782	CLIP (7.8320)								1		1		1
	5108383	+ BRACKET					1							
	3290569	CLIP (7.8320)						1		1	1	1		1
	123298	BOLT, 1/4"-28X3/8" (12.9001)						1		1	1	1		1
	120380	LOCKWASHER, 1/4" (12.9200)						1		1	1	1		1
	121902	NUT, 1/4"-28 (12.9120)						1		1	1	1		1

+ OBSOLETE

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	623	627	628	630	631	643	646	647	648	658
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER											
8A	**5109535**	BRACKET, 4-53					1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)					2						
	179796	BOLT, 1/4"-20X7/8" (12.9001)					2						
	103321	LOCKWASHER, 3/8" (12.9200)					2						
		2.9310 - SHAFT, THROTTLE CONTROL CROSS											
8A	**5109671**	SHAFT, 4-53					1						
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT											
8A	**5109534**	TUBE, 4-53					1						
8A	**5180116**	BOLT, (1/4"-20 "U") (2.9867)					2						
	120380	LOCKWASHER, 1/4" (12.9200)					2						
	120375	NUT, 1/4"-20 (12.9120)					2						
		2.9340 - LEVER, THROTTLE CONTROL CROSS SHAFT											
	5158432	LEVER, 4-53 (2.7170)					2						
	5113397	BUSHING, 4-53 (1/2"X5/8"X3/4") (2.9142)					2						
	103904	KEY, 3/32"X1/2" WOODRUFF (12.9350)					2						
	5167714	WASHER, 1/2" (1.7250)					2						
	103319	LOCKWASHER, 1/4" (12.9200)					2						
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING											
7E	**5123878**	BRACKET, 2,3,4-53							1				
	5126155	BRACKET, 6V53		1									
	5131693	BRACKET, 6V53									1		
	5164294	SPACER, 13/32"X7/8"X1/8" 6V53 (7.1581)									2		
7E	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)							1				
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)									2		
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)		2									
		2.9345 - LEVER, THROTTLE BOOSTER											
8A	**5128795**	LEVER, 6V53		1							1		
8A	**180021**	BOLT, 1/4"-20X7/8" (12.9001)		1							1		
	120380	LOCKWASHER, 1/4" (12.9200)		1							1		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	623	627	628	630	631	643	646	647	648	658
		2.9347 - SPRING, THROTTLE BOOSTER											
7E	**5125716**	SPRING, 2,3,4,6V53		1					1		1		
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING											
7E	**5123762**	EYE, 1/4"-20X4" 2,3,4,6V53		1					1		1		
7E	**120375**	NUT, 1/4"-20 (12.9120)		2					2		2		
		2.9349 - HANGER, THROTTLE BOOSTER SPRING											
7E	**5186749**	NUT, 5/8"L. 2,3,4,6V53 (SPRING HANGER)							1				
7E	**5171429**	NUT, 7/16"L. 6V53 (SPRING HANGER)		1							1		
7E	**5171045**	BOLT, 5/16"-2 2,3,4,6V53		1					1		1		
		2.9355 - SOLENOID, THROTTLE CONTROL											
	1119909	SOLENOID (24V-32V.) (7.4519)								1			
	01424	* SOLENOID (12V.)	1	1									
	5100004	EYE (2.9024)		1									
	1996097	* SWITCH, PUSH BUTTON (7.4115)	1	1						1			
	100001	BOLT, 1/4"-28X3/4" (12.9001)	2	2						2			
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)		1									
	120392	WASHER, 1/4" (12.9190)	2	2						2			
	120380	LOCKWASHER, 1/4" (12.9200)	2	2						2			
	121902	NUT, 1/4"-28 (12.9120)	2	2						2			
	114492	LOCKNUT, 1/4"-28 (12.9120)		1									
	114493	LOCKNUT, 5/16"-24 (2.7170)		1									
		* PROCURE FROM AC DELCO.											
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID											
	5162846	BRACKET, 6V53		1									
	5162847	BRACKET, 6V53	1							1			
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)	3	2						3			
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR						AR			
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR											
8A	**5109536**	ROD, 4-53 (19.70" L.) (CROSS SHAFT TO GOV.)					1						
	5109537	ROD, 4-53 (14.84" L.) (CROSS SHAFT TO ACCELERATOR)					1						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	623	627	628	630	631	643	646	647	648	658
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR (CONT'D)											
	5125840	LINK, 6V53	1							1			
8A	5118951	JOINT, BALL 5/16"-24 4-53 (12.9680)					4						
	103361	PIN, 1/16"X1/2" COTTER (12.9250)	1							1			
	5147345	PIN, 1/4" CLEVIS (12.9260)	1							1			
	120392	WASHER, 1/4" (12.9190)	1							1			
8A	103320	LOCKWASHER, 5/16" (12.9200)					4						
	114492	LOCKNUT, 1/4"-28 (12.9120)	2							2			
8A	114493	LOCKNUT, 5/16"-24 (2.7170)					4						
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT											
	5158432	LEVER, 6V53 (SHUT-OFF) (2.7170)		1									
	5183802	LEVER, 6V53 (2.7170)		1									
	5162848	BRACKET, LEVER 6V53		1									
	454813	BOLT, 1/4"-20X7/8" (12.9001)		2									
	120380	LOCKWASHER, 1/4" (12.9200)		AR									
		2.9410 - LEVER, GOVERNOR CONTROL											
	5123880	LEVER, 2,3,4-53							1				
	5131189	LEVER, 6V53	1							1			
	5132611	LEVER, 4-53						1				1	
	5158432	LEVER, 6V53 (2.7170)									1		
	180021	BOLT, 1/4"-20X7/8" (12.9001)	1				2	1	1	1	1	1	
	120392	WASHER, 1/4" (12.9190)						1				1	
	120380	LOCKWASHER, 1/4" (12.9200)	1				1		1	1	1		
	120375	NUT, 1/4"-20 (12.9120)						1				1	
		2.9422 - WIRE, GOVERNOR CONTROL											
8A	5146239	* WIRE ASSY., 2,3,4-53 (90"L.)							1				1
	5184255	PLATE, NAME 2,3,4-53							1				1
	110730	LOCKWASHER, 3/8" (12.9200)							1				1
	124925	NUT, 3/8"-24 (12.9120)							1				1
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.											
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL											
8A	5161464	PIN, SWIVEL 2,3,4-53							1				1
	120392	WASHER, 1/4" (12.9190)							1				1
	142583	RETAINER, 13/64" SPRING (12.9640)							1				1
8A	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)							1				1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	623	627	628	630	631	643	646	647	648	658
	2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
	3290569	CLIP (7.8320)							1				1
	123298	BOLT, 1/4"-28X3/8" (12.9001)							1				1
	120380	LOCKWASHER, 1/4" (12.9200)							1				1
	121902	NUT, 1/4"-28 (12.9120)							1				1
	2.9900 - LEVER, ACCELERATOR LINKAGE MT TRANSMISSION												
8C,D	**5130472**	LEVER, 4,6V53			1	1		1				1	
8C,D	**181309**	BOLT, 1/4"-28X1/2" (12.9001)			2	2		2				2	
8C,D	**120380**	LOCKWASHER, 1/4" (12.9200)			2	2		2				2	
	2.9910 - LEVER, TRANSMISSION ACCELERATOR CONTROL MT												
8C,D	**5130613**	LEVER, 4,6V53			1	1		1				1	
8D	**5130616**	SPACER, 4-53 (25/64"I.D.X.88"L.)						1				1	
8D	**181377**	BOLT, 3/8"-24X1 3/4" (12.9001)						1				1	
8D	**120394**	WASHER, 3/8" (12.9190)						1				1	
8D	**5130615**	WASHER, SPRING (17/32"I.D.X7/8" O.D.)						1				1	
	117049	NUT, 3/8"-24 (12.9120)						1				1	
	2.9915 - LEVER, GOVERNOR ACCELERATOR CONTROL MT TRANSMISSION												
	5130473	LEVER, 6V53			1	1							
8C	**5130470**	LEVER, 4-53						1				1	
8C,D	**5130614**	SPRING, 4,6V53 (.50"O.D.X1.21"L.)			1	1		1				1	
8C,D	**5131412**	SPRING, 4,6V53 (.33"O.D.X.927"L.) (INSIDE 5130614)			1	1		1				1	
8C	**271287**	FITTING, 1/4"-28 LUBE (12.9540)						1				1	
8D	**180021**	BOLT, 1/4"-20X7/8" (12.9001)			1	1							
8D	**120380**	LOCKWASHER, 1/4" (12.9200)			1	1							
	2.9920 - BRACKET, GOVERNOR AND TRANSMISSION CONTROL MT												
8C	**5130465**	BRACKET, 4-53 (L.H.)						1					
	5130466	BRACKET, 4-53 (R.H.)										1	
8C	**456390**	PIN, 1/4"X3/4" ROLL (12.9275)						1				1	
8C	**179824**	BOLT, 5/16"-18X1 3/4" (12.9001)						2				2	
8C	**103320**	LOCKWASHER, 5/16" (12.9200)						2				2	
	2.9930 - LINK, GOVERNOR ACCELERATOR CONTROL MT TRANSMISSION												
8C	**5125687**	LINK, 4-53						1					
	5125686	LINK, 4-53										1	
8C	**103320**	LOCKWASHER, 5/16" (12.9200)						2				2	
8C	**114493**	LOCKNUT, 5/16"-24 (2.7170)						2				2	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	623	627	628	630	631	643	646	647	648	658
		2.9940 - CABLE ASSY., TRANSMISSION CONTROL MT											
*	**5143275**	CABLE ASSY., 4-53 (45"L.)						1					
@*	**5130505**	& CABLE ASSY., 4,6V53 (58"L.)				1						1	
	5143276	% CABLE ASSY., 6V53 (58"L.)				1							
*	**5143277**	CABLE ASSY., 6V53 (66"L.)			1								
@	**5130681**	# CABLE ASSY., 6V53 (66"L.)			1								
8C,D	**193249**	CLEVIS, ADJUSTING, 1/4"-28 (12.9620)			2	2		2				2	
8C,D	**138083**	PIN, 1/4"X51/64" CLEVIS (12.9260)			2	2		2				2	
8C,D	**103362**	PIN, 1/16"X3/4" COTTER (12.9250)			2	2		2				2	
8C,D	**121902**	NUT, 1/4"-28 (12.9120)			2	2		2				2	
		@ FIG. 5B OF 9.0000.											
		* FIG. 4A OF 9.0000.											
		& THRU 6D-42311.											
		% EFFECTIVE WITH 6D-42312.											
		+ EFFECTIVE WITH 6D-50877.											
		# THRU 6D-50876.											
		2.9950 - CLIP, TRANSMISSION CABLE MT											
	5163538	CLIP (3/16" TUBE) (7.8320)			2	2		1				2	
	5179861	BRACKET, CLIP SUPPORT (7.3245)			1	1							
	5181325	BRACKET, CLIP SUPPORT (4.8042)						1					
	5178595	BRACKET, CLIP SUPPORT (2.5030)										2	
	186618	BOLT, 5/16"-18X5/8" (12.9001)										2	
	179816	BOLT, 5/16"-18X3/4" (12.9001)						1					
	106284	BOLT, 3/8"-24X5/8" (12.9001)			1	1							
	120393	WASHER, 5/16" (12.9190)						1					
	103320	LOCKWASHER, 5/16" (12.9200)						AR				AR	
	103321	LOCKWASHER, 3/8" (12.9200)			1	1							
	120376	NUT, 5/16"-18 (12.9120)						AR				AR	
	117049	NUT, 3/8"-24 (12.9120)			1	1							
		2.9960 - BRACKET, TRANSMISSION CABLE MT											
@*	**5130506**	BRACKET, 4,6V53 (MOUNTED ON TRANSMISSION)			1	1		1				1	
8D	**5130481**	BRACKET, 6V53 (MOUNTED ON GOVERNOR COVER)			1	1							
	5130482	BRACKET, 4-53 (L.H.)						1					
	5130554	BRACKET, 4-53 (R.H.)						1					
	5130553	BRACKET, 4-53 (L.H.)										1	

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2.9000A THROTTLE CONTROLS

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 613	623	627	628	630	631	643	646	647	648	658
		2.9960 - BRACKET, TRANSMISSION CABLE MT (CONT'D)											
	5130552	BRACKET, 4-53 (R.H.)										1	
	5113488	SPACER (5/16"X9/16"X5/16") (2.9410)			2	2		2				2	
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)			2	2							
	100001	BOLT, 1/4"-28X3/4" (12.9001)			1	1							
	5148437	BOLT, 5/16"-18X1" (WITH LOCKWASHER) (12.9001)			2	2		2				2	
	121902	NUT, 1/4"-28 (12.9120)			1	1							
		@ FIG 5B OF 9.0000.											
		* FIG. 4A OF 9.0000.											
		2.9970 - COVER, TRANSMISSION CABLE BRACKET MT											
@*	**5130507**	COVER, 4,6V53			1	1		1				1	
	180016	BOLT, 1/4"-20X1/2" (12.9001)			2	2		2				2	
	120380	LOCKWASHER, 1/4" (12.9200)			2	2		2				2	
	120375	NUT, 1/4"-20 (12.9120)			2	2		2				2	
		@ FIG. 5B OF 9.0000.											
		* FIG. 4A OF 9.0000.											

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 668	678	679	681	685	686	688	689	694	695	697	699
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE												
	5113377	WASHER, 2,3,4-53				1	1	1						
	5113378	PAD, 2,3,4-53				1	1	1						
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR												
	5132912	BRACKET, 4-53	1											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	1											
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)	2											
	5150568	WASHER, 7/16"X3/4" (COPPER) (2.4050)	1											
	103343	WASHER, 1/2" (12.9190)	1											
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER												
	5147417	BRACKET, 2-53 (2.9675) (SD-158)				1								
8A	5124616	BRACKET, 3,4-53					1	1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)				2	2	2						
	103321	LOCKWASHER, 3/8" (12.9200)				2	2	2						
		2.9306 - GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD												
	5175882	GASKET, 2,3,4-53 (4.4115)				2	2	2						
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5168212	SHAFT, 4-53 (11.75" L.)	1											
	5124863	SHAFT AND LEVER ASSY., 2-53				1								
	5121163	SHAFT AND LEVER ASSY., 3,4-53					1	1						
	5113359	SPACER, 2,3,4-53				1	1	1						
	5113358	SPRING, 2,3,4-53				1	1	1						
	122295	NUT, 1/2"-20 (12.9120)				2	2	2						
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT												
	5124862	TUBE, 2-53 (2.9310)				1								
8A	5121166	TUBE, 3,4-53 (2.9310)					1	1						
	5113397	BUSHING, 2,3,4-53 (2.9142)				2	2	2						
8A	5180116	BOLT, "U" (1/4"-20) (2.9867)				2	2	2						
	120380	LOCKWASHER, 1/4" (12.9200)				4	4	4						
	120375	NUT, 1/4"-20 (12.9120)				4	4	4						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 668	678	679	681	685	686	688	689	694	695	697	699
		2.9330 - COLLAR, THROTTLE CONTROL CROSS SHAFT												
	5164320	COLLAR, 3,4-53	1											
	139009	SCREW, SET 1/4"-28X1/4" (12.9076)	1											
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
7E	**5123878**	BRACKET, 2,3,4,6V53			1	1	1	1		1				
8A	**5134476**	BRACKET, 6V53										1	1	1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			1	1	1	1		1				
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)										2	2	2
		2.9345 - LEVER, THROTTLE BOOSTER												
8A	**5128795**	LEVER, 6V53										1	1	1
	454813	BOLT, 1/4"-20X7/8" (12.9001)										1	1	1
	120380	LOCKWASHER, 1/4" (12.9200)										1	1	1
		2.9347 - SPRING, THROTTLE BOOSTER												
8A	**5125716**	SPRING, 2,3,4,6,8V53			1									
7E	**5143344**	SPRING, 2,3,4-53				1	1	1		1				
8A	**5147421**	SPRING, 6V53										1	1	1
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
7E	**5123762**	EYE, 1/4"-20X4" 2,3,4,6V53			1	1	1	1		1				
8A	**5134051**	EYE, 3/8"-16X4" 6V53										1	1	1
	120375	NUT, 1/4"-20 (12.9120)			2	2	2	2		2				
	123221	NUT, 3/8"-16 (12.9120)										2	2	2
		2.9349 - HANGER, THROTTLE BOOSTER SPRING												
		A HANGER ASSY. INCLUDES ROLLER ASSY., STUD AND RETAINING RING AND ONE (1) WASHER IN 2.9349.												
7F	**5132944**	HANGER ASSY., 4,8V53								1				
7F	**5136604**	HANGER ASSY., 6V53										1	1	1
8A	**5186749**	NUT, 5/8"L.2,3,4,6V53(SPRING HANGER)				1	1	1						
7F	**5181264**	BUSHING, 4,8V53			1					1				
7F	**5134692**	BUSHING, 6V53										1	1	1
7F	**5132389**	ROLLER ASSY., 4,8V53 (INCLUDES BUSHING)			1					1				
7F	**5134694**	ROLLER ASSY., 6V53 (INCLUDES BUSHING)										1	1	1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 668	678	679	681	685	686	688	689	694	695	697	699
		2.9349 - HANGER, THROTTLE BOOSTER SPRING (CONT'D)												
	274676	RING, RETAINING (1.4650)			1					1		1	1	1
	5136605	STUD, ROLLER 6V53 (5/16"-24X1.43")										1	1	1
	5131981	STUD, ROLLER 4,8V53 (5/16"-24X1.46")			1					1				
	5171045	BOLT, 2,3,4-53 (5/16"-24X5/8")				1	1	1						
	106261	WASHER, 5/16" (12.9190)			2					2		2	2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)			1					1				
	5132934	NUT, 5/16"-24 LOCK										1		1
		2.9355 - SOLENOID, THROTTLE CONTROL												
	01424	* SOLENOID (12V.)		1									1	
	1119757	* SOLENOID (12V.)												1
	1119909	* SOLENOID (24V.-32V.) (7.4519)		1									1	1
	1996097	* SWITCH, PUSH BUTTON (7.4115)		1									1	1
	5100004	EYE, ROD END											2	2
	100001	BOLT, 1/4"-28X3/4" (12.9001)		2									1	1
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)											2	2
	120392	WASHER, 1/4" (12.9190)		2									AR	AR
	120380	LOCKWASHER, 1/4" (12.9200)		AR									2	2
	121902	NUT, 1/4"-28 (12.9120)		2									1	1
	114492	LOCKNUT, 1/4"-28 LOCK (12.9120)											1	1
	114493	LOCKNUT, 5/16"-24 (2.7170)												
		* PROCURE FROM AC DELCO.												
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5134337	+ BRACKET, 6V53		1										
	5162846	BRACKET, 6V53											1	1
	5162848	BRACKET, SUPPORT 6V53											1	1
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)		3									2	2
	103319	LOCKWASHER, 1/4" (12.9200)		AR									AR	AR
		+ OBSOLETE.												
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR												
	5124614	ROD ASSY., 2,3,4-53 (2.9720)				1	1	1						
	5125156	ROD, 4-53 (7 5/16"L.)	1											
	5125840	LINK, 6V53		1										
	5118951	JOINT, BALL 5/16"-24 4-53 (12.9680)	2											
	103361	PIN, 1/16"X1/2" COTTER (12.9250)		1										
	5147345	PIN, 1/4" CLEVIS (12.9260)		1										
	120392	WASHER, 1/4" (12.9190)		2										
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR	AR						
	114492	LOCKNUT, 1/4"-28 (12.9120)		2										
	114493	LOCKNUT, 5/16"-24 (2.7170)	2			2	2	2						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 668	678	679	681	685	686	688	689	694	695	697	699
	2.9390 - LEVER, GOVERNOR CONTROL SHAFT													
	5147640	LEVER, 2,3,4-53 (2.9290)				1	1	1						
	5158432	LEVER, 4-53 (2.7170)								1				
	5164320	COLLAR, 4-53 (2.9330)								1				
	454813	BOLT, 1/4"-20X7/8" (12.9001)				1	1	1		1				
	120380	LOCKWASHER, 1/4" (12.9200)				AR	AR	AR		AR				
	2.9410 - LEVER, GOVERNOR CONTROL													
	5129227	LEVER, 4-53	1											
	5132738	LEVER, 4-53	1											
7D	**5158432**	LEVER, 4,6V53	2									1	1	1
	5131189	LEVER, 4,6V53		1										
7D	**5123880**	LEVER, 4-53			1									
	5124615	LEVER, 2,3,4-53				1	1	1						
	5132981	LEVER, 4-53								1				
	5183802	LEVER, 6V53 (2.7170)											1	1
	454813	BOLT, 1/4"-20X7/8" (12.9001)	AR	AR	AR	AR	AR	AR		AR		AR	AR	AR
	120380	LOCKWASHER, 1/4" (12.9200)		AR	AR	AR	AR	AR		AR		AR	AR	AR
	2.9422 - WIRE, GOVERNOR CONTROL													
8A	**5146241**	* WIRE ASSY., 2,3,4-53 (90" L.) (VINYL COVER) (3.3250)				1		1	1					
8A	**5146238**	* WIRE ASSY., 4-53 (50" L.) (3.3250)					1				1			
	5184255	PLATE, NAME 2,3,4-53				1	1	1	1		1			
	110730	LOCKWASHER, 3/8" (12.9200)				1	1	1	1		1			
	124925	NUT, 3/8"-24 (12.9120)				1	1	1	1		1			
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.												
	2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL													
8A	**5161464**	PIN, SWIVEL 2,3,4-53				1	1	1	1		1			
	120392	WASHER, 1/4" (12.9190)				1	1	1	1		1			
	142583	RETAINER, 13/64" SPRING (12.9640)				1	1	1	1		1			
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)				1	1	1	1		1			
	5150941	WASHER, 35/64" (2.7310)				1								

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 668	678	679	681	685	686	688	689	694	695	697	699
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
	5155782	CLIP (7.8320)									1			
8A	**5159738**	CLIP (7.8329)					1	1	1					
8A	**3290569**	CLIP (7.8320)				1	1	1	1		1			
	123298	BOLT, 1/4"-28X3/8" (12.9001)				1	1	1	1		1			
	179833	BOLT, 3/8"-16X1/2" (12.9001)				1	1	1						
	120393	WASHER, 5/16" (12.9190)				1	1	1	1					
	120380	LOCKWASHER, 1/4" (12.9200)				1	1	1	1		1			
	103321	LOCKWASHER, 3/8" (12.9200)				1	1	1						
	121902	NUT, 1/4"-28 (12.9120)				1	1	1	1		1			
		2.9859 - VALVE, AIR CYLINDER CONTROL												
	2467737	VALVE, 4-53 (ELECTRIC) (12V., N.O.) (2.9355)	1											
	5297567	PLUG ASSY. (2.9355)	1											
	5295630	CLAMP ASSY. (2.9355)	1											
		2.9860 - CYLINDER ASSY., THROTTLE CONTROL AIR												
	2425891	CYLINDER, 4-53	1											
	5132737	BRACKET, AIR CYLINDER 4-53	1											
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)	3											
	187828	BOLT, #10-32X1/2" HEX. SOC. HD. (12.9027)	2											
	120217	LOCKWASHER, #10 MED. (12.9200)	2											

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 704	705	712	713	714	716	718	719	723	730	732
		2.9280 - ROD AND CLEVIS ASSY., THROTTLE CONTROL											
	5137176	ROD ASSY., 6V53 (OUTPUT SHAFT GOVERNOR)							1				
	5137857	ROD ASSY., 4-53 (OUTPUT SHAFT GOVERNOR)								1			
	5123245	CLAMP, SWIVEL 6V53							1				
	5123888	CLAMP, SWIVEL 4-53								1			
	5118951	CLAMP, SWIVEL L.H. INTL. THD. 4-53								1			
	103362	PIN, 1/16"X3/4" COTTER (12.9250)							1				
	103495	PIN, 5/16" CLEVIS (12.9160)							1				
	214269	SCREW, 1/4"-28X1" FL. HD.							1				
	120380	LOCKWASHER, 1/4" (12.9200)							1				
	103320	LOCKWASHER, 5/16" (12.9200)							1	2			
	120613	NUT, JAM 1/4"-28 (12.9120)							1				
	114493	LOCKNUT, 5/16"-24 (2.7170)							1	3			
	121928	NUT, 5/16"-24 L.H. CAD. (12.9120)								1			
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER											
8A	**5124616**	BRACKET, 3,4-53					1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)					2						
	103321	LOCKWASHER, 3/8" (12.9200)					2						
	103341	WASHER, 3/8" (12.9190)					2						
		2.9306 - GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD											
	5175882	GASKET, 2,3,4-53 (4.4115)					4						
		2.9310 - SHAFT, THROTTLE CONTROL CROSS											
	5140121	SHAFT, 4-53 (19.12" L.)					1						
	116095	WASHER, 1/2" BRASS (12.9190)					2						
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT											
	5140120	TUBE, 4-53 (2.9310)					1						
	271287	FITTING, LUBE (1/4"-28) (12.9540)					1						
	5180116	BOLT, "U" (1/4"-20) (2.9867)					2						
	5169866	WASHER, 17/64" COPPER (2.8810)					2						
	120380	LOCKWASHER, 1/4" (12.9200)					4						
	120375	NUT, 1/4"-20 (12.9120)					4						

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 704	705	712	713	714	716	718	719	723	730	732
		2.9330 - COLLAR, THROTTLE CONTROL CROSS SHAFT											
	5164320	COLLAR, 3,4-53											1
	139009	SCREW, SET 1/4"-28X1/4" (12.9076)											1
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING											
7E	**5123878**	BRACKET, 2,3,4,6V53				1							
8A	**5134476**	BRACKET, 6V53										1	
	5134671	+ BRACKET, 8V53			1								
	5139417	BRACKET, 8V53						1					
7E	**5123879**	BRACKET, L.H. 3-53											1
7E	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)				1							1
	5136459	BOLT (3/8"-16X4 1/4")			2			2					
8A	**189330**	BOLT, 3/8"-24X3 3/4" (12.9001)										2	
	103321	LOCKWASHER, 3/8" (12.9200)						2					
	123221	NUT, 3/8"-16 (12.9120)			2			2					
		+ OBSOLETE.											
		2.9345 - LEVER, THROTTLE BOOSTER											
8A	**5128795**	LEVER, 6V53										1	
	454813	BOLT, 1/4"-20X7/8" (12.9001)										1	
	120380	LOCKWASHER, 1/4" (12.9200)										1	
		2.9347 - SPRING, THROTTLE BOOSTER											
8A	**5125716**	SPRING, 2,3,4,6,8V53										1	1
7E	**5143344**	SPRING, 2,3,4-53				1							
	5140451	SPRING, 8V53			1			1					
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING											
7E	**5123762**	EYE, 1/4"-20X4" 2,3,4,6V53				1							1
8A	**5134051**	EYE, 3/8"-16X4" 6V53										1	
	5140548	EYE, 3/8"-16X11.00" 8V53			1			1					2
7E	**120375**	NUT, 1/4"-20 (12.9120)				2							
8A	**123221**	NUT, 3/8"-16 (12.9120)			2			2				2	
		2.9349 - HANGER, THROTTLE BOOSTER SPRING											
		A HANGER ASSY. INCLUDES ROLLER ASSY., STUD AND RETAINING RING AND ONE (1) WASHER IN 2.9349.											
7F	**5132944**	HANGER ASSY., 4,8V53			1			1					
8A	**5186749**	NUT, 5/8" L. 2,3,4,6V53 (SPRING HANGER)				1							1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 704	705	712	713	714	716	718	719	723	730	732
		2.9349 - HANGER, THROTTLE BOOSTER SPRING (CONT'D)											
7F	**5132389**	ROLLER ASSY., 4,8V53 (INCLUDES BUSHING)			1			1					
7F	**274676**	RING, RETAINING (1.4650)			1			1					
	5131981	STUD, ROLLER (5/16"-24X1.46")			1			1					
7F	**5181264**	BUSHING			1			1					
	5171045	BOLT, 5/16"-24X5/8"				1						1	1
	106261	WASHER, 5/16" (12.9190)			2			2					
	114493	LOCKNUT, 5/16"-24 (2.7170)			1								
	122002	NUT, 5/16"-24 (12.9120)						1					
		2.9355 - SOLENOID, THROTTLE CONTROL											
7D	**1118128**	* SOLENOID (12V.)		1							1		
7D	**1118191**	* SOLENOID (24V.-32V.) (7.4519)						1					
	1996097	* SWITCH, PUSH BUTTON (7.4115)									1		
	5112299	BRACKET, STOP		1									
7D	**100001**	BOLT, 1/4"-28X3/4" (12.9001)		4				4			4		
	5124846	BOLT, LATCH (3.3110)		1									
	120392	WASHER, 1/4" (12.9190)		1				4			4		
	120380	LOCKWASHER, 1/4" (12.9200)		AR				AR			AR		
	121902	NUT, 1/4"-28 (12.9120)		4				4			4		
	114492	NUT, 1/4"-28 LOCK (12.9120)		3									
		* PROCURE FROM AC DELCO.											
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID											
7D	**5136814**	BRACKET, 6V53									1		
	5136455	PLATE, 4-53		1									
D	**132268**	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)									4		
	271468	BOLT, 1/4"-20X3/4" WITH LOCKWASHER (12.9001)		4									
7D	**103319**	LOCKWASHER, 1/4" (12.9200)									AR		
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR											
	5124942	ROD ASSY., 4-53 (2.9720)					1						
	5112299	LINK, 6V53									1		
	103320	LOCKWASHER, 5/16" (12.9200)					AR						
	114493	LOCKNUT, 5/16"-24 (2.7170)					2						
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT											
	5158432	LEVER, 4-53 (2.7170)					1						
	5164318	LEVER, 4-53 (2.9340)					1						
	5128795	LEVER, 3-53											1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 704	705	712	713	714	716	718	719	723	730	732
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT (CONT'D)											
	5150130	PLUG, 5/16" (1.1001)							1				
	454813	BOLT, 1/4"-20X7/8" (12.9001)					2						1
	120380	LOCKWASHER, 1/4" (12.9200)					AR						AR
		2.9400 - LINK, GOVERNOR CONTROL SHAFT LEVER											
	5136778	LINK, 8V53						1					
	2090270	COUPLING, 8V53						1					
	103361	PIN, 1/16"X1/2" COTTER (12.9250)						1			1		
	5147345	PIN, 1/4" CLEVIS (12.9260)									1		
	120392	WASHER, 1/4" FLAT (12.9190)									2		
	121912	NUT, 1/4"-28 L.H. (12.9120)						1					
	121161	NUT, JAM. 1/4"-28 (12.9120)									2		
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING											
	5156530	SPRING, 8V53						1					
	5119679	SPRING, 3,4-53 (2.7210)							1	1			
	5109000	CLIP (4.6040)						1					
	5172502	EYE (2.9348)							1	1			
	120392	WASHER, 1/4" (12.9190)						1					
	120380	LOCKWASHER, 1/4" (12.9200)							1				
	120375	NUT, 1/4"-20 (12.9120)							2	2			
	121902	NUT, 1/4"-28 (12.9120)						1					
		2.9406 - BRACKET, GOVERNOR CONTROL RETRACTING SPRING											
	5137178	BRACKET, 6V53							1				
	5126987	BRACKET, 4-53 (2.9405)								1			
	271468	SCREW & LOCKWASHER ASSY., (1/4"-20X3/4") (12.9010)								2			
	132273	SCREW, 1/4"-2/X1" FIL. HD. (12.9010)							2				
	100002	BOLT, 1/4"-28X1" (12.9001)								1			
	120380	LOCKWASHER, 1/4" (12.9200)							2	1			
	120613	NUT, JAM. 1/4"-28 (12.9120)								1			
		2.9410 - LEVER, GOVERNOR CONTROL											
	5131189	LEVER, 4,6V53		1							1		
	5123880	LEVER, 4,8V53	1		1			1					
	5132981	LEVER, 4-53				1							
	5158432	LEVER, 4-53				1							
	5136918	LEVER, 8V53						1					

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 704	705	712	713	714	716	718	719	723	730	732
		2.9410 - LEVER, GOVERNOR CONTROL (CONT'D)											
	5137123	LEVER, 6V53										1	
	454813	BOLT, 1/4"-20X7/8" (12.9001)	AR	AR	AR	AR		AR			AR	AR	
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR			AR				AR	
		2.9422 - WIRE, GOVERNOR CONTROL											
8A	**5146241**	* WIRE ASSY., 2,3,4-53 (90" L.) (VINYL COVER)											1
8A	**5146238**	* WIRE ASSY., 4-53 (50" L.) (3.3250)	1			1							
	5184255	PLATE, NAME 2,3,4-53	1			1							1
	110730	LOCKWASHER, 3/8" (12.9200)	1			1							1
	124925	NUT, 3/8"-24 (12.9120)	1			1							1
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.											
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL											
8A	**5161464**	PIN, SWIVEL 2,3,4-53	1			1							1
	120392	WASHER, 1/4" (12.9190)	1										1
	142583	RETAINER, 13/64" SPRING (12.9640)	1			1							1
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)	1			1							1
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE											
8A	**3290569**	CLIP (7.8320)	1			1							1
	123298	BOLT, 1/4"-28X3/8" (12.9001)	1			1							1
	120380	LOCKWASHER, 1/4" (12.9200)	1			1							1
	121902	NUT, 1/4"-28 (12.9120)	1			1							1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	753	758	766	767	773	779	785	790	791	792	796
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE												
	5113377	WASHER, 2,6V53											1	
		2.9220 - BRACKET, GOVERNOR CONTROL SHAFT REAR												
	5134056	BRACKET, 3-53 (UPPER)								1				
	5140407	BRACKET, 3-53 (LOWER)								1				
	108629	PIN, 3/32"X7/8" COTTER (12.9250)								1				
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)								2				
	103342	WASHER, 7/16" (12.9190)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								22				
		2.9310 - SHAFT, THROTTLE CONTROL CROSS												
	5124863	SHAFT, 2-53											1	
	5113858	SHAFT, 2,3-53											1	
	5113359	SPACER, 2,6V53											1	
	122295	NUT, 1/2"-20 (12.9120)											2	
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT												
	5124862	TUBE, 2-53											1	
	5180116	BOLT, 1/4"-20 "U" (2.9867)											2	
	120380	LOCKWASHER, 1/4" (12.9200)											4	
	120375	NUT, 1/4"-20 (12.9120)											4	
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING												
7E	**5123878**	BRACKET, 2,3-53	1											
	5139417	BRACKET, 8V53		1										
	5139353	BRACKET, 6V53			1									
8A	**5134476**	BRACKET, 6V53				1		1						
7E	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)	1											
8A	**5136459**	BOLT, 3/8"-16X4 1/4" (12.9001)		2										
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)			2	2		2						
	103321	LOCKWASHER, 3/8" (12.9200)		2										
	123221	NUT, 3/8"-16 (12.9120)		2										
		2.9345 - LEVER, THROTTLE BOOSTER												
8A	**5128795**	LEVER, 6V53			1	1	1							
8A	**454813**	BOLT, 1/4"-20X7/8" (12.9001)			1	1	1							
8A	**120380**	LOCKWASHER, 1/4" (12.9200)			1	1	1							

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7400	7533	7583	7666	7667	7733	7779	7855	7900	7911	7922	7936
		2.9347 - SPRING, THROTTLE BOOSTER												
7E	**5143344**	SPRING, 2,3-53	1										1	
	5140451	SPRING, 8V53		1										
8A	**5147421**	SPRING, 6V53			1		1							
	5125716	SPRING, 4,6V53				1								
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
7E	**5123762**	EYE, 1/4"-20X4" 2,3,4-53	1											
	5140548	EYE, 3/8"-16X13" 8V53		1										
8A	**5134051**	EYE, 3/8"-16X4" 6V53			1	1		1						
	120375	NUT, 1/4"-20 (12.9120)	2											
	123221	NUT, 3/8"-16 (12.9120)		2	2	2		2						
		2.9349 - HANGER, THROTTLE BOOSTER SPRING												
		A HANGER ASSY. INCLUDES STUD, ROLLER ASSY., RING AND (1) WASHER IN 2.9349.												
	5186749	HANGER, 3,4-53	1											
	5171429	HANGER, 6V53				1								
7F	**5132944**	HANGER ASSY., 2,8V53	1											
7F	**5136604**	HANGER ASSY., 6V53			1			1						
7F	**5132389**	ROLLER ASSY., 2,8V53 (INCLUDES BUSHING)		1										
7F	**5134694**	ROLLER ASSY., 6V53 (INCLUDES BUSHING)			1			1						
7F	**5181264**	BUSHING, 2, 8V53		1										
7F	**5134692**	BUSHING, 6V53			1			1						
7F	**274676**	RING, RETAINING (1.4650)		1	1			1						
	5136605	STUD, ROLLER (5/16"-24X1.43")			1			1						
	5131981	STUD, ROLLER (5/16"-24X1.46")		1										
	5171045	BOLT, 5/16"-24X5/8" (1/8" HD.)	1			1								
	106261	WASHER, 5/16" (12.9190)		1	1			1						
	122002	NUT, 5/16"-24 (12.9120)		1										
	5132934	NUT, 5/16"-24 LOCK									1			
		2.9355 - SOLENOID, THROTTLE CONTROL												
7D	**1118128**	* SOLENOID (12V.)		1				1	1			1		
7D	**1118191**	* SOLENOID (24V., 32V.) (7.4519)					1				1			
	1996097	* SWITCH, PUSH BUTTON (7.4115)						1	1		1			
7D	**5100004**	EYE, ROD END						1						
7D	**123450**	BOLT, 1/4"-28X3/4" (12.9001)		4			4	4	4		4	4		
7D	**181596**	BOLT, 5/16"-24X7/8" (12.9001)						1						
7D	**120392**	WASHER, 1/4" (12.9190)		4			5	8	8		8	4		
7D	**120380**	LOCKWASHER, 1/4" (12.9200)		AR			AR	AR	AR		AR	AR		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	753	758	766	767	773	779	785	790	791	792	796
		2.9355 - SOLENOID, THROTTLE CONTROL (CONT'D)												
7D	121902	NUT, 1/4"-28 (12.9120)		4			4	4	4		4	4		
7D	120613	NUT, 1/4"-28 JAM. (12.9120)					2	1						
7D	114493	LOCKNUT, 5/16"-24 (2.7170) * PROCURE FROM AC DELCO.						1						
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5138696	BRACKET, 8V53					1							
7D	5138707	BRACKET, 6V53						1						
7D	5136814	BRACKET, 6V53							1					
7D	5138700	BRACKET, 6V53									1			
	5136455	PLATE, 4-53										1		
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)					3							
	180021	BOLT, 1/4"-20X7/8" (12.9001)						3	4		5	3		
	445566	BOLT, 1/4"-20X7/8" (12.9001)						1						
	120380	LOCKWASHER, 1/4" (12.9200)					AR		AR		AR			
	103319	LOCKWASHER, 1/4" (12.9200)						1						
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR												
	5136238	SHAFT, 3-53								1				
	5126558	ROD, 3-53								1				
	5125686	LINK,2-53											1	
	103373	PIN, 3/32"X3/4" COTTER (12.9250)								2				
	120393	WASHER, 5/16" (12.9190)								2				
	103320	LOCKWASHER, 5/16" (12.9200)											2	
	114493	LOCKNUT, 5/16"-24 (2.7170)											2	
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	5136918	LEVER, 8V53		1										
	5183802	LEVER, 6V53						1						
		2.9400 - LINK, GOVERNOR CONTROL SHAFT LEVER												
	5136778	LINK, 8V53		1										
	5138687	LINK, 4,6,8V53					1		1		1	1		
	2090270	COUPLING, 8V53		1										
	103361	PIN, 1/16"X1/2" COTTER (12.9250)		1										
	123435	BOLT, 1/4"-28X5/8" (12.9001)					1		1		1	1		
	120392	WASHER, 1/4" (12.9190)							1		1	1		
	120380	LOCKWASHER, 1/4" (12.9200)							1		1	1		
	121912	NUT, 1/4"-28 L.H. (12.9120)		1										
	120613	NUT, 1/4"-28 JAM (12.9120)					1		3		3	3		

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2.9000A THROTTLE CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	753	758	766	767	773	779	785	790	791	792	796
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
	5156530	SPRING, 8V53		1										
	5169235	CLIP		2										
	5108381	CLIP						1						
	186647	BOLT, 1/4"-20X1" (12.9001)						1						
	120392	WASHER, 1/4" (12.9190)		1										
	120380	LOCKWASHER, 1/4" (12.9200)						1						
	121902	NUT, 1/4"-28 (12.9120)		1										
		2.9406 - BRACKET, GOVERNOR CONTROL RETRACTING SPRING												
	5136177	BRACKET, 3-53								1				
		2.9410 - LEVER, GOVERNOR CONTROL												
7E	5124615	LEVER, 3-53	1											
	5123880	LEVER, 2,8V53		1										
	5158432	LEVER, 6V53			1			1						
	5125381	@ LEVER, 6V53 (2.7740)				1								
	5138525	LEVER, 4,6,8V53					1		1		1	1		
	5147640	LEVER, 2,6V53											1	
	454813	BOLT, 1/4"-20X7/8" (12.9001)	1	1	1		1	1		1	1	1		
	120380	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR	AR		AR	AR		AR		AR	
		@ OBSOLETE.												
		2.9422 - WIRE, GOVERNOR CONTROL												
	5146238	* WIRE ASSY., 2,3,6V53 (50") (3.3250)											1	
	3796374	GUIDE, 2,4-53 (2.9426)											1	
	5184255	PLATE, NAME 2,3,4,6V53											1	1
	140855	SCREW SET, #8-32X5/16" (12.9076)											1	
	110730	LOCKWASHER, 3/8" (12.9200)											1	
	124925	NUT, 3/8"-24 (12.9120)											1	
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.												
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
	5161464	PIN, 2,3,6V53												1
	142583	RETAINER, 13/64" (SPRING) (12.9640)												1
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)												1
	120392	WASHER, 1/4" (12.9190)												1

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2.9000A THROTTLE CONTROLS

2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	753	758	766	767	773	779	785	790	791	792	796
	5155782	CLIP (7.8320)											2	
	5159738	CLIP (3/16" TUBE) (7.8329)												2
	3290569	CLIP (AT WIRE END) (7.8320)												1
	5155782	CLIP (7.8320)										1	1	
	132830	SCREW, #10-24X3/8" (12.9025)											1	
	120687	BOLT, #10-24X1 1/2" (12.9025)											1	
	123298	BOLT, 1/4"-28X3/8" (12.9001)												1
	179833	BOLT, 3/8"-16X1/2" (12.9001)												1
	120217	LOCKWASHER, #10 (12.9200)											2	
	120380	LOCKWASHER, 1/4" (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)												1
	110633	NUT, #10-24 (12.9120)											1	
	121902	NUT, 1/4"-28 (12.9120)												1

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2.9000A THROTTLE CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 805	806	808	821	822	826	827	831	836	837	838	839
	2.9105	**- WASHER, THROTTLE CONTROL TUBE BRAKE**												
	5113377	WASHER, 2,6V53						1						
	2.9305	**- BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER**												
8A	**5124616**	BRACKET, 3-53					1							
	5143180	BRACKET, 6V53 (RIGHT SIDE)						1						
	5143181	BRACKET, 6V53 (LEFT SIDE)						1						
8A	**179838**	BOLT, 3/8"-16X7/8" (12.9001)					4							
	186627	BOLT, 3/8"-24X1" (12.9001)						4						
	103341	WASHER, 3/8" (12.9190)						4						
	103321	LOCKWASHER, 3/8" (12.9200)					2	4						
	117049	NUT, 3/8"-24 (12.9120)						4						
	2.9306	**- GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD**												
	5175882	GASKET, 3-53 (4.4115)					2							
	2.9310	**- SHAFT, THROTTLE CONTROL CROSS**												
	5113858	SHAFT, 2,3-53					1	1						
8A	**5121163**	SHAFT & LEVER ASSY., 6V53						1						
	5113359	SPACER, 2,6V53						1						
	122295	NUT, 1/2"-20 (12.9120)						2						
	2.9312	**- TUBE, THROTTLE CONTROL CROSS SHAFT**												
	5121166	TUBE, 6V53 (2.9310)						1						
	5113378	PAD, THROTTLE CONTROL 6V53						1						
	5113397	BUSHING, 6V53 (2.9142)						2						
	5180116	*BOLT, 1/4"-20 "U" (2.9867)*						2						
	120380	LOCKWASHER, 1/4" (12.9200)						4						
	120375	NUT, 1/4"-20 (12.9120)						4						
	2.9344	**- BRACKET, THROTTLE BOOSTER SPRING**												
	5123878	BRACKET, 2,3-53					1				1			
	5123879	BRACKET, 4-53										1		
	5134476	BRACKET, 6V53			1			1					1	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					1				1		1	
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)			2			2					2	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 805	806	808	821	822	826	827	831	836	837	838	839
		2.9345 - LEVER, THROTTLE BOOSTER												
	5128795	LEVER, 6V53		1	1	1		1					1	
	454813	BOLT, 1/4"-20X7/8" (12.9001)		1	1	1		1					1	
	120380	LOCKWASHER, 1/4" (12.9200)		1	1	1		1					1	
		2.9347 - SPRING, THROTTLE BOOSTER												
7E	**5143344**	SPRING, 2,3-53		1			1				1	1		
8A	**5147421**	SPRING, 6V53			1	1								
8A	**5125716**	SPRING, 4,6V53						1					1	
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING												
7E	**5123762**	EYE, 1/4"-20X4" 2,3,4-53					1				1	1		
8A	**5134051**	EYE, 3/8"-16X4" 6V53		1	1	1		1					1	
	120375	NUT, 1/4"-20 (12.9120)					2				2	2		
	123221	NUT, 3/8"-16 (12.9120)		2	2	2		2					2	
		2.9349 - HANGER, THROTTLE BOOSTER SPRING												
		A HANGER ASSY. INCLUDES STUD, ROLLER ASSY., RING AND (1) WASHER IN 2.9349.												
	5186749	HANGER, 3,4-53					1					1		
	5171429	HANGER, 6V53		1				1					1	
7F	**5132944**	HANGER ASSY., 2,8V53									1			
7F	**5136604**	HANGER ASSY., 6V53			1	1								
	5132389	ROLLER ASSY., 2,8V53 (INCLUDES BUSHING)									1			
7F	**274676**	RING, RETAINING (1.4650)									1			
	5131981	STUD, ROLLER (5/16"-24X1.46")									1			
7F	**5181264**	BUSHING, 2, 8V53									1			
	5171045	BOLT, 5/16"-24X5/8" (1/8" HD.)		1			1	1				1	1	
	106261	WASHER, 5/16" (12.9190)									1			
	5132934	LOCKNUT, 5/16"-24			1	1								
	114493	LOCKNUT, 5/16"-24 (2.7170)									1			
		2.9355 - SOLENOID, THROTTLE CONTROL												
7D	**1118128**	* SOLENOID (12V.)	1			1						1		
7D	**1118191**	* SOLENOID (24V., 32V.) (7.4519)			1									
	1996097	* SWITCH, PUSH BUTTON (7.4115)			1	1								
7D	**5100004**	EYE, ROD END			1	1						1		
7D	**123450**	BOLT, 1/4"-28X3/4" (12.9001)	4		4	4								
7D	**100001**	BOLT, 1/4"—28X3/4" (12.9001)										4		
	181596	BOLT, 5/16"-24X7/8" (12.9001)			1	1								
	186654	BOLT, 5/16"—24X1 1/8" (12.9001)										1		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 805	806	808	821	822	826	827	831	836	837	838	839
		2.9355 - SOLENOID, THROTTLE CONTROL (CONT'D)												
	120392	WASHER, 1/4" (12.9190)	5		4	8						4		
	120380	LOCKWASHER, 1/4" (12.9200)	AR		AR	AR								
	103319	LOCKWASHER, 1/4" (12.9200)										4		
	121902	NUT, 1/4"-28 (12.9120)	4		4	4						4		
	120613	NUT, 1/4"-28 JAM. (12.9120)	2		1	1						1		
	114493	LOCKNUT, 5/16"-24 (2.7170)			1	1						1		
		* PROCURE FROM AC DELCO.												
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID												
	5138696	BRACKET, 8V53	1											
7D	5138707	BRACKET, 6V53			1	1								
	5138690	BRACKET, 4-53										1		
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)				3								
	180021	BOLT, 1/4"-20X7/8" (12.9001)	3		3							3		
	5104604	BOLT, 1/4"-20X1 1/4" (12.8001)			1									
	120380	LOCKWASHER, 1/4" (12.9200)	AR		AR	AR								
	103319	LOCKWASHER, 1/4" (12.9200)			2							3		
		2.9362 - SHAFT, GOVERNOR CONTROL-REAR OF ENGINE TO GOVERNOR												
	5173995	SHAFT, 6V53						1						
	5118951	JOINT, BALL 5/10"-24 6V53 (12.9680)						2						
	103320	LOCKWASHER, 5/16" (12.9200)						2						
	114493	LOCKNUT, 5/16"-24 (2.7170)						4						
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT												
	5183802	LEVER, 6V53			1	1								
	5158432	LEVER, 6V53						1						
	179796	BOLT, 1/4"-20X7/8" (12.9001)						1						
	120380	LOCKWASHER, 1/4" (12.9200)						1						
		2.9400 - LINK, GOVERNOR CONTROL SHAFT LEVER												
	5138687	LINK, 4,6,8V53	1											
	123435	BOLT, 1/4"-28X5/8" (12.9001)	1											
	120613	NUT, 1/4"-28 JAM (12.9120)	1											
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING												
	5145125	SPRING, 4-53 (R.H.)										1		
	5108381	CLIP			1	1								
	186647	BOLT, 1/4"-20X1" (12.9001)			1	1								
	120380	LOCKWASHER, 1/4" (12.9200)			1	1								

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 805	806	808	821	822	826	827	831	836	837	838	839
		2.9410 - LEVER, GOVERNOR CONTROL												
	5124615	LEVER, 3-53					1							
	5123880	LEVER, 2,8V53									1			
	5158432	LEVER, 6V53			1	1							1	
	5138525	LEVER, 4,6,8V53	1											
	5147640	LEVER, 2,6V53						1						
	5123881	LEVER, 3,4-53							1			1		
	5138526	LEVER, 4-53 (2.8975)										1		
	179796	BOLT, 1/4"—20X7/8" (12.9001)										1		
	454813	BOLT, 1/4"-20X7/8" (12.9001)	1		1	1		1	1		1		1	
	120380	LOCKWASHER, 1/4" (12.9200)			AR	AR		AR	AR		AR		AR	
	103319	LOCKWASHER, 1/4" (12.9200)										1		
		2.9422 - WIRE, GOVERNOR CONTROL												
	5146238	* WIRE ASSY., 2,3,6V53 (50") (3.3250)						1	1		1			
	5146239	* WIRE ASSY., 3,4-53 (90" L.)											1	1
	3796374	GUIDE, 2,4-53 (2.9426)												1
	5184255	PLATE, NAME 2,3,4,6V53					1	1	1		1		1	1
	140855	SCREW SET, #8-32X5/16" (12.9076)												1
	110730	LOCKWASHER, 3/8" (12.9200)					1	1	1		1		1	1
	124925	NUT, 3/8"-24 (12.9120)					1	1	1		1		1	1
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.												
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL												
	5161464	PIN					1	1	1		1		1	
	142583	RETAINER, 13/64" (SPRING) (12.9640)					1	1	1		1		1	
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)					1	1	1		1		1	
	120392	WASHER, 1/4" (12.9190)					1	1	1					
	120393	WASHER, 5/16" (12.9190)					1							
	5150941	WASHER, 21/64" (2.7310)									1		1	
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE												
	5155782	CLIP (7.8320)										1		2
	3290569	CLIP (AT WIRE END) (7.8320)					1	1	1		1		1	
	132830	SCREW, #10-24X3/8" (12.9025)												1
	5163503	BRACKET (4.3050)						1						
	120687	BOLT, #10-24X1 1/2" (12.9025)												1
	123298	BOLT, 1/4"-28X3/8" (12.9001)					1		1		1		1	
	186676	BOLT, 1/4"-20X5/8" (12.9001)						1						
	120392	WASHER, 1/4" (12.9190)						1						
	120217	LOCKWASHER, #10 (12.9200)												1
	120380	LOCKWASHER, 1/4" (12.9200)					1	1	1		1		1	
	110633	NUT, #10-24 (12.9120)												1
	120375	NUT, 1/4"-20 (12.9120)						1						
	121902	NUT, 1/4"-28 (12.120)					1		1		1		1	

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 805	806	808	821	822	826	827	831	836	837	838	839
		2.9900 - LEVER, ACCELERATOR LINKAGE MT TRANSMISSION												
	5130472	LEVER, 6V53								1				
	181309	BOLT, 1/4"-28X1/2" (12.9001)								2				
	120380	LOCKWASHER, 1/4" (12.9200)								2				
		2.9910 - LEVER, TRANSMISSION ACCELERATOR CONTROL MT												
	5130613	LEVER, 6V53								1				
		2.9915 - LEVER, GOVERNOR ACCELERATOR CONTROL MT TRANSMISSION												
	5130473	LEVER, 6V53								1				
	5130614	SPRING, 6V53 (.50"O.D.X1.21" L.)								1				
	5131412	SPRING, 6V53 (.33"O.D.X.927"L.) (INSIDE 5130614)								1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)								1				
	120380	LOCKWASHER, 1/4" (12.9200)								1				
		2.9940 - CABLE ASSY., TRANSMISSION CONTROL MT												
	5143276	CABLE ASSY., 6V53 (58"L.)								1				
	5118491	JOINT, 6V53								1				
	193249	CLEVIS, ADJUSTING								1				
	103362	PIN, 1/16"X3/4" COTTER (12.9250)								1				
	138083	PIN, 1/4"X51/64" CLEVIS (12.9260)								1				
	120380	LOCKWASHER, 1/4" (12.9200)								1				
	121902	NUT, 1/4"-28 (12.9120)								3				
		2.9950 - CLIP, TRANSMISSION CABLE MT												
	5163538	CLIP, 3/16" TUBE (7.8320)								2				
	5179861	BRACKET, CLIP SUPPORT (7.3245)								1				
	106284	BOLT, 3/8"-24X5/8" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				
	117049	NUT, 3/8"-24 (12.9120)								1				
		2.9960 - BRACKET, TRANSMISSION CABLE MT												
	5143068	BRACKET, 6V53 (MOUNTED ON TRANSMISSION)								1				
	5130481	BRACKET, 6V53 (MOUNTED ON GOVERNOR COVER)								1				

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 805	806	808	821	822	826	827	831	836	837	838	839
		2.9960 - BRACKET, TRANSMISSION CABLE MT (CONT'D)												
	5170765	SPACER, 3/4"O.D.X11/32"I.D.X21/32"								2				
	132268	SCREW, 1/4"-20X7/8" FIL. HD. (12.9010)								2				
	100001	BOLT, 1/4"-28X3/4" (12.9001)								1				
	5148438	BOLT, 5/16"-18X1 1/4" (WITH LOCKWASHER) (12.9001)								2				
	121902	NUT, 1/4"-28 (12.9120)								1				
		2.9970 - COVER, TRANSMISSION CABLE BRACKET MT												
	5143069	COVER, 6V53								1				
	180016	BOLT, 1/4"-20X1/2" (12.9001)								2				
	120380	LOCKWASHER, 1/4" (12.9200)								2				
	120375	NUT, 1/4"-20 (12.9120)								2				

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2.9000A THROTTLE CONTROLS

	PART NUMBER	NAME AND DESCRIPTION	TYPES 856	865	880	900	901	927	940	941	943	944	945
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE											
	5113378	PAD, THROTTLE CONTROL DISC 3,4-53					1						
	5113377	WASHER, 3,4-53					1						
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER											
8A	**5124616**	BRACKET, 3,4-53					1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)					4						
	103341	WASHER, 3/8"-16X7/8" (12.9190)					2						
		2.9306 - GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD											
	5175882	GASKET, 3,4-53 (4.4115)					4						
		2.9310 - SHAFT, THROTTLE CONTROL CROSS											
8A	**5121163**	SHAFT AND LEVER ASSY., 3,4-53					1						
	5113358	SPRING, 3,4-53					1						
	5113359	SPACER, 1/2"X3/4"X1/8" 3,4-53					1						
	122295	NUT, 1/2"-20 (12.9120)					2						
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT											
	5121166	SHAFT, 3,4-53 (2.9310)					1						
	5113397	BUSHING, 3,4-53 (2.9142)					2						
	5180116	BOLT, 1/4"-20 "U" (12.9867)					2						
	120380	LOCKWASHER, 1/4" (12.9200)					4						
	120375	NUT, 1/4"-20 (12.9120)					4						
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING											
8A	**5134476**	BRACKET, 6V53		1					1	1	1	1	
7E	**5123878**	BRACKET, 3-53			1								
7E	**454906**	BOLT, 3/8"-16X1 1/4" (12.9001)			1								
8A	**189330**	BOLT, 3/8"-24X3 3/4" (12.9001)		2						2	2	2	
	103341	WASHER, 3/8" (12.9190)							2				
		2.9345 - LEVER, THROTTLE BOOSTER											
8A	**5128795**	LEVER, 6V53		1									
	454813	BOLT, 1/4"-20X7/8" (12.9001)		1									
	120380	LOCKWASHER, 1/4" (12.9200)		1									

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 856	865	880	900	901	927	940	941	943	944	945
		2.9347 - SPRING, THROTTLE BOOSTER											
8A	**5147421**	SPRING, 6V53							1	1			
8A	**5125716**	SPRING, 6V53		1								1	
7E	**5143344**	SPRING, 3-53			1								
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING											
7E	**5123762**	EYE, 1/4"-20X3.25" 3-53			1								
8A	**5134051**	EYE, 3/8"-16X4" 6V53		1					1	1		1	
7E	**120375**	NUT, 1/4"-20 (12.9120)			2								
8A	**123221**	NUT, 3/8"-16 (12.9120)		2					2	2		2	
		2.9349 - HANGER, THROTTLE BOOSTER SPRING											
		A HANGER ASSY. INCLUDES ROLLER ASSY. AND RETAINING RING AND (1) WASHER IN 2.9349.											
	5186749	HANGER, 3-53			1								
7F	**5133026**	HANGER ASSY., 6V53		1								1	
7F	**5136604**	HANGER ASSY., 6V53							1	1			
	5132389	ROLLER ASSY., 6V53 (INCLUDES *BUSHING*)		1									
	5134694	ROLLER ASSY., 6V53 (INCLUDES BUSHING)							1	1		1	
	5181264	BUSHING, 6V53		1									
7F	**5134692**	*BUSHING, 6V53*							1	1		1	
7F	**274676**	RING, RETAINING (1.4650)		1					1	1		1	
	5171045	BOLT, 5/16"-24X5/8" (12.9001)			1								
	5133010	BOLT, 5/16"-24X1.08"		1									
	5136605	BOLT, 5/16"-24X1.43"							1	1		1	
	106261	WASHER, 5/16" (12.9190)		1					1	1		1	
	5132934	NUT, 5/16"-24 (SPRING HANGER)		1					1	1		1	
		2.9355 - SOLENOID, THROTTLE CONTROL											
	5142206	# SOLENOID (24V.)	1										
7D	**1118128**	* SOLENOID (12V.)		1	1					1	1		
7D	**1118191**	* SOLENOID (24V., 32V.)										1	1
	5142156	BRACKET, TERM BLOCK	1										
	5142157	COVER, TERM BLOCK	1										
	5142470	TUBING, SPIRAL WRAP (7.7020)	1										
	5142200	*ROD, END*	1										
	5142159	BLOCK, TERMINAL	1										
	5142709	BUSHING, NYLON	2										
	1996097	* SWITCH, PUSH BUTTON (7.4115)		1						1	1	1	1
7D	**5100004**	*EYE, ROD END*		1	1					1		1	
	100757	SCREW, #8-32X1 1/4" (12.9025)	4										
	120221	SCREW, #10-24X1/2" (12.9025)	4										
7D	**100001**	BOLT, 1/4"-28X3/4" (12.9001)		4	4					4	4	4	4
	181596	BOLT, 5/16"-24X7/8" (12.9001)		1						1		1	
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)			1								
	120391	WASHER, 7/32"X1/2" (12.9190)	4										
	120392	WASHER, 1/4" (12.9190)		4	4					8	4	8	4

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2.9000A THROTTLE CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 856	865	880	900	901	927	940	941	943	944	945
		2.9355 - SOLENOID, THROTTLE CONTROL (CONT'D)											
	446187	WASHER, 17/64"X5/8" (12.9190)	2										
	106496	LOCKWASHER, #8 (12.9200)	8										
	106497	LOCKWASHER, #10 (12.9200)	AR										
	120380	LOCKWASHER, 1/4" (12.9200)		4	4								
	103319	LOCKWASHER, 1/4" (12.9200)								4	4	4	4
	103092	NUT, #8-32 (12.9120)	8										
	121902	NUT, 1/4"-28 (12.9120)		4	4					4	4	4	4
	120613	NUT, 1/4"-28 (12.9120)		1	1					1		1	
	114493	LOCKNUT, 5/16"-24 (2.7170)		1	1					1		1	
		# NOT SERVICED USE 5101807											
		* PROCURE FROM AC DELCO.											
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID											
	5142216	BRACKET, 3,4-53 (2.9370)	1										
	5142215	BRACKET, 3,4-53		1									
7D	5138707	BRACKET, 6V53		1						1		1	
	5138690	BRACKET, 3-53			1								
	5146843	BRACKET, 6V53				1		1					
	5141276	BRACKET, 3-53 (1.8170)	1										
7D	5138700	BRACKET, 6V53											1
7D	5136814	BRACKET, 6V53									1		
	117461	BOLT, 1/4"-20X9/16" (12.9001)	2										
	180021	BOLT, 1/4"-20X7/8" (12.9001)		3	3					3	4	3	5
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)		1									
	5104594	BOLT, 1/4"-20X1.37" (12.9001)								1		1	
	132268	BOLT, 1/4"-20X7/8" (12.9001)				4							
	179796	BOLT, 1/4"-20X7/8" (12.9001)						4					
	186625	BOLT, 5/16"-18X7/8" (12.9001)		2									
	103319	LOCKWASHER, 1/4" (12.9200)	2	3						3	4	3	5
	120380	LOCKWASHER, 1/4" (12.9200)		4	3								
	103320	LOCKWASHER, 5/16" (12.9200)		2									
	120376	NUT, 5/16"-18 (12.9120)		2									
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR											
8A	5125686	LINK, 3,4-53					1						
8A	5146239	ROD ASSY., 3,4-53 (2.9422)					1						
	3796374	GUIDE, 3,4-53 (CONTROL ROD) (2.9426)					1						
	5184255	PLATE, NAME 3,4-53 (2.9422)					1						
	140855	SCREW, #8-32X5/16" SET (12.9076)					1						
	103320	LOCKWASHER, 5/16" (12.9200)					2						
	110730	LOCKWASHER, 3/8" (12.9200)					1						
	114493	LOCKNUT, 5/16"-24 (2.7170)					1						
	124925	NUT, 3/8"-24 LOCK (12.9120)					1						
		2.9367 - SHAFT, THROTTLE CONTROL-OPERATING SOLENOID DRIVE											
	5142141	SHAFT, 3,4-53	1										
	5121252	ADAPTOR, 3,4-53 (2.7830)	1										
	5121385	BOOT, 3,4-53 (2.7834)	1										
	5142223	SPACER, 3,4-53 (2.9370)	1										
	273669	PIN, 5/64"X7/16" SPRING (12.9200)	1										

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8556	8655	8800	9000	9001	9027	9400	9411	9433	9444	9445
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT											
	5183802	LEVER, 6V53 (2.7170)		1									
8A	5128795	LEVER, 6V53							1	1		1	
	5138526	LEVER, 3-53 (2.7170)			1								
	5184098	LEVER, 3,4-53 (2.9290)					1						
	179796	BOLT, 1/4"-20X7/8" (12.9001)					1		1	1		1	
	103319	LOCKWASHER, 1/4" (12.9200)					1		1	1		1	
		2.9400 - LINK, GOVERNOR CONTROL SHAFT LEVER											
	5138687	LINK, 6V53									1		1
	123435	BOLT, 1/4"-28X5/8" (12.9001)									1		1
	120392	WASHER, 1/4" (12.9190)									1		1
	103319	LOCKWASHER, 1/4" (12.9200)									1		1
	120613	NUT, 1/4"-18 CAD. (12.9120)									3		3
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING											
	5142205	SPRING, 3,4-53 (2.9355)	1										
	5146132	SPRING, GOVERNOR SHUT-OFF 3-53			1								
	5173105	SPRING, RETAINING						1					
	5108381	CLIP		1						1		1	
	5155782	CLIP, CLOSED 3/16"			1								
	186647	BOLT, 1/4"-20X1" (12.9001)		1						1			
	120380	LOCKWASHER, 1/4" (12.9200)		1									
	103319	LOCKWASHER, 1/4" (12.9200)								1			
		2.9410 - LEVER, GOVERNOR CONTROL											
	5123880	LEVER, 3-53			1								
	5158432	LEVER, 6V53 (2.7170)		1		1		1				1	
	5107000	LEVER, 6V53							1	1			
	5102706	LEVER, 6V53 (2.8975)								1		1	
	5102710	LEVER, 6V53									1		1
	454813	BOLT, 1/4"-20X7/8" (12.9001)		1	1								
	213546	BOLT, 1/4"-20X1" (12.9001)				1		1					
	179796	BOLT, 1/4"-20X7/8" (12.9001)							1	1	1	1	1
	120380	LOCKWASHER, 1/4" (12.9200)		1	1								
	103319	LOCKWASHER, 1/4" (12.9200)				1		1	1	1	1	1	1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 856	865	880	900	901	927	940	941	943	944	945
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE											
	5155782	CLIP (7.8320)					1						
	132830	SCREW, #10-24X3/8" (12.9025)					1						
	120217	LOCKWASHER, #10 (12.9200)					1						
		2.9920 - BRACKET, GOVERNOR AND TRANSMISSION CONTROL MT											
	5101439	BRACKET						1					
	5140751	SPACER, 17/64"X1/2"X1/4" (2.7819)						2					
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)						2					
	103319	LOCKWASHER, 1/4" (12.9200)						2					
		2.9940 - CABLE ASSY., TRANSMISSION CONTROL MT											
	5147409	CABLE ASSY., 6V53				1		1					
	5120273	BEARING, 6V53 (2.9730)				1							
	5101564	CLEVIS						1					
	103495	PIN, 5/16"X31/32" CLEVIS (12.9260)						1					
	213546	BOLT, 1/4"-20X1" (12.9001)				1							
	120393	WASHER, 5/16" (12.9190)						1					
	103319	LOCKWASHER, 1/4" (12.9200)				1							
	120375	NUT, 1/4"-20 (12.9120)				1							
	120613	NUT, 1/4"-28 (12.9120)				1		2					
		2.9950 - CLIP, TRANSMISSION CABLE MT											
	5147410	CLIP				1		1					
	2488022	CLIP, #6 HOSE (NEOPRENE COATED) (12.8554)				1		1					
	5147853	SHIM, 1.50"L.X.50"W.X.089" THK.				1							
	5101615	SHIM, 1.50"L.X.50"W.X.38" (2.9920)						1					
	132119	SCREW, #10-32X5/8" (12.9010)				2							
	132133	SCREW, #10-32X1" (12.9010)						2					
	120217	LOCKWASHER, #10 (12.9200)						2					
	454749	NUT, #10-32 (12.9120)				2							
	120614	NUT, #10-32 (12.9120)						2					
		2.9960 - BRACKET, TRANSMISSION CABLE MT											
	5181339	BRACKET, 6V53 (MOUNTED ON TRANSMISSION) (5.5070)				1		1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1		1					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				1		1					
	103321	LOCKWASHER, 3/8" (12.9200)				1		1					
	103323	LOCKWASHER, 1/2" (12.9200)				1		1					
	102635	NUT, 3/8"-16 (12.9120)				1		1					

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 946	949	954	959	960	962	963	964	965	966	968	970	972
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE													
	5113378	PAD, THROTTLE CONTROL DISC. 3, 4-53		1			1				1				
	5113377	WASHER, 3, 4-53		1			1				1				
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER													
8A	5124616	BRACKET, 3, 4-53		1			1				1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)		4			4				4				
	103321	LOCKWASHER, 3/8" (12.9200)		2			2				2				
		2.9306 - GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD													
	5175882	GASKET, 3, 4-53 (4.4115)		4			4				4				
		2.9310 - SHAFT, THROTTLE CONTROL CROSS													
8A	5121163	SHAFT AND LEVER ASSY. 3, 4-53		1			1				1				
	5113358	SPRING, 3, 4-53		1			1				1				
	5113359	SPACER, 1/2"X3/4"X1/8" 3, 4-53		1			1				1				
	122295	NUT, 1/2"-20 (12.9120)		2			2				2				
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT													
8A	5121166	SHAFT, 3, 4-53 (2.9310)		1			1				1				
	5113397	BUSHING, 3, 4-53 (2.9142)		2			2				2				
8A	5180116	BOLT, 1/4"-20 "U" (12.9867)		2			2				2				
	103319	LOCKWASHER, 1/4" (12.9200)		4			4				4				
	120375	NUT, 1/4"-20 (12.9120)		4			4				4				
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING													
8A	5134476	BRACKET, 6V53	1		1										1
7E	5123878	BRACKET, 3-53		1		1	1		1	1	1		1		
	5123879	BRACKET, 4-53						1							
8A	189330	BOLT, 3/8"-24X3 3/4" (12.9001)	2		2										2
7E	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				1			1	1			1		
	103321	LOCKWASHER, 3/8" (12.9200)											1		
		2.9347 - SPRING, THROTTLE BOOSTER													
8A	5125716	SPRING, 6V53	1												
7E	5143344	SPRING, 3, 4-53		1		1	1	1	1	1	1		1		
8A	5147421	SPRING, 6V53			1										1
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING													
8A	5134051	EYE, 3/8"-16X4"	1		1										1
7E	5123762	EYE, 1/4"-20X3.25"		1		1	1	1	1	1	1		1		
	123221	NUT, 3/8"-16 (12.9120)	2		2				2						2
7E	120375	NUT, 1/4"-20 (12.9120)		2		2	2	2		2	2		2		

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2.9000A THROTTLE CONTROLS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 946	949	954	959	960	962	963	964	965	966	968	970	972
		2.9349 - HANGER, THROTTLE BOOSTER SPRING													
		A HANGER ASSY. INCLUDES STUD, ROLLER ASSY., RING AND (1) WASHER IN 2.9349.													
7F	**5133026**	HANGER ASSY., 6V53	1												
7F	**5136604**	HANGER ASSY., 6V53			1										1
8A	**5186749**	HANGER, 3, 4-53		1		1	1	1	1	1	1		1		
	5132389	ROLLER ASSY., 6V53 (INCLUDES BUSHING)	1												
	5134694	ROLLER ASSY. 6V53 (INCLUDES BUSHING)			1										
	5171045	BOLT, 5/16"-24X5/8" (1/8" HD.)		1		1	1	1	1	1	1		1		
	5136605	BOLT, 5/16"-24X1.43"			1										
	5145014	PLUG, 3/8" PIPE (12.9550)		1			1				1				
	5181264	BUSHING, 6V53	1		1										
	5134692	BUSHING, 6V53													1
	106261	WASHER, 5/16" (12.9190)	1		1										
7F	**274676**	RING, RETAINING (1.4650)	1		1										
	5132934	NUT, 5/16"-24 (SPRING, HANGER)	1		1										1
		2.9355 - SOLENOID, THROTTLE CONTROL													
7D	**1118128**	* SOLENOID (12V.)	1	1	1			1	1	1	1	1			1
7D	**1118191**	* SOLENOID (24V. 32V.)				1	1							1	
	1996097	* SWITCH, PUSH BUTTON (7.4115)	1		1									1	1
7D	**5100004**	EYE, ROD END	1	1	1	1	1	1	1	1	1				1
7D	**100001**	BOLT, 1/4"-28X3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4		4	4
7D	**181596**	BOLT, 5/16"-24X7/8" (12.9001)	1		1										1
7D	**186654**	BOLT, 5/16"-24X1 1/8" (12.9001)		1		1	1	1	1	1	1				
	120392	WASHER, 1/4" (12.9190)	8	4	8	4	4	4	4	4	4	4		4	8
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4	4		4	4
	121902	NUT, 1/4"-28 (12.9120)	4	4	4	4	4	4	4	4	4	4		4	4
	120613	NUT, 1/4"-28 (12.9120)	1	1	1	1	1	1	1	1	1				1
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1	1	1	1	1	1	1				1
		* PROCURE FROM AC DELCO.													
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID													
7D	**5138707**	BRACKET, 6V53	1		1										1
	5138690	BRACKET, 3-53		1		1	1	1	1	1	1				
	5136455	PLATE, 3, 4-53										1			
7D	**5136814**	BRACKET, 6V53												1	
	180021	BOLT, 1/4"-20X7/8" (12.9001)	3		3	3		3	3	3		3		5	3
	5104594	BOLT, 1/4"-20X1.37" (12.9001)	1												1
	132268	BOLT, 1/4"-20X7/8" (12.9001)		3			3				3				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		1			1				1				
	103319	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3	3	3	3			5	3

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 946	949	954	959	960	962	963	964	965	966	968	970	972
		2.9360 - SHAFT, THROTTLE CONTROL-REAR OF ENGINE TO GOVERNOR													
	5124614	ROD ASSY., 3-53 (2.9720)		1			1				1				
	103320	LOCKWASHER, 5/16" (12.9200)		2			2				2				
	114493	LOCKNUT, 5/16"-24 (2.7170)		2			2				2				
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT													
8A	5128795	LEVER, 6V53	1		1										1
	5138526	LEVER, 3-53 (2.7170)		1		1	1		1	1	1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1		1										1
	103319	LOCKWASHER, 1/4" (12.9200)	1		1										1
		2.9400 - LINK, GOVERNOR CONTROL SHAFT LEVER													
	5138687	LINK, 3, 4-53										1		1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)										1		1	
	120392	WASHER, 1/4" (12.9190)										1		1	
	103319	LOCKWASHER, 1/4" (12.9200)										1		1	
	120613	NUT, 1/4"-28 (12.9120)										3		3	
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING													
	5108381	BRACKET, 6V53	1		1										1
	186647	BOLT, 1/4"-20X1" (12.9001)			1										1
	103319	LOCKWASHER, 1/4" (12.9200)			1										1
		2.9410 - LEVER, GOVERNOR CONTROL													
	5158432	LEVER, 6V53 (2.7170)	1												
	5102706	LEVER, 6V53 (2.8975)	1												1
	5124615	LEVER, 3-53		1		1	1			1	1				
	5147640	LEVER, 3-53		1			1				1				
	5183802	LEVER, 6V53 (2.7170)			1										
	5107000	LEVER, 6V53			1										1
	5123880	LEVER, 3-53							1				1		
	5102710	LEVER, 3, 4, 6V53										1		1	
	5138526	LEVER, 4-53 (2.8975)						1							
	5123881	LEVER, 3, 4-53						1							
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1	2	1	1	2	1	1	1	2	1	1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)	1	2	1	1	2	1	1	1	2		1	1	1
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE													
	5155782	CLIP (7.8320)		1		1	1	1	1	1	1		1		
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL													
8A	5161464	PIN, 4-53											1		
	142583	RETAINER, 13/64" (SPRING) (12.9640)											1		
	132105	SCREW, #10-32X3/8" (12.9010)											1		
	5150941	WASHER, 21/64" (2.7310)											1		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 974	976	979	982	987	988	989	990	1111	1114	1115	1116	1124
		2.9105 - WASHER, THROTTLE CONTROL TUBE BRAKE													
	5113378	PAD, 4-53										1			
	5113377	WASHER										1			
		2.9305 - BRACKET, THROTTLE CONTROL CROSS SHAFT-ENGINE LIFTER													
	5124616	BRACKET, 4-53										1			
	5101634	BRACKET, 4-53													1
	8924517	PLUG, 3/8"-18 PIPE VIBRA SEAL (12.9550)										1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)										4			3
	103321	LOCKWASHER, 3/8" (12.9200)										2			1
		2.9306 - GASKET, THROTTLE CONTROL CROSS SHAFT BRACKET TO HEAD													
	5175882	GASKET										4			4
		2.9310 - SHAFT, THROTTLE CONTROL CROSS													
	5121163	SHAFT AND LEVER ASSY. 4-53										1			
	5113358	SPRING										1			
	5113359	SPACER, 1/2"X3/4"X1/8"										1			
	122295	NUT, 1/2"-20 (12.9120)										2			
		2.9312 - TUBE, THROTTLE CONTROL CROSS SHAFT													
	5121166	TUBE, 4-53										1			
	5113397	BUSHING, 1/2"I.D.X5/8"O.D.X3/4"L.										2			
	5180116	BOLT, U 1/4"-20 (2.9867)										2			
	103319	LOCKWASHER, 1/4" (12.9200)										4			
	120375	NUT, 1/4"-20 (12.9120)										4			

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 974	976	979	982	987	988	989	990	1111	1114	1115	1116	1124
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING													
7E	**5123878**	BRACKET, 3, 4-53									1	1			
8A	**8922972**	BRACKET, 6V53	1	1	1										
8A	**5134476**	BRACKET, 6V53					1	1	1	1			1		
	5160425	SPACER, 13/32"X23/32" (2.3267)			1										
7E	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)									1	1			
8A	**186314**	BOLT, 3/8"-24X4 1/4" (12.9001)		2	2										
8A	**186315**	BOLT, 3/8"-24X4 1/2" (12.9001)	2												
8A	**189330**	BOLT, 3/8"-24X3 3/4" (12.9001)					2		2	2			2		
8A	**103321**	LOCKWASHER, 3/8" (12.9200)		2	2										
		2.9347 - SPRING, THROTTLE BOOSTER													
7E	**5143344**	SPRING, 3, 4-53									1	1			
8A	**5125716**	SPRING, 6V53	1	1	1								1		
8A	**8923637**	SPRING, 6V53					1	1	1	1					
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING													
7E	**5123762**	EYE, 1/4"-20X3.25" 3, 4-53									1	1			
8A	**5134051**	EYE, 3/8"-16X4" 6V53	1	1	1								1		
8A	**8923627**	EYE, 3/8"-16X4.75" 6V53					1	1	1	1					
	103341	WASHER, 3/8" (12.9190)						2		2					
7E	**120375**	NUT, 1/4"-20 (12.9120)									2	2			
8A	**123221**	NUT, 3/8"-16 (12.9120)		2	2		2	2	2	2			2		
		2.9349 - HANGER, THROTTLE BOOSTER SPRING													
		A HANGER ASSY. INCLUDES ROLLER ASSY. AND RETAINING RING, BOLT AND WASHER IN 2.9349.													
8A	**5186749**	HANGER, 3, 4-53									1	1			
7F	**5133026**	HANGER ASSY., 6V53	1	1	1								1		
7F	**5136604**	HANGER ASSY., 6V53					1	1	1	1					
	5132389	ROLLER ASSY., 6V53 (INCLUDES BUSHING)	1	1									1		
	5134694	ROLLER ASSY., 6V53 (INCLUDES BUSHING)					1	1	1	1					
	5181264	BUSHING, 6V53	1	1									1		
	5134692	BUSHING, 6V53					1	1	1	1					
	274676	RING, RETAINING (1.4650)	1	1			1	1	1	1			1		
	5171045	BOLT, 5/16"-24X5/8" (2.9349)									1	1			
	5133010	BOLT, 5/16"-24X1.08"	1	1									1		
	5136605	BOLT, 5/16"-24X1.43"					1	1	1	1					
	106261	WASHER, 5/16" (12.9190)	1	1			1	1	1	1		1			
	5132934	NUT, 5/16"-24 (SPRING HANGER)	1	1	1		1	1	1	1		1			
		2.9355 - SOLENOID, THROTTLE CONTROL													
7A	**1118128**	* SOLENOID (12V) (7.4519)		1			1		1		1	1			
7D	**1118191**	* SOLENOID (24V., 32V.) (7.4519)	1										1	1	
	1996097	* SWITCH, PUSH BUTTON (7.4115)	1	1			1		1						
7D	**5100004**	EYE, ROD END	1	1			1		1		1	1	1		
7D	**100001**	BOLT, 1/4"-28X3/4" (12.9001)	4	4			4		4		4	4	4	4	
	181596	BOLT, 5/16"-24X7/8" (12.9001)	1	1			1		1				1		
7D	**186654**	BOLT, 5/16"-24X1 1/8" (12.9001)									1	1			

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9744	9746	9779	9882	9887	9888	9889	9890	11111	11114	11115	11116	11124
		2.9355 - SOLENOID, THROTTLE CONTROL (CONT'D)													
7D	120392	WASHER, 1/4" (12.9190)	8	8			8		8		4	4	8	4	
7D	103319	LOCKWASHER, 1/4" (12.9200)	4	4			4		4		4	4	4	4	
7D	121902	NUT, 1/4"-28 (12.9120)	4	4			4		4		4	4	4	4	
7D	120613	NUT, 1/4"-28 (12.9120)	1	1			1		1		1	1	1		
7D	114493	LOCKNUT, 5/16"-24 (2.7170) * PROCURE FROM AC DELCO.	1	1			1		1		1	1	1		
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID													
	5138690	BRACKET, 3, 4-53									1	1			
	5138707	BRACKET, 6V53	1	1			1		1				1		
	5146843	BRACKET, 6V53				1									
	5136455	PLATE, SOLENOID MOUNT												1	
	180021	BOLT, 1/4"-20X7/8" (12.9001)	3	3			3		3		3	3	3	3	
	179796	BOLT, 1/4"-20X7/8" (12.9001)				4									
	5104604	BOLT, 1/4"-20X1.25" W/SEAL (4.8001)											1		
	5104594	BOLT, 1/4"-20X1.37" (12.9001)		1											
	103319	LOCKWASHER, 1/4" (12.9200)	3	3			3		3		3	3	3		
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT													
	5138526	LEVER, 3-53 (2.7170)									1				
	5128795	LEVER, 6V53	1	1	1		1	1	1	1			1		
	5151519	LEVER, 6V53			1										
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1	1	2		1	1	1	1			1		
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	2		1	1	1	1			1		
		2.9400 - LINK, GOVERNOR CONTROL SHAFT LEVER													
	5138687	LINK, 3-53												1	
	8925519	BOLT, 1/4"-28X.625" W/SEAL (12.9001)												1	
	120392	WASHER, 1/4" (12.9190)												1	
	103319	LOCKWASHER, 1/4" (12.9200)												1	
	120613	NUT, 1/4"-28 (12.9120)												1	
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING													
	5173105	SPRING, RETAINING				1									1
	5108381	BRACKET	1	1			1		1				1		
	186647	BOLT, 1/4"-20X1" (12.9001)					1		1						
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)		1			1								
	103319	LOCKWASHER, 1/4" (12.9200)		1			2		1						
		2.9410 - LEVER, GOVERNOR CONTROL													
	5102706	LEVER, 6V53 (2.7170)	1	1			1		1				1		
	5151519	LEVER, 6V53 (2.7170)	1	1		1				1			1		
	5107000	LEVER, 6V53					1	1	1						
7D	5124615	LEVER, 4-53									1	1			
	5147640	LEVER, 4-53 (SHUTDOWN)										1			
	5102710	LEVER, 3-53												1	
	454813	BOLT, 1/4"-20X7/8" (12.9001)	1	1			1	1	1	1	1				
	179796	BOLT, 1/4"-20X7/8" (12.9001)										2	1	1	
	213546	BOLT, 1/4"-20X1" (12.9001)				1									

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 974	976	979	982	987	988	989	990	1111	1114	1115	1116	1124
		2.9410 - LEVER, GOVERNOR CONTROL (CONT'D)													
	103319	LOCKWASHER, 1/4" (12.9200)	1	1		1	1	1	1	1	1	2	1		
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE													
	5155782	CLIP (7.8320)									1	1			
		2.9720 - ROD, THROTTLE CONTROL LEVER TO BELL CRANK													
	5124614	ROD ASSY.										1			
	103320	LOCKWASHER, 5/16" (12.9200)										2			
	114493	NUT, 5/16"-24 (2.7170)										2			
		2.9915 - LEVER, GOVERNOR ACCELERATOR CONTROL MT TRANSMISSION													
	8923548	LEVER													1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)													1
	103320	LOCKWASHER, 5/16" (12.9200)													1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9741	9776	9779	9882	9887	9888	9889	9890	11111	11141	11151	11161	11124
		2.9920 - BRACKET, GOVERNOR AND TRANSMISSION CONTROL MT													
	5101439	BRACKET, 6V53				1									
	5102446	BRACKET, 4-53													1
	5140751	SPACER, 17/64"X1/2"X1/4" (2.7819)				2									
	445566	BOLT, 1/4"-20X1 1/8" (12.9001)				2									
	103319	LOCKWASHER, 1/4" (12.9200)				2									
		2.9940 - CABLE ASSY., TRANSMISSION CONTROL													
	5147409	CABLE ASSY.													1
	5101564	CLEVIS				1									1
	103495	PIN, 5/16"X31/32" CLEVIS (12.9260)				1									1
	120393	WASHER, 11/32"X11/16" (12.9190)				1									1
	120613	NUT, 1/4" 28 (12.9120)				2									2
		2.9950 - CLIP, TRANSMISSION													
	5147410	CLIP, CABLE 1/2" DIA.				1									1
	2488022	CLIP, #6 HOSE (NEOPRENE COATED) (12.8554)				1									
	103372	PIN, 3/32"X1/2" COTTER (12.9250)													1
	132133	SCREW, #10-32X1" FIL. HD. CAD (12.9010)				2									
	5197607	SCREW, #10-32X1 3/8" (2.8040)													2
	5147425	SPACER													1
	5101615	SHIM, 1.50"X.50"X.38" (12.9920)				1									
	120217	LOCKWASHER, #10 (12.9200)				2									
	120614	NUT, #10-32 (12.9120)				2									2
		2.9960 - BRACKET, TRANSMISSION CABLE													
	5181339	BRACKET, 6V53 (5.5070)				1									
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1									
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				1									
	103321	LOCKWASHER, 3/8" (12.9200)				1									
	103323	LOCKWASHER, 1/2" (12.9200)				1									
	102635	NUT, 3/8"-16 (12.9120)				1									

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1128	1178	1180	1181
		2.9344 - BRACKET, THROTTLE BOOSTER SPRING				
7E	5123878	BRACKET, 3,4-53	1			
7E	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	1			
8A	103321	LOCKWASHER, 3/8" (12.9200)	1			
		2.9347 - SPRING, THROTTLE BOOSTER				
7E	5143344	SPRING, 3,4-53	1			
		2.9348 - EYE, THROTTLE BOOSTER ADJUSTING				
7E	5123762	EYE, 1/4"-20X3.25" 3,4-53	1			
7E	120375	NUT, 1/4"-20 (12.9120)	2			
		2.9349 - *HANGER, THROTTLE BOOSTER SPRING*				
8A	5186749	HANGER, 3,4-53	1			
	5171045	BOLT, 5/16"-24X5/8" (2.9349)	1			
		2.9355 - SOLENOID, THROTTLE CONTROL				
7D	1118191	* SOLENOID (24V., 32V.) (7.4519)			1	
7D	100001	BOLT, 1/4"-28X3/4" (12.9001)			4	
7D	120392	WASHER, 1/4" (12.9190)			4	
7D	103319	LOCKWASHER, 1/4" (12.9200)			4	
7D	121902	NUT, 1/4"-28 (12.9120)			4	
		* PROCURE FROM AC DELCO.				
		2.9357 - BRACKET, THROTTLE CONTROL SOLENOID				
	5138700	BRACKET, 6V53			1	
	180021	BOLT, 1/4"-20X7/8" (12.9001)			5	
	103319	LOCKWASHER, 1/4" (12.9200)			5	
		2.9390 - LEVER, GOVERNOR CONTROL SHAFT				
	5151519	LEVER, 6V53		1		
		2.9400 - LINK, GOVERNOR CONTROL SHAFT LEVER				
	5138687	LINK, 3-53			1	
	8925519	BOLT, 1/4"-28X.625" W/SEAL (12.9001)			1	
	120392	WASHER, 1/4" (12.9190)			1	
	103319	LOCKWASHER, 1/4" (12.9200)			1	
	120613	NUT, 1/4"-28 (12.9120)			3	
		2.9405 - SPRING, GOVERNOR CONTROL RETRACTING				
	5173105	SPRING, RETAINING				1

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1 1 2 8	1 1 7 8	1 1 8 0	1 1 8 1
		2.9410 - LEVER, GOVERNOR CONTROL				
	5123880	LEVER, 6V53	1			
	5102710	LEVER, 3-53			1	
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1		1	
	103319	LOCKWASHER, 1/4" (12.9200)	1		1	
		2.9422 - WIRE, GOVERNOR CONTROL				
	5184255	PLATE, NAME	1			
		2.9426 - PIN, GOVERNOR CONTROL WIRE SWIVEL				
	5161464	PIN, SWIVEL	1			
	142583	RETAINER, 13/64" SPRING (12.9640)	1			
	100659	SCREW, #10-32X3/8" (12.9010)	1			
		2.9428 - CLIP, GOVERNOR CONTROL WIRE TUBE				
	3290569	CLIP, 3/16" TUBE (7.8320)	1			
	5155782	CLIP, 3/16" TUBE (7.8320)	1			
	123298	BOLT, 1/4"-28X3/8" (12.9001)	1			
	5150941	WASHER, 21/64" (2.7310)	1			
	103319	LOCKWASHER, 1/4" (12.9200)	1			
	121902	NUT, 1/4"-28 (12.9120)	1			
		2.9920 - BRACKET, GOVERNOR AND TRANSMISSION CONTROL MT				
	5101439	BRACKET, 6V53		1		1
		2.9940 - CABLE ASSY., TRANSMISSION CONTROL				
	5147409	CABLE ASSY.				1
		2.9950 - CLIP, TRANSMISSION				
	5147410	CLIP, CABLE 1/2" DIA.		1		

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		2.9133 - CONTROL, VERNIER THROTTLE														
	3292337	CONTROL ASSY., 2,3,4-53	1		1											
	3292560	CONTROL ASSY., 2,3,4-53		1												
	5173084	CONTROL ASSY., 2,3,4-53														
		2.9135 - KNOB, VERNIER THROTTLE CONTROL														
8B	**3224408**	KNOB	1	1												
8B	**5157165**	KNOB			1											
		2.9136 - HOUSING, VERNIER THROTTLE CONTROL														
		A HOUSING ASSY. INCLUDES ITEMS IN 2.9136 AND 2.9138.														
8B	**3291981**	HOUSING ASSY.	1	1	1											
8B	**3291980**	HOUSING	1	1	1											
		2.9138 - SPRING, VERNIER THROTTLE CONTROL LOCK														
8B	**3291979**	SPRING	1	1	1											
8B	**112871**	SCREW, #6-32X5/16" RD. HD. SL. (12.9025)	2	2	2											
		2.9139 - WORM, VERNIER THROTTLE CONTROL														
8B	**3224425**	WORM	1	1	1											
		2.9140 - SHAFT, VERNIER THROTTLE CONTROL														
8B	**3224405**	SHAFT (5 7/16" L.)	1		1											
8B	**5173080**	SHAFT (4 7/16" L.)		1												
		2.9141 - GEAR, VERNIER THROTTLE CONTROL WORM														
8B	**3224410**	GEAR	1	1	1											
	106958	KEY, 1/16"X1/2" WOODRUFF (12.9350)	1	1	1											
		2.9142 - BUSHING, VERNIER THROTTLE CONTROL WORM														
8B	**3224409**	BUSHING	1	1	1											
8B	**106498**	LOCKWASHER, #12 (12.9200)	1	1	1											
8B	**103089**	NUT, #12-24 (12.9120)	1	1	1											

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2.9000A THROTTLE CONTROLS

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	2.9145	**- BUTTON, VERNIER THROTTLE CONTROL LOCK**														
8B	**3224407**	BUTTON	1	1	1											
	2.9146	**- PIN, VERNIER THROTTLE CONTROL LOCK BUTTON**														
8B	**3224406**	PIN	1	1	1											
	2.9147	**- SPRING, VERNIER THROTTLE CONTROL LOCK BUTTON PIN**														
8B	**3224413**	SPRING	1	1	1											
	2.9149	**- COVER, VERNIER THROTTLE CONTROL**														
8B	**3292336**	COVER	1	1												
8B	**3292559**	COVER			1											

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

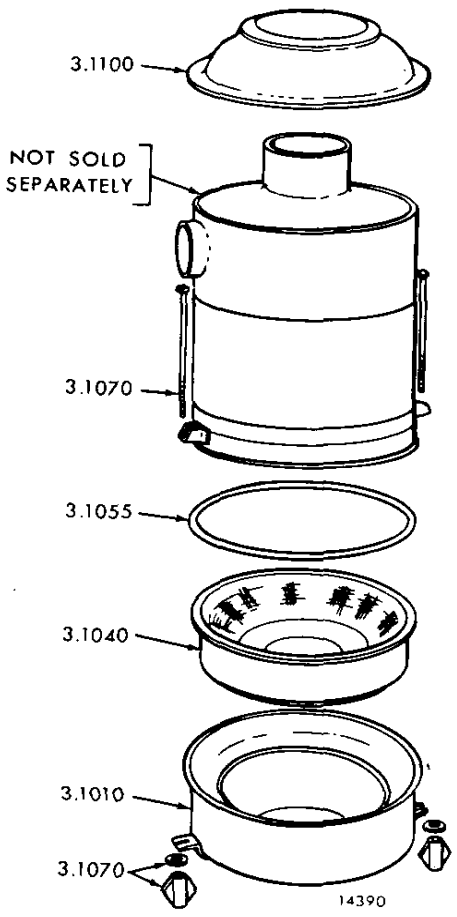


FIG. 1A

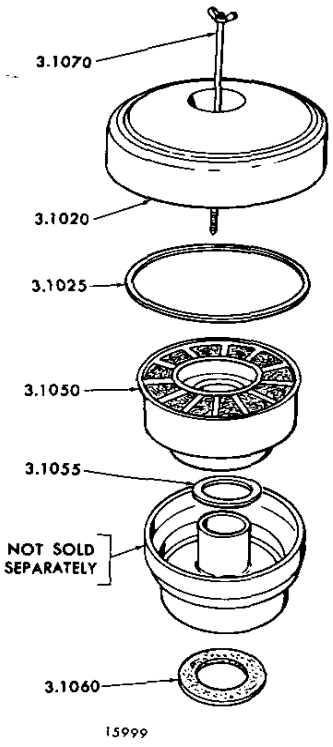


FIG. 1B

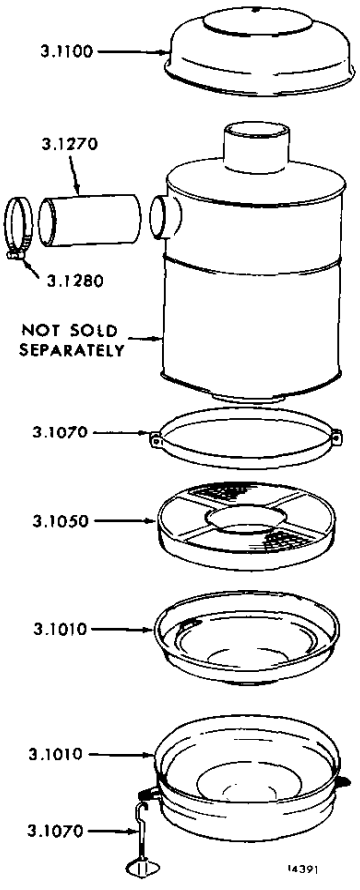


FIG. 1C

AIR CLEANER

Figs. 1A, 1B & 1C of 3.0000

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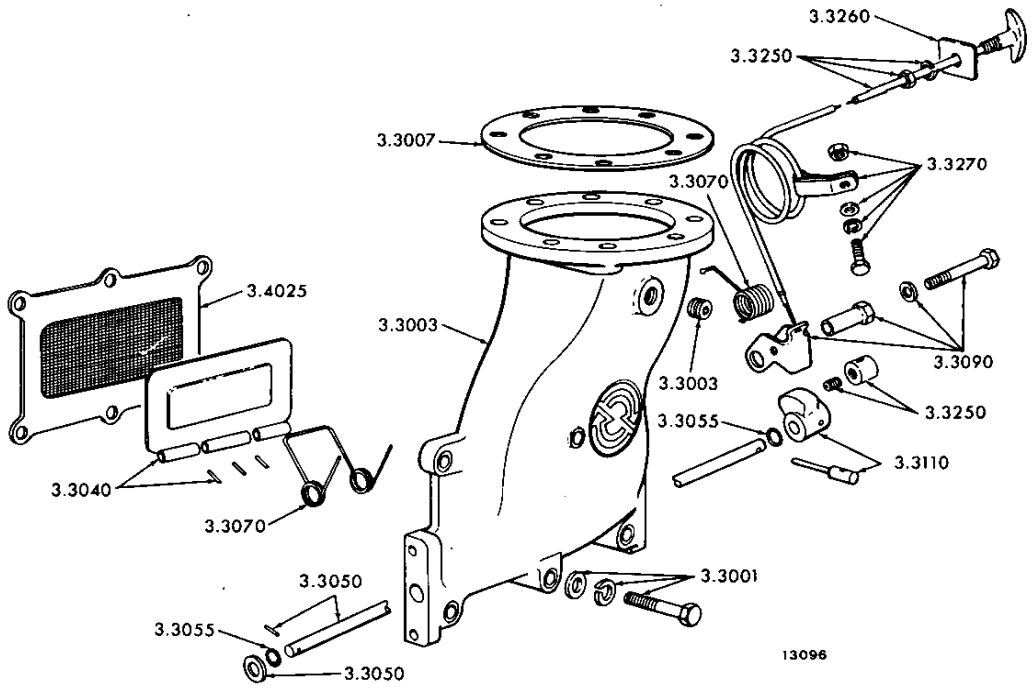


FIG. 3A AIR INLET HOUSING

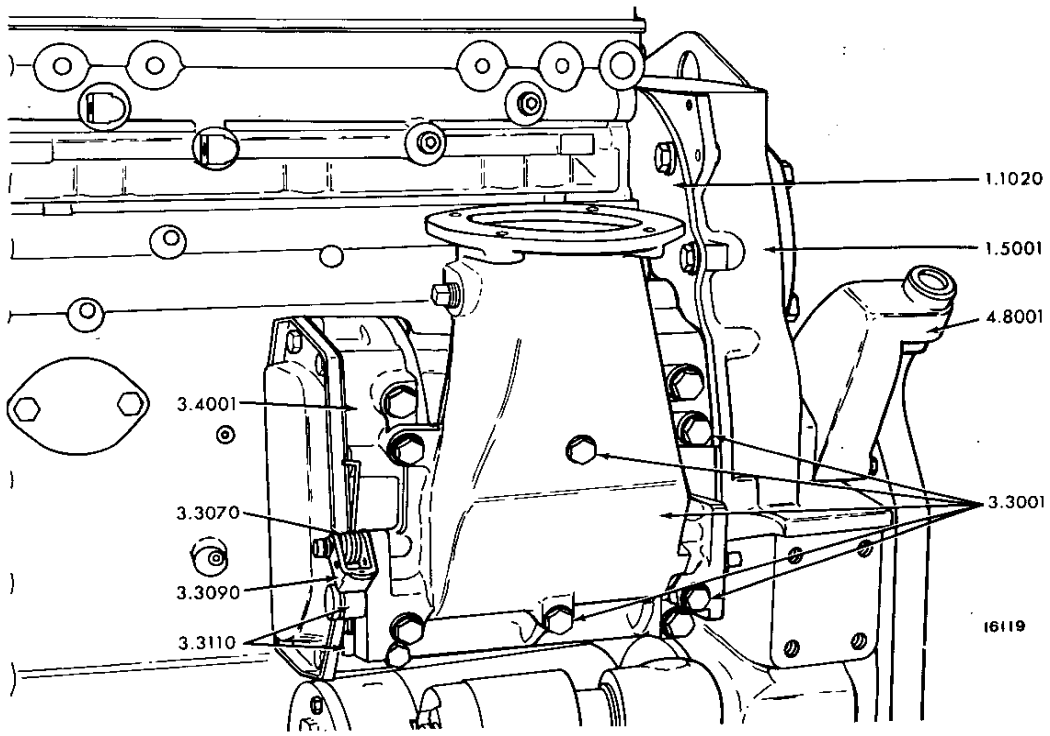


FIG. 3B BLOWER AND AIR INLET HOUSING

Figs. 3A & 3B of 3.0000

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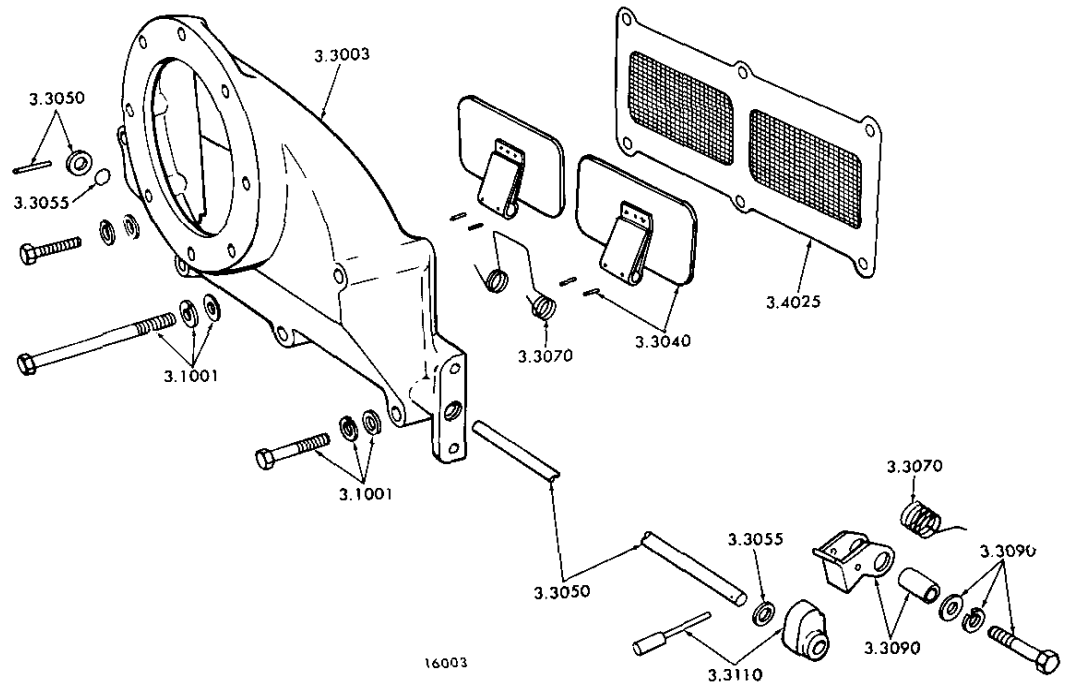


FIG. 3C AIR INLET HOUSING (6V-53)

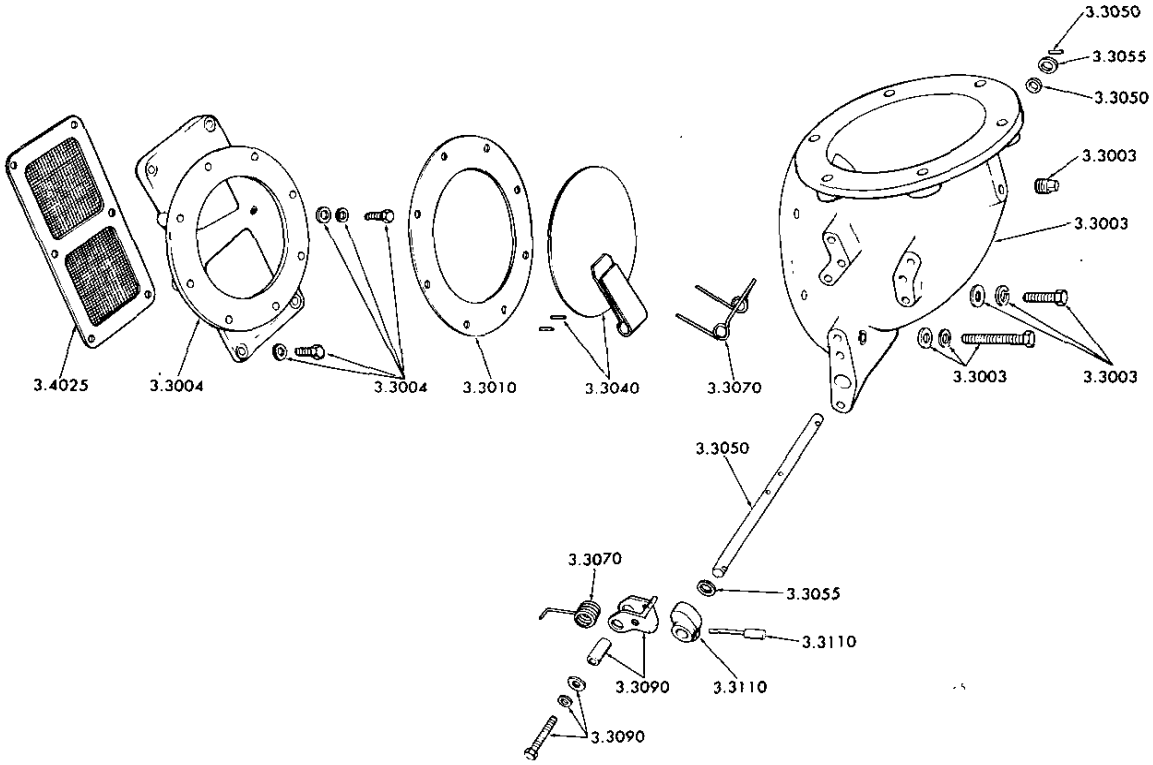


FIG. 3D AIR INLET HOUSING (8V)

Figs. 3C & 3D of 3.0000

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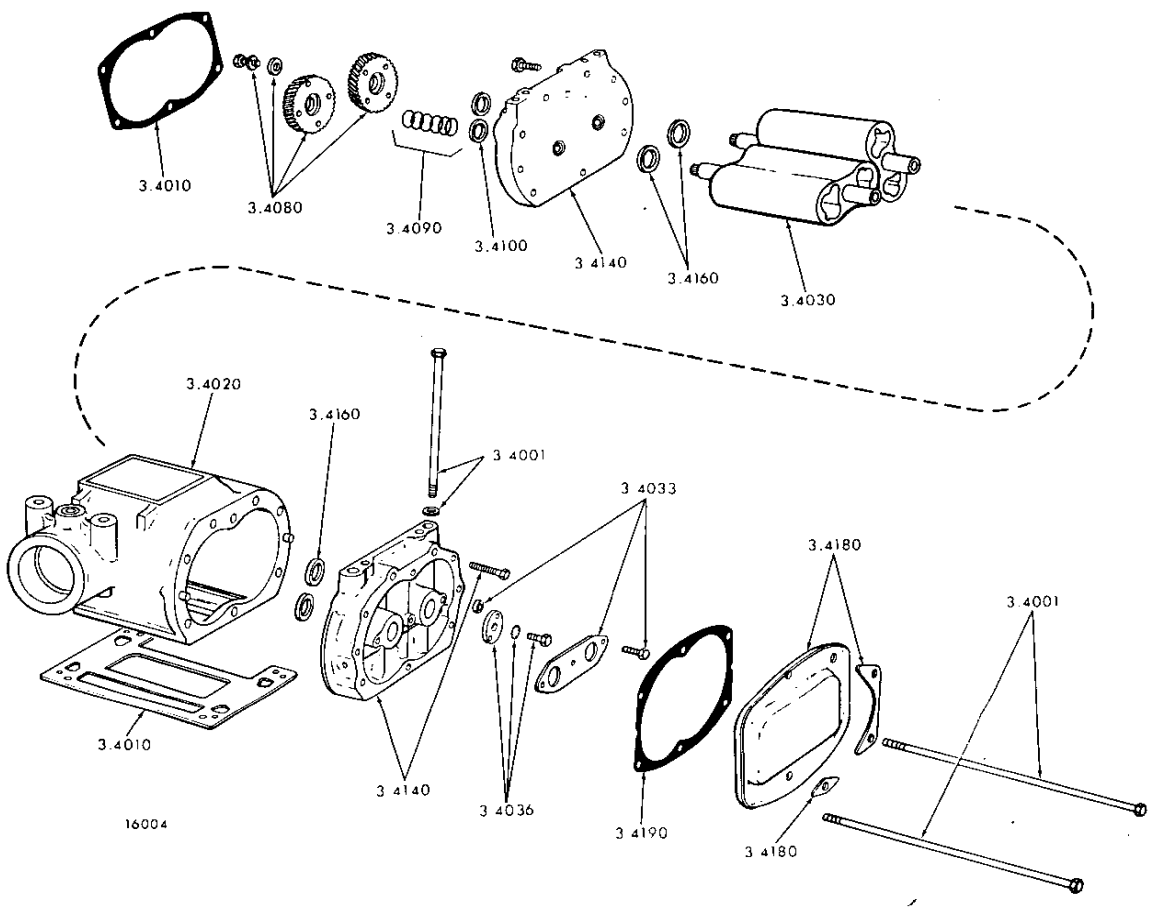


FIG. 3E BLOWER ASSEMBLY (2 CYL.)

Fig. 3E of 3.0000

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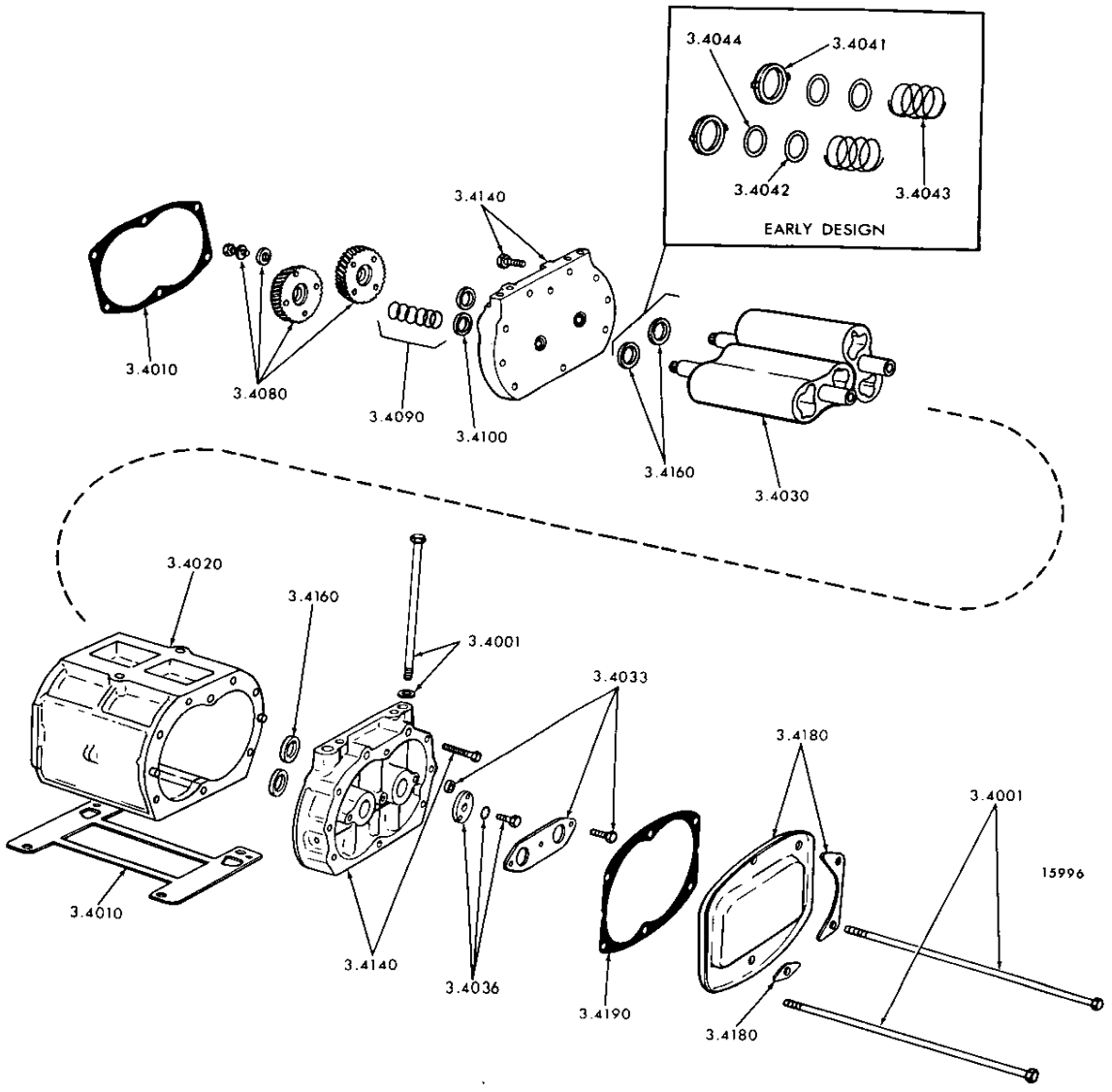


FIG. 4A BLOWER ASSEMBLY (3-Cyl.)

Fig. 4A of 3.0000

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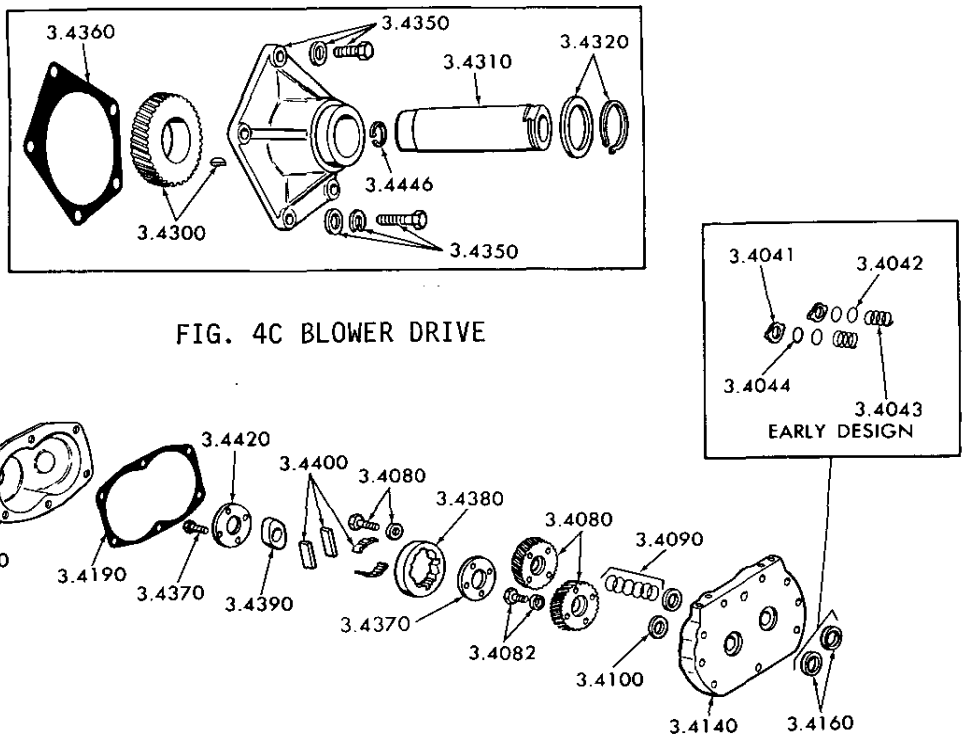


FIG. 4C BLOWER DRIVE

FIG. 4B BLOWER ASSEMBLY (4-Cyl.)

Figs. 4B & 4C of 3.0000

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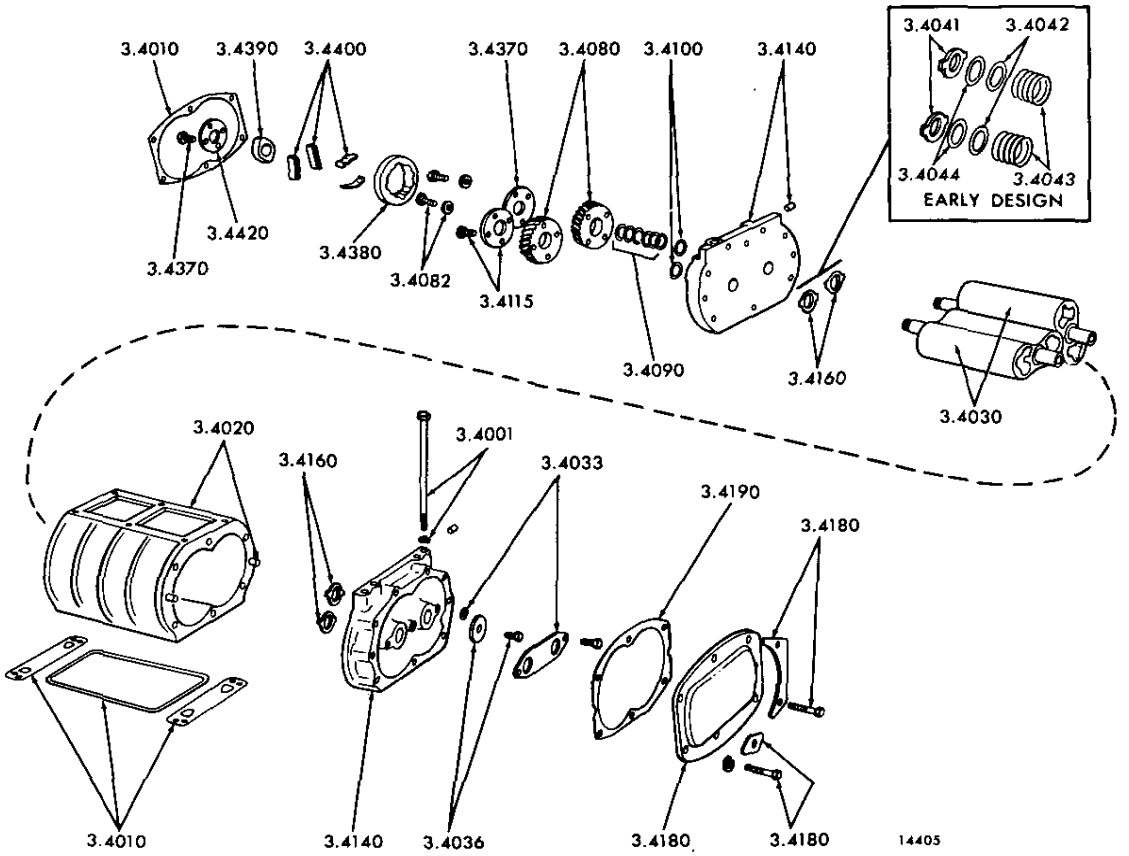


FIG. 4D BLOWER ASSEMBLY (6V)

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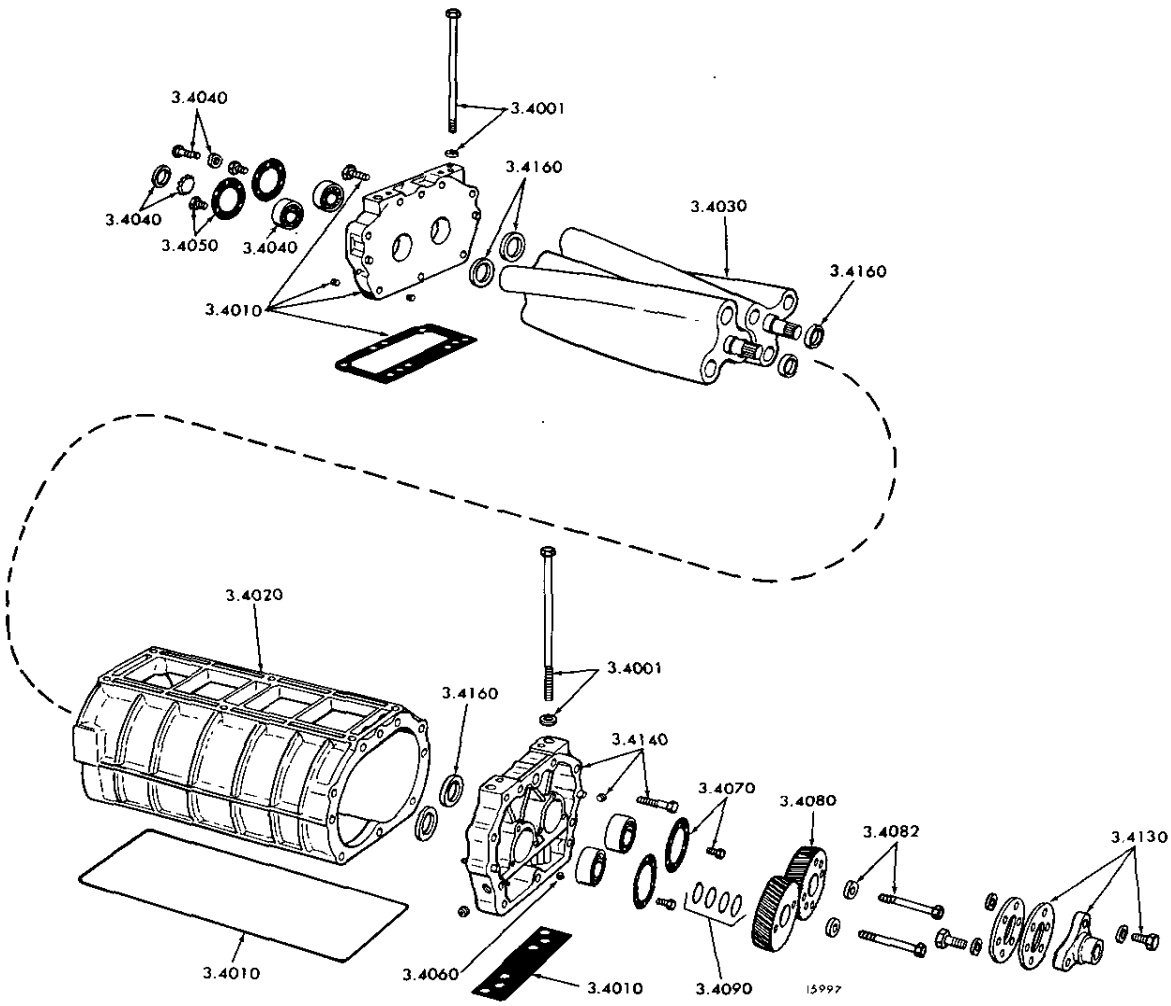


FIG. 4E BLOWER ASSEMBLY (8V)

Fig. 4E of 3.0000

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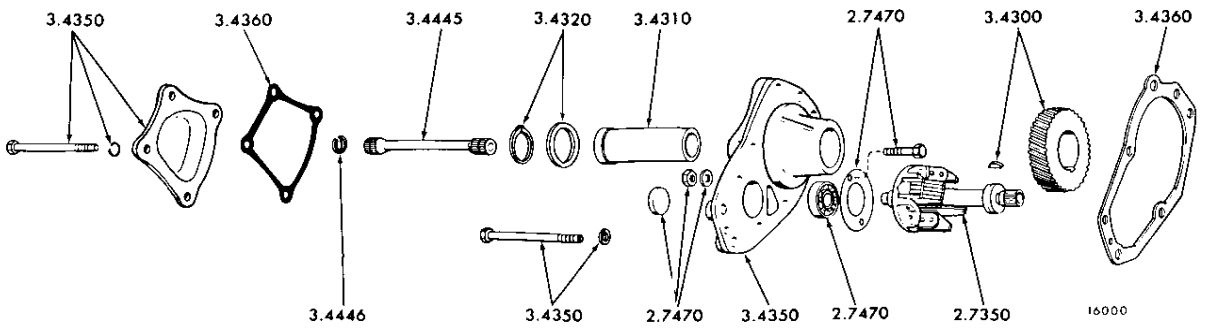


FIG. 4F BLOWER AND GOVERNOR DRIVE (6V)

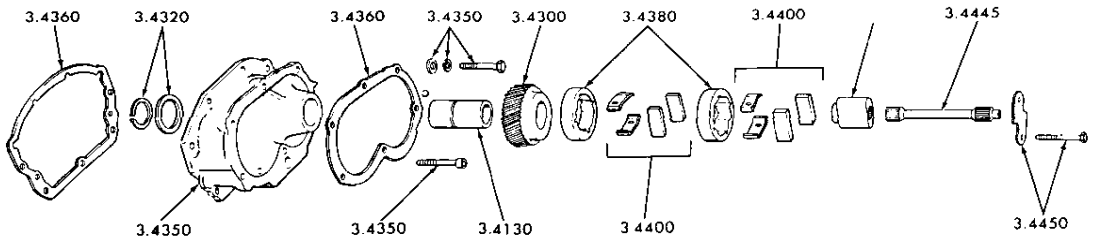


FIG. 4G BLOWER DRIVE (8V)

Figs. 4F & 4G of 3.0000

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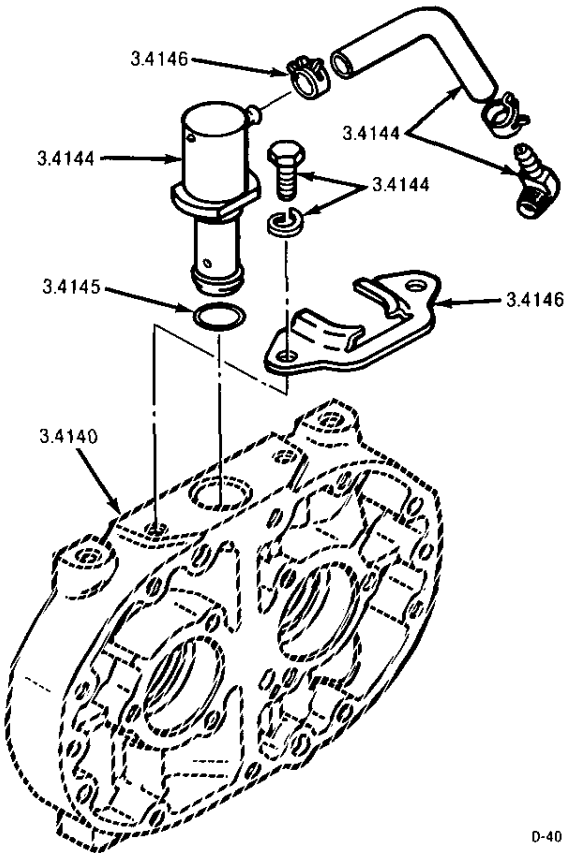


FIG. 4H VALVE, BLOWER BYPASS

Fig. 4H of 3.0000

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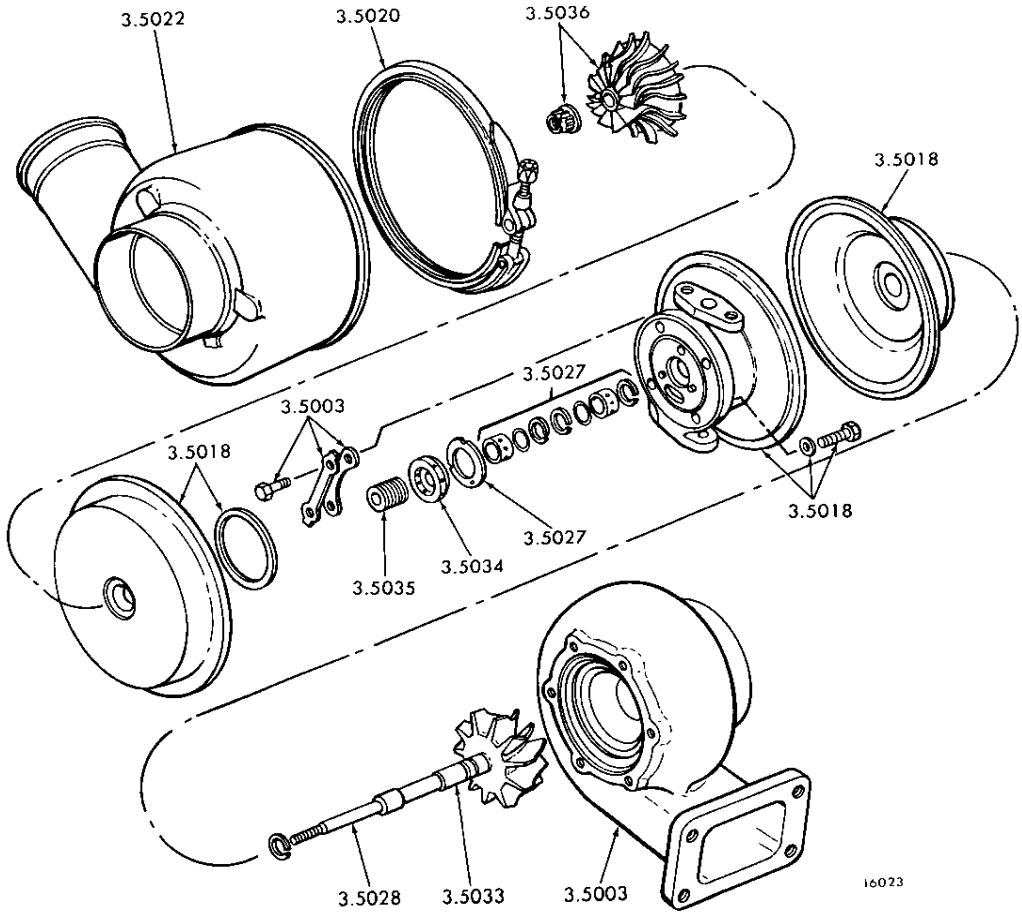


FIG. 5A TURBOCHARGER ASSEMBLY

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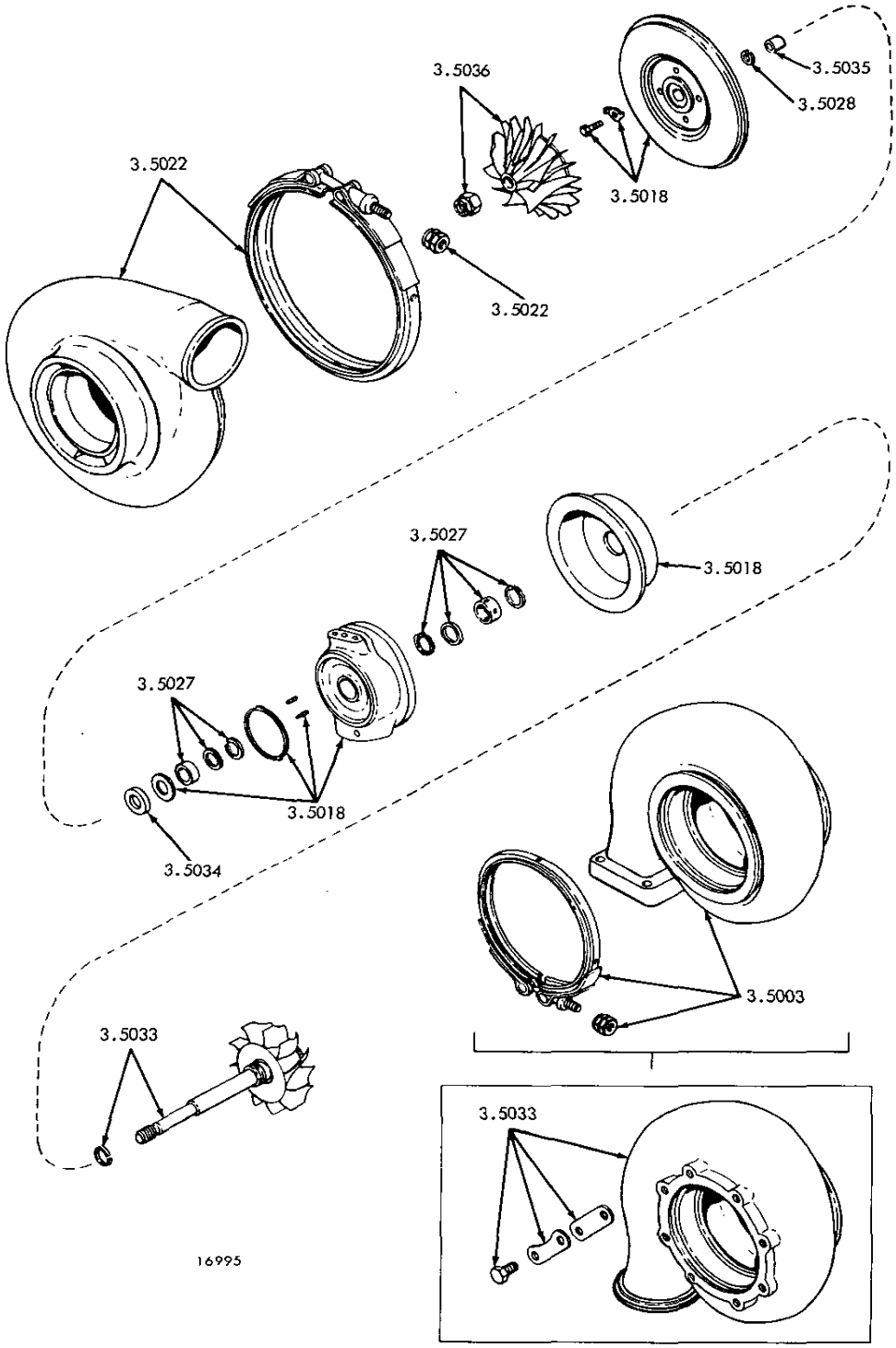


FIG. 5B TURBOCHARGER ASSEMBLY

Fig. 5B of 3.0000

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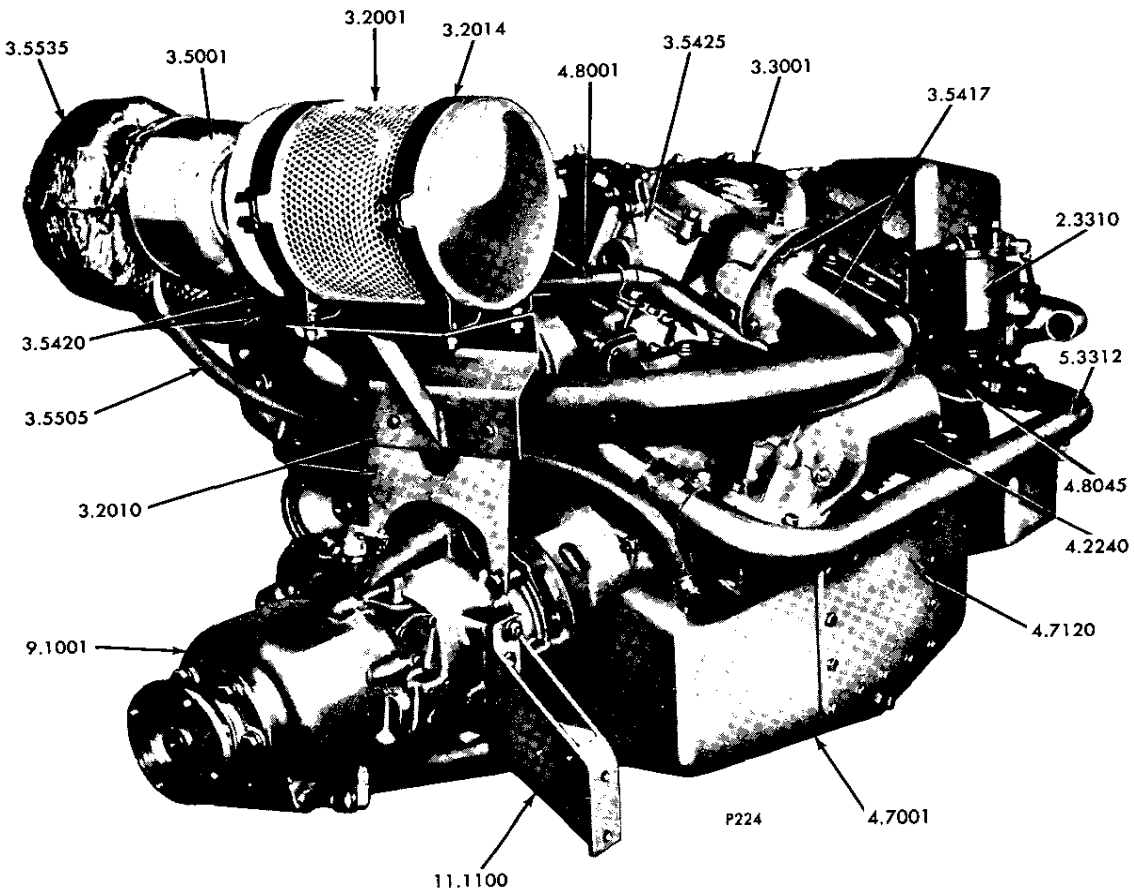


FIG. 10A TYPICAL 4-53 TURBOCHARGED - INTERCOOLED MARINE UNIT

Fig. 10A of 3.0000

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	149	150	151	155	194	195	196	197	198	199	200
		3.1001 - AIR CLEANER ASSY.												
		FOR TYPE 2 USE TYPE 241. SEE ASSEMBLY BREAKDOWN AS SHOWN. WHEN REPLACING AIR CLEANER ASSEMBLY, REFER TO 3.1220, 3.1230 FOR MTG. STRAPS AND BRACKETS.												
1C	**5114214**	AIR CLEANER ASSY. (12" DIA.) PAGE B1	1											
1B	**5645456**	AIR CLEANER ASSY. (9" DIA.) PAGE A1		2										
1A	**5113180**	* AIR CLEANER ASSY. (12" DIA.) PAGE A1			1			1						1
1A	**5123925**	@ AIR CLEANER ASSY. (12" DIA.) PAGE A1			1			1						1
1A	**5119046**	* AIR CLEANER ASSY. (10" DIA.) PAGE A1				1	1						1	
1A	**5139240**	@ AIR CLEANER ASSY. (10" DIA.) PAGE C1				1	1						1	
1C	**5188190**	AIR CLEANER ASSY. (10" DIA.) PAGE A1							1		1			
#	**5121347**	AIR CLEANER ASSY. (11" DIA.) PAGE A1								1		1		
	6421288	DECAL		2										
		* THRU 3D-2011, 4D-4013. NOT SERVICED. USE SECOND ASSY. SHOWN IN TYPE.												
		@ EFFECTIVE WITH 3D-2012, 4D-4014.												
		# FIG. 10D OF 1.0000.												
		3.1070 - BOLT, AIR CLEANER												
1B	**1543022**	BOLT (WING)		2										
		3.1075 - SEAL, AIR CLEANER BOLT												
	5178779	GASKET		2										
	5178780	RETAINER		2										
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING												
	5119217	ADAPTOR		1										
	5122195	ADAPTOR			1	1	1	1	1	1	1	1		
	5123298	ADAPTOR											1	
	5159347	SPACER, 3/4"O.D.X1/2"L. (7.1581)							4					
	186629	BOLT, 5/16"-18X1" (12.9001)		4	4	4	4	4	4	4	4	4	4	4
	120393	WASHER, 5/16" (12.9190)		4										
	103320	LOCKWASHER, 5/16" (12.9200)		4	4	4	4	4	4	4	4	4	4	4
		3.1087 - GASKET, AIR CLEANER MOUNTING ADAPTOR												
	5124405	GASKET (3.3007)			1	1	1	1	1	1	1	1	1	1

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	149	150	151	155	194	195	196	197	198	199	200
		3.1100 - PRE-CLEANER, AIR												
1C	9241663	HOOD ASSY. (4 1/2" PIPE DIA.)			1			1						1
1A	5183230	HOOD ASSY. (3 3/4" PIPE DIA.)				1	1						1	
		3.1220 - STRAP, AIR CLEANER MOUNTING												
	9211154	STRAP (12" DIA. CLEANER)	2											
	5185800	STRAP (12" DIA. CLEANER)			2			2						2
	5183229	STRAP (10" DIA. CLEANER) (3.2014)				2	2		2		2		2	
	186627	BOLT, 3/8"-24X1" (12.9001)								4				
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)							4	4				
	117049	NUT, 3/8"-24 (12.9120)							4	4				
		3.1230 - BRACKET, AIR CLEANER MOUNTING												
	5123479	BRACKET							1	1				
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)							3	3				
		3.1250 - SUPPORT, AIR CLEANER MOUNTING BRACKET												
	5123477	SUPPORT							1	1				
	179839	BOLT, 3/8"-16X1" (12.9001)							2	2				
		3.1260 - PIPE, AIR CLEANER TO INLET HSG.												
	5123482	PIPE (4"O.D.X25.60" DEV. L.)							1					
	5123483	+ PIPE (4"O.D.X28.40" DEV. L.)								1				
		+ OBSOLETE												
		3.1270 - HOSE, AIR INLET PIPE												
	5125281	* HOSE, 4"I.D.X4 1/2"							2	2				
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		3.1280 - CLAMP, AIR INLET PIPE HOSE												
	5113246	CLAMP, 4 3/4" DIA. HOSE (12.9660)							4	4				

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 204	207	210	211	214	215	217	218	219	220	221				
		3.1001 - AIR CLEANER ASSY.															
		SEE ASSEMBLY BREAKDOWN AS SHOWN. WHEN REPLACING AIR CLEANER ASSEMBLY, REFER TO 3.1220, 3.1230 FOR MTG. STRAPS AND BRACKETS.															
	NPN	AIR CLEANER (CUSTOMER FURNISHED)				AR											
1B	5645456	AIR CLEANER ASSY. (9" DIA.) PAGE A1			1												
1A	5113180	* AIR CLEANER ASSY. (12" DIA.) PAGE A1									1						
1A	5123925	@ AIR CLEANER ASSY. (12" DIA.) PAGE A1	2								1						
1A	5119046	* AIR CLEANER ASSY. (10" DIA.) PAGE A1						1									
1A	5139240	@ AIR CLEANER ASSY. (10" DIA.) PAGE C1						1									
1C	5188190	AIR CLEANER ASSY. (10" DIA.) PAGE A1					1										
&	5121347	AIR CLEANER ASSY. (11" DIA.) PAGE A1								1							
	5119045	AIR CLEANER ASSY. (7 DIA.) PAGE A1		1						1			1	1			
		* THRU 3D-2011, 4D-4013. NOT SERVICED. USE SECOND ASSY. SHOWN IN TYPE.															
		@ EFFECTIVE WITH 3D-2012, 4D-4014.															
		& FIG. 10D OF 1.0000.															
		3.1070 - BOLT, AIR CLEANER															
1B	1543022	BOLT (WING)			1												
		3.1075 - SEAL, AIR CLEANER BOLT															
	5178779	GASKET			1												
	5178780	RETAINER			1												
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING															
	5122195	ADAPTOR				1	1	1			1	1					
	5124786	ADAPTOR			1												
	5125221	* ADAPTOR											1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)				4											
	186629	BOLT, 5/16"-18X1" (12.9001)					4	4		4	4		4				
	179839	BOLT, 3/8"-16X1" (12.9001)			2												
	179858	BOLT, 7/16"-14X1" (12.9001)				4											
	103320	LOCKWASHER, 5/16" (12.9200)				4	4	4		4	4		4				
	103321	LOCKWASHER, 3/8" (12.9200)			2												
	103322	LOCKWASHER, 7/16" (12.9200)				4											
		* OBSOLETE															

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 204	207	210	211	214	215	217	218	219	220	221
		3.1087 - GASKET, AIR CLEANER MOUNTING ADAPTOR											
	5124405	GASKET (3.3007)					1	1		1	1		
	5168203	+ GASKET (3.3007)											1
		+ OBSOLETE											
		3.1100 - PRE-CLEANER, AIR											
1C	9241663	HOOD ASSY. (4 1/2" PIPE DIA.)	2								1		
1A	5183230	HOOD ASSY. (3 3/4" PIPE DIA.)						1					
1A	5119144	HOOD ASSY. (2 1/4" PIPE DIA.)		1					1			1	1
		3.1220 - STRAP, AIR CLEANER MOUNTING											
	5185800	STRAP (12" DIA. CLEANER)	4				2				2		
	5183229	STRAP (10" DIA. CLEANER) (3.2014)						2					
	5119142	STRAP (7" DIA. CLEANER)							2			2	2
	5124015	STRAP (11" DIA. CLEANER)								2			
	5177000	SPACER, 3/4" (7.1598)					4						
	117296	SCREW, 5/16"-18X1 1/2" FIL. HD. (12.9010)								2			
	181361	BOLT, 3/8"-24X7/8" (12.9001)						4		4	2		
	186627	BOLT, 3/8"-24X1" (12.9001)									2		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					4						
	103341	WASHER, 3/8" (12.9190)									4		
	103321	LOCKWASHER, 3/8" (12.9200)					4	4		4	4		
	120376	NUT, 5/16"-18 (12.9120)								2			
	117049	NUT, 3/8"-24 (12.9120)					4	4		4	4		
		3.1230 - BRACKET, AIR CLEANER MOUNTING											
	5125224	* BRACKET											1
	5125386	BRACKET					1	1		1	1		
	5124746	BRACKET							1				
	5125989	BRACKET										1	
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)					2	2		2	2		
	103321	LOCKWASHER, 3/8" (12.9200)							AR			AR	AR
	123234	NUT, 3/8"-16 (BRASS) (12.9120)							4			4	4
		* OBSOLETE											
		3.1250 - SUPPORT, AIR CLEANER MOUNTING BRACKET											
	5125385	SUPPORT					1	1			1	1	
	5125961	SUPPORT							1				

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 204	207	210	211	214	215	217	218	219	220	221
		3.1250 - SUPPORT, AIR CLEANER MOUNTING BRACKET (CONT'D)											
	5125994	SUPPORT										1	
	5125197	* SUPPORT											1
	179839	BOLT, 3/8"-16X1" (12.9001)					2	2	2		2	2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								2			
	5135321	BOLT, 3/8"-24X3 11/16" LOCK (12.9001)							2				
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)										2	2
	103321	LOCKWASHER, 3/8" (12.9200)					2	2		2	2		
		* OBSOLETE											
		3.1260 - PIPE, AIR CLEANER TO INLET HSG.											
	5125344	PIPE (4"O.D.X21.90" DEV. L.)					1	1					
	5124748	PIPE (2 5/8"O.D.X19.88" DEV. L.)							1			1	
	5125345	PIPE (4"O.D.X24.32" DEV. L.)								1	1		
	5125229	* PIPE (DEV. L. 21.62")											1
		* OBSOLETE											
		3.1270 - HOSE, AIR INLET PIPE											
	5143360	@ HOSE (3 1/4"I.D.X2") (4.4213)			1				1			1	
	5125281	@ HOSE (4"I.D.X4")					2	2		2	2		
	5119165	HOSE (2 5/8"I.D.X3 1/2")							1			1	1
	5199782	@ HOSE (2 3/4"I.D.X4") (5.3330)											1
		@ STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.											
		3.1280 - CLAMP, AIR INLET PIPE HOSE											
	5113246	CLAMP (4 3/4" DIA. HOSE) (12.9660)					4	4		4	4		
	9139813	CLAMP (4" DIA. HOSE) (3.5400)			2				1			1	
	5188036	CLAMP (3 1/2 DIA. HOSE) (12.9660)							3			3	4

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 225	226	227	238	239	241	242	248	249	250	254	257
		3.1001 - AIR CLEANER ASSY.												
		SEE ASSEMBLY BREAKDOWN AS SHOWN. WHEN REPLACING AIR CLEANER ASSEMBLY, REFER TO 3.1230, 3.1250 FOR MTG. BRACKETS AND SUPPORTS.												
	NPN	AIR CLEANER ASSY. (CUSTOMER FURNISHED)								AR				
1B	5645456	AIR CLEANER ASSY. (9" DIA.) PAGE A1	1			2	-	1					1	-
	5119045	AIR CLEANER ASSY. (7" DIA.) PAGE A1		1										
	5645454	# AIR CLEANER ASSY. (9" DIA.) PAGE A1			1									
	5647305	& AIR CLEANER ASSY. (9" DIA.) PAGE B1			1									
1A	5119046	% AIR CLEANER ASSY. (10" DIA.) PAGE A1					1							
1A	5139240	= AIR CLEANER ASSY. (10" DIA.) PAGE C1					1							
	5110120	@ * AIR CLEANER ASSY. (14" DIA.) (PAGE A1)							1					
1C	5127363	@ AIR CLEANER ASSY. (14" DIA.) PAGE B1							1					
	5128454	‡ AIR CLEANER ASSY. (FARR) (A-16109)									1			
1C	5114221	AIR CLEANER ASSY. (14 DIA.) PAGE A1										1		
1C	5100176	AIR CLEANER ASSY. (10 DIA.) PAGE B1												1
	1526641	+ DECAL	1			2		1					1	
	6421288	DECAL			1									2
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)									2			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)									2			
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)												2
	120376	NUT, 5/16"-18 (12.9120)												
		# THRU 3D-4521. NOT SERVICED, USE SECOND ASSY. SHOWN IN SAME TYPE.												
		& EFF. WITH 3D-4522 IN TYPE 227.												
		% THRU 3D-2011, 4D-4013. NOT SERVICED USE SECOND ASSY. SHOWN IN SAME TYPE.												
		= EFF. WITH 3D-2012, 4D-4014.												
		@ NOT SERVICED AS AN ASSY., COMPONENTS AVAILABLE. FOR COMPLETE REPLACEMENT USE SECOND ASSY. SHOWN IN SAME T YPE.												
		* THRU 6D-1879.												
		@ EFF. WITH 6D-1880.												
		‡ SERVICED AS AN ASSY. ONLY, FOR COMPONENTS CONTACT THE FARR COMPANY, LOS ANGELES, CALIF., FURNISHING THEIR ASSY. NUMBER SHOWN IN PARENTHESES.												
		+ OBSOLETE												
		3.1070 - BOLT, AIR CLEANER												
1B	1543022	BOLT, WING	1			2		1					1	
1B	1543116	BOLT, WING			1									

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 225	226	227	238	239	241	242	248	249	250	254	257
		3.1075 - SEAL, AIR CLEANER BOLT												
	5178779	GASKET	1			2		1					1	
	5178780	RETAINER	1			2		1					1	
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING												
	5124787	* ADAPTOR	1											
	5122195	ADAPTOR					1			1				
	5124786	ADAPTOR											1	
	5127238	ADAPTOR							1			1		
	5121182	PLUG, 1/4" PIPE (2.4015)							1			1		
	454813	BOLT, 3/8"-16X7/8" (12.9001)	2						8				2	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										4		
	186629	BOLT, 5/16"-18X1" (12.9001)					4			4				
	103341	WASHER, 3/8" (12.9190)							AR			AR		
	103320	LOCKWASHER, 5/16" (12.9200)					4			4		4		
	103321	LOCKWASHER, 3/8" (12.9200)	2						AR			AR	2	
		* OBSOLETE.												
		3.1087 - GASKET, AIR CLEANER MOUNTING ADAPTOR												
	5124405	GASKET (3.3007)					1			1				
	5127247	GASKET							1					
		3.1100 - PRE-CLEANER, AIR												
1A	5119144	HOOD ASSY. (2 1/4" PIPE DIA.)		1										
1A	5183230	HOOD ASSY. (3 3/4" PIPE DIA.)					1							
1C	5114220	% HOOD ASSY.										1		
1A	9241664	HOOD ASSY. (5" PIPE DIA.)							1					
		% OBSOLETE												
		3.1220 - STRAP, AIR CLEANER MOUNTING												
	5185801	STRAP (14" DIA. CLEANER)							2			2		
	5119142	STRAP (7" DIA. CLEANER)		2		2								
	5183229	STRAP (10" DIA. CLEANER)					2							
	186627	BOLT, 3/8"-24X1" (12.9001)					4							
	103341	WASHER, 3/8" (12.9190)					4							
	103321	LOCKWASHER, 3/8" (12.9200)					4							
		3.1230 - BRACKET, AIR CLEANER MOUNTING												
	5124746	BRACKET		1										
	5125092	BRACKET					1							
	5123479	BRACKET								1				

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 225	226	227	238	239	241	242	248	249	250	254	257
		3.1230 - BRACKET, AIR CLEANER MOUNTING (CONT'D)												
	5108246	BRACKET												1
	179838	BOLT, 3/8"-16X7/8" (12.9001)		4										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)												2
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												2
	5135321	BOLT, 3/8"-24X3 11/16" LOCK (12.9001)					2							
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)								3				
	103321	LOCKWASHER, 3/8" (12.9200)		4						3				4
	123234	NUT, 3/8"-16 (12.9120)		4										
		3.1250 - SUPPORT, AIR CLEANER MOUNTING BRACKET												
	5124747	SUPPORT		1										
	5125093	SUPPORT					1							
	5123477	SUPPORT								1				
	5100059	SUPPORT											1	
	179839	BOLT, 3/8"-16X1" (12.9001)		2			2			2				
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)											2	
	5170490	% BOLT, 3/8"-24X3 13/16" LOCK (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)					2			2				
	117049	NUT, 3/8"-24 (12.9120)											2	
		% OBSOLETE												
		3.1260 - PIPE, AIR CLEANER TO INLET HOUSING												
	5124748	PIPE (2 5/8"O.D.X19.88" DEV. L.)		1										
	5125094	PIPE (4"O.D.X17.24" DEV. L.)					1							
	5123482	PIPE (4"O.D.X25.60" DEV. L.)								1				
	5128604	PIPE									1			
	5100372	PIPE (4"O.D.X6.76" DEV. L.)												1
		3.1270 - HOSE, AIR INLET PIPE												
	5143360	* HOSE (3 1/4"I.D.X2") (4.4213)	1		1								1	
	5124749	HOSE (FORMED)		1							1			
	5119165	HOSE (2 5/8"I.D.X3 1/2")		1							1			
	5125281	* HOSE, 4"I.D.X4 1/2"					2			2				
	5125281	* HOSE, 4"I.D.X2 1/4"												2
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		3.1280 - CLAMP, AIR INLET PIPE HOSE												
	9139813	CLAMP (4" DIA. HOSE) (3.5400)	2	1							1		2	
	5188036	CLAMP, 2 9/16"-3 1/2" DIA. HOSE (12.9660)		3							3			

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 225	226	227	238	239	241	242	248	249	250	254	257
		3.1280 - CLAMP, AIR INLET PIPE HOSE (CONT'D)												
	5113246	CLAMP (4 3/4" DIA. HOSE) (12.9660)					4			4				4

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	265	266	267	268	269	270	271	274	276
		3.1001 - AIR CLEANER ASSY.											
		SEE ASSEMBLY BREAKDOWN AS SHOWN. WHEN REPLACING AIR CLEANER ASSEMBLY, REFER TO 3.1230, 3.1250 FOR MTG. BRACKETS AND SUPPORTS.											
	NPN	AIR CLEANER ASSY. (CUSTOMER FURNISHED)		AR	AR	AR			AR	AR			
1B	5645456	AIR CLEANER ASSY. (9" DIA.) PAGE A1									2		
	5647305	AIR CLEANER ASSY. (9" DIA.) PAGE B1										1	
	5100373	AIR CLEANER ASSY. (10" DIA.) PAGE B1	1										
	5113180	@ AIR CLEANER ASSY. (12" DIA.) PAGE A1					1	1					
1A	5123925	& AIR CLEANER ASSY. (12" DIA.) PAGE A1					1	1					1
	5162977	% AIR CLEANER ASSY. (14" DIA.) PAGE B1										1	
	1526641	+ DECAL											
		@ THRU 3D-2011, 4D-4013. NOT SERVICED; USE SECOND ASSY. SHOWN IN SAME TYPE.											
		& EFF. WITH 3D-2012, 4D-4014.											
		% NOT SERVICED AS AN ASSY., USE COMPONENTS.											
		+ OBSOLETE.											
		3.1070 - BOLT, AIR CLEANER											
1B	1543116	BOLT, WING										1	
	3813165	= STUD									2		
	103127	NUT, 1/4"-20 WING (12.9160)									2		
		= PROCURE FROM CHEVROLET.											
		3.1075 - SEAL, AIR CLEANER BOLT											
	5178779	GASKET									2		
	5178780	RETAINER									2		
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING											
	5108342	ADAPTOR	1										
	5123298	ADAPTOR		1			1	1					
	5119217	ADAPTOR				1							
	3799884	* ADAPTOR									1		
	5127238	ADAPTOR			1					1			1
	5100353	@ TEE							1				
	3799886	* BRACE									1		
	5121182	PLUG, 1/4" PIPE (2.4015)			1				1	1			1
	180120	BOLT, 3/8"-16X3/4" (12.9001)									1		
	454813	BOLT, 3/8"-16X7/8" (12.9001)									1		
	179839	BOLT, 3/8"-16X1" (12.9001)								4			4

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	265	266	267	268	269	270	271	274	276
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING (CONT'D)											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							1				
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)							3				
	186625	BOLT, 5/16"-18X7/8" (12.9001)									4		
	186629	BOLT, 5/16"-18X1" (12.9001)		4		4	4	4					
	103341	WASHER, 3/8" (12.9190)			AR	4			AR	AR			AR
	103320	LOCKWASHER, 5/16" (12.9200)		4		4	4	4			4		
	103321	LOCKWASHER, 3/8" (12.9200)			AR				AR	AR	2		AR
		* PROCURE FROM GMPD.											
		@ OBSOLETE											
		3.1087 - GASKET, AIR CLEANER MOUNTING ADAPTOR											
	5124405	GASKET (3.3007)	1	1		1	1	1			1		
	5127247	GASKET			1				1	1			1
		3.1100 - PRE-CLEANER, AIR											
1A	5183230	HOOD ASSY. (3 3/4" PIPE DIA.)	1										
1A	9241663	HOOD ASSY. (4 1/2" PIPE DIA.)					1	1					
1A	9241664	HOOD ASSY. (5" PIPE DIA.)											1
		3.1220 - STRAP, AIR CLEANER MOUNTING											
	5197821	STRAP (10" DIA. CLEANER)	2										
	5185800	STRAP (12" DIA. CLEANER)					2	2					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					3	3					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1	1					
	103341	WASHER, 3/8" (12.9190)					4	4					
	102635	NUT, 3/8"-16 (12.9120)					4	4					
		3.1230 - BRACKET, AIR CLEANER MOUNTING											
	5109243	+ BRACKET					1						
	5109244	+ BRACKET						1					
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)					3	3					
		+ OBSOLETE.											
		3.1250 - SUPPORT, AIR CLEANER MOUNTING BRACKET											
	5109245	+ SUPPORT					2	2					
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)					2	2					
	103343	WASHER, 1/2" (12.9190)					2	2					

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	265	266	267	268	269	270	271	274	276
		3.1250 - SUPPORT, AIR CLEANER MOUNTING BRACKET (CONT'D)											
		+ OBSOLETE.											
		3.1260 - PIPE, AIR CLEANER TO INLET HOUSING											
	5109248	PIPE, 4"O.D.X22.60" DEV. L.					1	1					
		3.1270 - HOSE, AIR INLET PIPE											
	5136038	* HOSE, 3 1/2"I.D.X4 1/2"	2										
	5125281	* HOSE, 4"I.D.X4"					2	2					
	5129006	HOSE, 5"I.D.X4 1/2"											2
		* STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.											
		3.1280 - CLAMP, AIR INLET PIPE HOSE											
	9139813	CLAMP, 4" DIA. HOSE (3.5400)	8										
	5113246	CLAMP, 4 3/4" DIA. HOSE (12.9660)					4	4					
	5114937	CLAMP, 6" DIA. HOSE											8

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 278	286	288	294	295	303	305	308	314	324	325	327
		3.1001 - AIR CLEANER ASSY.												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. WHEN REPLACING AIR CLEANER ASSEMBLY, REFER TO 3.1220 THROUGH 3.1250 FOR MTG. SUPPORTS, STRAPS AND BRACKETS.												
	NPN	AIR CLEANER ASSY. (CUSTOMER FURNISHED)						1	1					
	5114214	AIR CLEANER ASSY. (12" DIA.) PAGE B1	1											
	5131371	AIR CLEANER ASSY. (10" DIA.) PAGE B1		1										
	5131779	AIR CLEANER ASSY. (10" DIA.) PAGE B1			1									
	5132161	* AIR CLEANER ASSY. (10" DIA.) PAGE B1				1								
	5121347	AIR CLEANER ASSY. (11" DIA.) PAGE A1					2							
	5131759	@ AIR CLEANER ASSY. (16" TUBE) (FARR) (B-19574)								1				
	5136239	AIR CLEANER ASSY. (14" DIA.) PAGE C1									1			
	5100373	AIR CLEANER ASSY. (10" DIA.) PAGE B1										1	1	
	5123925	AIR CLEANER ASSY. (12" DIA.) PAGE A1												1
	133832	SCREW, 5/16"-18X7/8" FIL. HD. (12.9025)			4						4			
	179838	BOLT, 3/8"-16X7/8" (12.9001)								4				
	103321	LOCKWASHER, 3/8" (12.9200)								4				
		* OBSOLETE.												
		@ SERVICED AS AN ASSY., FOR COMPONENTS CONTACT THE FARR CO., LOS ANGELES, CALIF., FURNISHING THEIR ASSY. NUMBER SHOWN IN PARENTHESES.												
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING												
	5122195	ADAPTOR	1	1		1								
	5124786	ADAPTOR						1	1					
	5108342	ADAPTOR										1	1	
	5100353	* TEE					1							
	5121182	PLUG, 1/4 PIPE (2.4015)					1							
	186629	BOLT, 5/16"-18X1" (12.9001)	4	4		4						4	4	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							2					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					1							
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)					3							
	103341	WASHER, 3/8" (12.9190)					AR							
	103320	LOCKWASHER, 5/16" (12.9200)	4	4		4						4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)					AR		2					
		* OBSOLETE												
		3.1087 - GASKET, AIR CLEANER MOUNTING ADAPTOR												
	5124405	GASKET (3.3007)	1	1	1	1	1				1	1	1	1

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 278	286	288	294	295	303	305	308	314	324	325	327
		3.1100 - PRE-CLEANER, AIR												
1A	5183230	HOOD ASSY. (3 3/4" PIPE DIA.)		1								1	1	
	5132163	+ HOOD ASSY.				1								
	9241663	HOOD ASSY. (4 1/2" PIPE DIA.)												1
		+ NOT SERVICED, PROCURE THRU UNITED SPECIALITIES (#N6C65).												
		3.1220 - STRAP, AIR CLEANER MOUNTING												
	5183229	STRAP (10" DIA. CLEANER) (3.2014)		2										
	5197821	STRAP (10" DIA. CLEANER)										2	2	
	5124015	STRAP (11" DIA. CLEANER)					2							
	9193393	STRAP (12" DIA. CLEANER)	2											
	5185800	STRAP (12" DIA. CLEANER)												2
	181361	BOLT, 3/8"-24X7/8" (12.9001)		4								4	4	
	103321	LOCKWASHER, 3/8" (12.9200)		4								4	4	
	117049	NUT, 3/8"-24 (12.9120)		4								4	4	
		3.1230 - BRACKET, AIR CLEANER MOUNTING												
	5125386	BRACKET		1								1	1	
	5132162	@ BRACKET				2								
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)		2								2	2	
	103321	LOCKWASHER, 3/8" (12.9200)		2								2	2	
		@ NOT SERVICED, PROCURE THRU UNITED SPECIALITIES (#223C10K01).												
		3.1250 - SUPPORT, AIR CLEANER MOUNTING BRACKET												
	5125385	SUPPORT		1								1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)		2								2	2	
	103321	LOCKWASHER, 3/8" (12.9200)		2								2	2	
		3.1260 - PIPE, AIR CLEANER TO INLET HOUSING												
	5125344	PIPE (4"O.D.X21.90" DEV. L.)		1										
	5131910	PIPE (5 1/2" O.D.)								1				
	5139290	PIPE (3 1/2"O.D.X15" L.)											1	
	5123128	PIPE												1
		3.1270 - HOSE, AIR INLET PIPE												
	5125281	* HOSE (4"I.D.X4")		2										
	5143360	* HOSE (3 1/4"I.D.X2")							1					
	5136038	* HOSE (3 1/2"I.D.X4 1/2")										2	2	
		* STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.												

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 278	286	288	294	295	303	305	308	314	324	325	327
		3.1280 - CLAMP, AIR INLET PIPE HOSE												
	5113246	CLAMP (4 3/4 DIA. HOSE) (12.9660)		4										
	9139813	CLAMP (4" DIA. HOSE) (3.5400)							2			4	4	

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	340	343	345	352	367	374	376
		3.1001 - AIR CLEANER ASSY.									
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW. WHEN REPLACING AIR CLEANER ASSEMBLY. REFER TO 3.1220 THROUGH 3.1 250 FOR MTG. SUPPORTS, STRAPS AND BRACKETS.									
	5141522	AIR CLEANER ASSY., 6.5" DIA. PAGE A1	1								
	5141521	AIR CLEANER ASSY., 8" DIA. PAGE C1		1							
1C	**5127363**	AIR CLEANER ASSY., 14" DIA. PAGE B1				1					
	5121347	AIR CLEANER ASSY., 11" DIA. PAGE A1						1			
1C	**5114221**	AIR CLEANER ASSY., 14" DIA. PAGE A1							1		
1B	**5645456**	AIR CLEANER ASSY., 9" DIA. PAGE A1									2
	5143474	# KIT, AIR CLEANER 10" DIA. PAGE C1			1						
	5144210	@ KIT, AIR CLEANER 32" TUBE (FARR) (B-37261)					1				
	6421288	DECAL									2
	179838	BOLT, 3/8"-16X7/8" (12.9001)					4				
	103321	LOCKWASHER, 3/8" (12.9200)					4				
		@ SERVICED AS AN ASSY., FOR COMPONENTS CONTACT THE FARR CO., LOS ANGELES, CALIF., FURNISHING THEIR ASSY. NU MBER SHOWN IN PARENTHESES.									
		# INCLUDES ITEMS IN 3.1002, 3.1100 AND 3.1220.									
		3.1002 - INDICATOR, AIR CLEANER RESTRICTION									
	5143481	INDICATOR			1						
	5141516	KIT, INDICATOR	1	1			1				
		3.1020 - COVER, AIR CLEANER									
	5141520	CAP, 2 1/2" I.D.	1								
	5141518	CAP, 3" I.D.		1							
		3.1070 - BOLT, AIR CLEANER									
1B	**1543022**	BOLT, 1/4"-20X9 7/8" WING									2
		3.1075 - SEAL, AIR CLEANER BOLT									
	5178779	GASKET									2
	5178780	RETAINER									2
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING									
	5122195	ADAPTOR			1			1		1	
	5141423	ADAPTOR		1							
	5140016	+ ADAPTOR				1					
	5119217	ADAPTOR									1
	8927361	FLANGE									1
	5121182	PLUG, 1/4" PIPE (2.4015)				1					
	5127238	ELBOW				1					
	186625	BOLT, 5/16"-18X7/8 (12.9001)								4	
	186629	BOLT, 5/16"-18X1" (12.9001)		4	4			4			
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)									4
	8927582	BOLT, 3/8"-16X1 1/8" (12.9001)				8					
	103341	WASHER, 3/8" (12.9190)				AR					

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	340	343	345	352	367	374	376
		3.1085 - ADAPTOR, AIR CLEANER MOUNTING (CONT'D)									
	120393	WASHER, 11/32"X11/16" (12.9190)									4
	103320	LOCKWASHER, 5/16" (12.9200)		4	4			4		4	4
	103321	LOCKWASHER, 3/8" (12.9200)				AR					

+ OBSOLETE.

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	340	343	345	352	367	374	376
		3.1087 - GASKET, AIR CLEANER MOUNTING ADAPTOR									
	5127247	GASKET				1					
	5124405	GASKET									1
		3.1100 - PRE-CLEANER ASSY., AIR									
	5143482	HOOD ASSY.			1		1				
1A	9241664	HOOD ASSY. (5" PIPE DIA.)				1					
		3.1220 - STRAP, AIR CLEANER MOUNTING									
	9133764	STRAP, 6.5" DIA. CLEANER	2								
	5181514	+ STRAP, 8" DIA. CLEANER		2							
	5183229	STRAP, 10" DIA. CLEANER (3.2014)			2						
	5124015	STRAP, 11" DIA. CLEANER						2			
	5185801	STRAP, 14" DIA. CLEANER				2					
	181596	BOLT, 5/16"-24X7/8" (12.9001)		4							
	181361	BOLT, 3/8"-24X7/8" (12.9001)	4	4				2			
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)						2			
	120393	WASHER, 5/16" (12.9190)		AR							
	103341	WASHER, 3/8" (12.9190)	AR								
	103320	LOCKWASHER, 5/16" (12.9200)		4							
	103321	LOCKWASHER, 3/8" (12.9200)		4				4			
	114493	NUT, 5/16"-24 LOCK (2.7170)		4							
	103026	NUT, 3/8"-24 (12.9120)	4					4			
		+ NOT SERVICED, USE (1) EACH OF 5102560, 179826, 120376 AND 103320.									
		3.1230 - BRACKET, AIR CLEANER MOUNTING									
	5125386	BRACKET						1			
	5141385	BRACKET	1	1							
	5139861	* BRACKET				1					
	5141063	* BRACKET				1					
	5179138	SPACER, 17/32"X7/8"X1 3/8" (4.2460)				2					
	5174085	SPACER, 15/32" I.D.X3/8" (2.7960)				4					
	181361	BOLT, 3/8"-24X7/8" (12.9001)		2							
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)	2								
	5170490	* BOLT, 3/8"-24X3 13/16" (12.9001)	2	2							
	5121466	BOLT, 3/8"-24X3 7/8" (12.9001)						2			
	186645	BOLT, 7/16"-20X1 1/4" (12.9001)				3					
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)				3					
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)				1					
	186692	BOLT, 1/2"-20X2 3/4" (12.9001)				2					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	2				2			
	103322	LOCKWASHER, 7/16" (12.9200)				7					
	103323	LOCKWASHER, 1/2" (12.9200)				4					
	103026	NUT, 3/8"-24 (12.9120)	2	2							
	456939	NUT, 7/16"-20 (12.9120)				7					
	103028	NUT, 1/2"-20 (12.9120)				4					
		* OBSOLETE.									

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	340	343	345	352	367	374	376
		3.1250 - SUPPORT, AIR CLEANER MOUNTING BRACKET									
	5125385	SUPPORT						1			
	5124747	SUPPORT	1	1							
	5141062	+ SUPPORT				1					
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2				2			
	122408	BOLT, 1/2"-13X1" (12.9001)				2					
		+ OBSOLETE.									
		3.1260 - PIPE, AIR CLEANER TO INLET HOUSING									
	5125344	PIPE, 4"O.D.X21.90" DEV. L.						1			
	5141417	PIPE, 2 1/4" O.D.	1								
	5141422	PIPE, 3" O.D. (3.2166)		1							
	5139913	+ PIPE, 5 1/2"O.D.X16"L.				1					
	5144259	PIPE (ADAPTOR)					1				
		+ OBSOLETE.									
		3.1270 - HOSE, AIR INLET PIPE									
	5125281	* HOSE, 4"I.D.X4"						2			
	5199779	* HOSE, 2 1/4"I.D.X3.32" (5.3290)	1								
	5124749	HOSE (FORMED)	1								
	5114853	* HOSE, 3" I.D. X 3" (5.3335)		2							
	5108270	* HOSE, 5 1/2" I.D. X 3.50"L.				2					
		* STANDARD LENGTH HOSE CUT TO LENGTH SHOWN.									
		3.1280 - CLAMP, AIR INLET PIPE HOSE									
	5113246	CLAMP, 4 3/4" DIA. HOSE (12.9660)						4			
	9139813	CLAMP, 4" DIA. HOSE (3.5400)	1								
	8920537	CLAMP, 2" DIA. HOSE (12.9660)	2								
	5188036	CLAMP, 3" DIA. HOSE (12.9660)	1	4							
	5114937	CLAMP, 6" DIA. HOSE				4					

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1001 - AIR CLEANER ASSY.														
1B	5645456	AIR CLEANER ASSY. (9" AC)	1													
1B	5645454	* AIR CLEANER ASSY. (9" AC)		1												
1A	5113180	* AIR CLEANER ASSY. (12" DONALDSON)			1											
1C	5119045	AIR CLEANER ASSY. (7" DONALDSON)				1										
1A	5119046	* AIR CLEANER ASSY. (10" DONALDSON)					1									
1C	5114221	AIR CLEANER ASSY. (14" DONALDSON)						1								
	5121347	AIR CLEANER ASSY. (11" DONALDSON)							1							
1C	5188190	AIR CLEANER ASSY. (10" DONALDSON)								1						
1A	5110120	* AIR CLEANER ASSY. (14" DONALDSON)									1					
1C	5123925	AIR CLEANER ASSY. (12" DONALDSON)										1				
		* NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		3.1010 - CUP, AIR CLEANER OIL														
1C	5194491	CUP (10" CLEANER)								1						
1A	5195329	CUP (12" CLEANER)			1											
1C	5195331	CUP (14" CLEANER)						1								
1A	5196152	CUP (10" CLEANER)					1									
1C	5196612	CUP (7" CLEANER)				1										
1C	5196613	* CUP (7" CLEANER) (INNER)				1										
1C	5196943	CUP (12" CLEANER) (INNER)										1				
1C	5196944	CUP (12" CLEANER)										1				
1A	9024612	CUP (14" CLEANER)									1					
		* OBSOLETE														
		3.1020 - COVER, AIR CLEANER														
1B	1526518	COVER		1												
1B	1543442	* COVER	1													
		* OBSOLETE														
		3.1025 - GASKET, AIR CLEANER COVER														
1B	1544160	GASKET	1	1												
		3.1040 - SCREEN, AIR CLEANER														
1A	5195328	SCREEN (12" CLEANER)			1											
1A	9024611	SCREEN (14" CLEANER)									1					
1A	5196151	SCREEN (10" CLEANER)					1									
		3.1050 - ELEMENT, AIR CLEANER														
1B	1529641	ELEMENT (INCLUDES GASKET IN 3.1055)	1													
1B	1542188	+ ELEMENT		1												
1C	5195330	ELEMENT (14" CLEANER) (3.1040)						1								

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1050 - ELEMENT, AIR CLEANER (CONT'D)														
1C	**5196942**	ELEMENT (12" CLEANER) + PROCURE THRU AC DELCO.										1				
		3.1055 - GASKET, AIR CLEANER SCREEN														
1B	**1526269**	GASKET	1													
1A	**5193157**	GASKET					2									
1A	**5193159**	GASKET									2					
1A	**5193289**	GASKET			2											
		3.1060 - GASKET, AIR CLEANER BOTTOM														
1B	**1528828**	GASKET	1													
1B	**1542131**	GASKET		1												
		3.1070 - BOLT, AIR CLEANER														
1A	**5192998**	ROD ASSY. (INCLUDES BOLT AND NUT)			2		2									
1C	**5196945**	ROD ASSY. (INCLUDES BOLT AND NUT)										2				
1A	**9024610**	ROD ASSY. (INCLUDES BOLT AND NUT)									2					
	5198032	CLAMP ASSY.							1							
1C	**5194492**	CLAMP ASSY.								1						
1C	**5195327**	CLAMP ASSY.						1								
1C	**5196611**	CLAMP ASSY.				1										
1C	**5197637**	BAND ASSY.										2				
	9047565	WASHER, SQUARE								1						

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1001 - AIR CLEANER ASSY.														
1C	**5129859**	* AIR CLEANER ASSY. (10" DONALDSON)	1													
1C	**5100176**	AIR CLEANER ASSY. (10" DONALDSON)		1												
	5100373	AIR CLEANER ASSY. (10" DONALDSON)			1											
1C	**5114214**	AIR CLEANER ASSY. (12" DONALDSON)				1										
18	**5647305**	AIR CLEANER ASSY. (9" AC)					1									
	5162977	* AIR CLEANER ASSY. (14" DONALDSON)						1								
1C	**5127363**	AIR CLEANER ASSY. (14" DONALDSON)							1							
	5131371	AIR CLEANER ASSY. (10" DONALDSON, DRY TYPE)								1						
	5131779	AIR CLEANER ASSY. (10" UNITED SPECIALTIES, DRY TYPE)									1					
	5132161	* AIR CLEANER ASSY. (10" UNITED SPECIALTIES, DRY TYPE)										1				
	5197937	DECAL									1					
		* NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		3.1010 - CUP, AIR CLEANER														
1C	**5193164**	CUP (10" CLEANER)	1													
1C	**5195334**	CUP (12" CLEANER)				1										
1C	**5196951**	CUP (14" CLEANER) (INNER)							1							
1C	**5196952**	CUP (14" CLEANER)							1							
	5197831	CUP (10" CLEANER)								1						
		3.1020 - COVER, AIR CLEANER														
	1544300	COVER					1									
		3.1025 - GASKET, AIR CLEANER COVER														
18	**1544160**	GASKET					1									
		3.1030 - BODY, AIR CLEANER														
	5197956	UNLOADER, DUST									1	1				
	5186840	CLAMP, 3/4"-1" HOSE (12.9660)									1	1				
		3.1045 - BAFFLE, AIR CLEANER														
	5197832	BAFFLE								1						

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1050 - ELEMENT, AIR CLEANER														
1C	**2417741**	ELEMENT (10" CLEANER)	1													
	2447380	ELEMENT (10" CLEANER)			1											
1C	**5195333**	ELEMENT (12" CLEANER)				1										
	5649375	ELEMENT (9" CLEANER)					1									
1C	**5196950**	ELEMENT (14" CLEANER)						1	1							
	5197828	ELEMENT (10" CLEANER)								1						
	5197935	ELEMENT (10" CLEANER)									1					
	5197962	ELEMENT (10" CLEANER)										1				
	5197961	RETAINER ASSY., ELEMENT										1				
		3.1055 - GASKET, AIR CLEANER SCREEN														
	5197833	GASKET								1						
		3.1060 - GASKET, AIR CLEANER BOTTOM														
1B	**1542131**	GASKET					1									
		3.1070 - BOLT, AIR CLEANER														
1C	**5193165**	CLAMP ASSY.	1													
1C	**5194492**	CLAMP ASSY.		1						1						
1C	**5195335**	ROD ASSY. (INCLUDES BOLT AND NUT)				2										
1C	**5196945**	ROD ASSY. (INCLUDES BOLT AND NUT)			2				2							
1C	**5197634**	BAND							2							
	5197830	BOLT ASSY. (ELEMENT TO BODY)								1						
	1543116	BOLT ASSY.					1									
	5197936	* SPRING									1					
	9047565	WASHER, SQUARE		1						1						

* OBSOLETE

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1001 - AIR CLEANER ASSY.														
	5136239	AIR CLEANER ASSY. (14" UNITED SPECIALTIES, DRY TYPE)	1													
	5141521	AIR CLEANER ASSY. (8" DONALDSON)		1												
	5141522	AIR CLEANER ASSY. (6.5" DONALDSON)			1											
	5139240	AIR CLEANER ASSY. (10" DONALDSON)				1										
	5143474	KIT, AIR CLEANER (10" DONALDSON)					1									
	5198738	DECAL	1													
	5141717	DECAL		1												
	5141716	DECAL			1											
	5198862	DECAL				1										
		3.1010 - CUP, AIR CLEANER														
	5198870	CUP (8" CLEANER)		1												
	5198873	CUP (6.5" CLEANER)			1											
	5198864	CUP (10" CLEANER)				1										
	5198865	CUP (10" CLEANER)				1										
	5199797	CUP (10" CLEANER)					1									
		3.1030 - BODY, AIR CLEANER														
	5197956	UNLOADER, DUST	1													
	5186840	CLAMP, 3/4"-1" HOSE (12.9660)	1													
		3.1045 - BAFFLE, AIR CLEANER														
	9033641	BAFFLE					1									
		3.1050 - ELEMENT, AIR CLEANER														
	5198737	ELEMENT (14" CLEANER)	1													
	5198867	ELEMENT (8" CLEANER)		1												
	5198871	ELEMENT (6.5" CLEANER)			1											
	2447380	ELEMENT (10" CLEANER)				1										
	5197828	ELEMENT (10" CLEANER) (INCLUDE GASKET IN 3.1055)					1									
	5198868	NUT ASSY.		1	1											
		3.1055 - GASKET, AIR CLEANER SCREEN														
	5197833	GASKET					1									
		3.1070 - BOLT, AIR CLEANER														
	5197830	BOLT ASSY. (ELEMENT TO BODY)					1									
	5197936	+ SPRING	1													
	5198869	CLAMP ASSY. (6.5" DIA.)		1												

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3.1000A AIR CLEANER AND/OR ADAPTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.1070 - BOLT, AIR CLEANER (CONT'D)														
	5198872	CLAMP ASSY. (8" DIA.)			1											
	5196945	ROD ASSY. (INCLUDES BOLTS AND NUTS)				1										
	5194492	CLAMP ASSY. (10" DIA.)					1									
	9047565	WASHER, SQUARE					1									
		+ OBSOLETE.														

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3.2000A AIR SILENCER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 19	20	23	27	28	29	32	34	38	44	55	70
		3.2001 - SILENCER, AIR												
	5116020	SILENCER, 3-53	1				1					1		
*	5116021	SILENCER, 4,6V53		1	1	1		1						
	5134402	SILENCER, 8V53							1					
	5136151	SILENCER, 8V53								1				
10A	5106017	SILENCER, 4-53									1			
	5104988	SILENCER, 6V53T											2	2
	181595	BOLT, 5/16"-24X3/4" (12.9001)									4			
	179839	BOLT, 3/8"-16X1" (12.9001)												2
*	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	4	4	4			4						
	455537	BOLT, 3/8"-16X4" (12.9001)				2	2					2		
	272547	BOLT, 3/8"-16X6 1/2" (12.9001)				2	2							
	5159714	WASHER, 11/16"X1/8" (2.7290)									4			
	103320	LOCKWASHER, 5/16" (12.9200)									4			
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4				4		4
	114493	NUT, 5/16"-24 LOCK (2.7170)									4			
	102635	NUT, 3/8"-16 (12.9120)												4
		* FIGS. 6A AND 6B OF 5.0000.												
		3.2002 - ELEMENT, AIR SILENCER												
	6422214	ELEMENT, 7"L. FOAM 8V53								1	1			
		3.2010 - SUPPORT, AIR SILENCER												
	5134141	SUPPORT							1					
	5107097	SUPPORT											2	2
	5136244	BRACKET								1				
10A	5138765	BRACKET									1			
10A	5138757	BRACKET									1			
	5164294	SPACER, 7/8"-13/32X1/8" THK. (7.1581)											2	2
	100014	BOLT, 5/16"-24X1" (12.9001)									2			
	179858	BOLT, 7/16"-14X1" (12.9001)							3	3				
	179838	BOLT, 3/8"-16X7/8" (12.9001)											2	2
	179839	BOLT, 3/8"-16X1" (12.9001)											2	4
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											4	4
	103342	WASHER, 7/16" (12.9190)							1	1				
	5159714	WASHER, 11/16"X1/8" (2.7290)									2			
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	103322	LOCKWASHER, 7/16" (12.9200)							3	3				
	114493	NUT, 5/16"-24 LOCK (2.7170)									2			
		3.2012 - GASKET, AIR SILENCER												
	5196053	GASKET, SCREEN (3.4025)										1		
		3.2014 - STRAP, AIR SILENCER MOUNTING												
	5134140	STRAP							2	2				
10A	5181514	* STRAP (3.1220)									2			
	179838	BOLT, 3/8"-16X7/8" (12.9001)							2	1				
	179858	BOLT, 7/16"-14X1" (12.9001)							2	2				
	103341	WASHER, 3/8" (12.9190)							2	1				
	103342	WASHER, 7/16" (12.9190)							2	2				
	103321	LOCKWASHER, 3/8" (12.9200)							2	1				
	102635	NUT, 3/8"-16 (12.9120)							2	1				
	123242	NUT, 7/16"-14 (12.9120)							1	1				
		* NOT SERVICED. USE (1) EACH OF 5102560, 179826, 120376 AND 103320.												

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3.2000A AIR SILENCER

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 19	20	23	27	28	29	32	34	38	44	55	70
		3.2015 - ADAPTOR, AIR SILENCER												
	5125075	ADAPTOR			1									
	179839	BOLT, 3/8"-16X1" (12.9001)			6									
	103321	LOCKWASHER, 3/8" (12.9200)			6									
		3.2023 - HOSE, AIR SILENCER OUTLET ELBOW												
	5108270	* HOSE, 5 1/2"I.D.X3 1/2"L. (3.1270)							1	1				
	5125281	* HOSE, 4"I.D.X2.26" (3.1270)									1		2	
	23500754	HOSE, HUMP 4"X2.75 DIA.X3.5"L.												2
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		3.2024 - CLAMP, AIR SILENCER OUTLET ELBOW HOSE												
	5114937	CLAMP, 6" DIA. HOSE (3.1280)							2	2				
	5113246	CLAMP, 4 3/4" DIA. HOSE (12.9660)									2			
	5118393	CLAMP, 4 1/2" DIA. HOSE (12.9660)											4	4

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	140	141	142	143	151	156	158	161	162	164
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THRU 3.3110.												
3B	**5121180**	* HOUSING ASM., 2-53	1											
3B	**5123237**	HOUSING ASM., 3-53		1										
3B	**5121181**	HOUSING ASM., 3-53			1									
	5130281	HOUSING ASM., 4-53				1								
	5121063	HOUSING ASM., 4-53					1							
	5121127	* & HOUSING ASM., 4-53						1						
3D	**5123644**	HOUSING ASM., 8V53							1					
	5124713	HOUSING ASM., 4-53								1				
3B	**5124237**	HOUSING ASM., 3-53									1			
3B	**5124800**	HOUSING ASM., 3-53										1		
	5125872	* & HOUSING ASM., 4-53											1	
	5125696	& HOUSING ASM., 4-53												1
	5142549	PLUG, 3/4" PIPE (12.9550)				1								
3D	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)							4					
3A,B	**5157244**	BOLT, 3/8"-16X1 3/4" (TO BLOWER) (4.4190)	4	4	4	4	4	4		4	4	4	4	4
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		1	1	1	1				1			
3B	**179847**	BOLT, 3/8"-16X2" (12.9001)	1					1		1		1	1	1
3A,B	**179851**	BOLT, 3/8"-16X3" (12.9001)	1	1	1	1	1	1		1	1	1	1	1
3D	**186283**	BOLT, 3/8"-16X3 1/2" (12.9001)							2					
3A	**103341**	WASHER, 3/8" (12.9190)	4	6	6	6	6	6		6	6	6	6	6
3A,D	**103321**	LOCKWASHER, 3/8" (12.9200)	4	6	6	6	6	6	6	6	6	6	6	6
		& ALSO INCLUDES AUTOMATIC SHUTDOWN IN 7.4538 THROUGH 7.4586.												
		* NOT SERVICED, USE COMPONENTS AND SD-294.												
		3.3003 - HOUSING, AIR INLET												
3A	**5116382**	HOUSING, 2-53 (DIRECT MTD. CLNR.)	1											
3A	**5116383**	HOUSING, 3-53 (REM. MTD. CLNR.)		1	1									
	5116385	# HOUSING 4-53 (OFFSET-FRONT) (5130283)				1								
	5130283	HOUSING, 4-53 (OFFSET-FRT)												1
	5116384	HOUSING, 4-53 (OFFSET-RR)					1	1		1			1	
3D	**5123608**	HOUSING, 8V53 (HORIZ. INLET)							1					
3A	**5124054**	HOUSING, 3-53 (DIRECT MTD. CLNR.)									1	1		
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1	1	1
	5142549	PLUG, 3/4" PIPE (12.9550)												1
		# NOT SERVICED USE PART NUMBER IN PARENTHESES PLUS 1-9409961 PLUG.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
3D	**5123610**	ADAPTOR, 8V53							1					
3D	**8927582**	BOLT, 3/8"-16X1 1/4" (12.9001)							6					
3D	**103341**	WASHER, 3/8" (12.9190)							2					
3D	**103321**	LOCKWASHER, 3/8" (12.9200)							6					

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	140	141	142	143	151	156	158	161	162	164
		3.3007 - GASKET, AIR INLET HOUSING FLANGE												
	5124405	GASKET		1	1	1	1	1		1	1	1	1	1
	5196054	GASKET				1								
	5196053	GASKET (3.4025)			1									
		3.3010 - GASKET, AIR INLET HOUSING												
3D	5123703	GASKET, 8V53							1					
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	5116455	VALVE, 2-53	1											
3A	5116456	VALVE, 3-53		1	1						1	1		
3A	5116457	VALVE, 4-53				1	1	1		1			1	1
3D	5123684	VALVE, 8V53							1					
3A,D	273436	PIN, 1/8"X11/16" ROLL (12.9300)	2	2	2	3	3	3	2	3	2	2	3	3
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE												
3A	5116443	SHAFT, 2-53	1											
3A	5116444	SHAFT, 3-53		1	1						1	1		
3A	5116445	SHAFT, 4-53				1	1	1		1			1	1
3D	5122296	SHAFT, 8V53							1					
3A	103341	WASHER, 3/8" (12.9190)	1	1	1	1	1	1		1	1	1	1	1
3D	103342	WASHER, 7/16" (12.9190)							1					
3A,D	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1	1	1	1	1	1	1	1	1	1
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A	5182977	SEAL RING (1.2020)	2	2	2	2	2	2		2	2	2	2	2
3D	5135594	SEAL RING (8.1110)							2					
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION												
3A,D	5111904	SPRING (VALVE) (INTERNAL)	1	1	1	1	1	1	1	1	1	1	1	1
3A,B	5112787	SPRING (LATCH) (R.H. HELIX)	1		1	1				1	1			1
3A,B	5114124	SPRING (LATCH) (L.H. HELIX)		1			1	1				1	1	
3D	5123743	SPRING (LATCH) (L.H. HELIX)							1					
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,B	5114727	LATCH	1	1	1	1	1	1		1	1	1	1	1
3D	5112785	LATCH							1					
3A,D	5143836	BUSHING-ECCENTRIC	1	1	1	1	1	1	1	1	1	1	1	1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	140	141	142	143	151	156	158	161	162	164
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE (CONT'D)												
3A,D	179803	BOLT, 1/4"-20X1 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
3A,D	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET												
	103341	WASHER, 3/8" (12.9190)	6	6	6	6		6	6	6	6	6		
3A,B	5114974	HANDLE	1	1	1	1	1		1	1	1	1	1	1
3A,B	5122623	CAM	1	1	1	1	1	1		1	1	1	1	1
3D	5122982	CAM							1					
	273436	PIN, 1/8"X11/16" ROLL (12.9300)						1					1	1
	455973	PIN, 1/8"X1 3/4" SPRING (12.9300)				1			1					
	456636	PIN, 5/32"X7/16" DOWEL (12.9290)						1					1	1
		3.3115 - ROD, AIR INLET HOUSING SHUTDOWN RESET LEVER												
	5146238	* WIRE ASSY. (57"L) (2.9422)				1		1						
	5161464	PIN (SWIVEL) (2.9426)						1						
	142583	RETAINER, SPRING (12.9640)						1						
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)						1						
	120391	WASHER, #10 (12.9190)						1						
	120393	WASHER, 5/16" (12.9190)						1						
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.												
		3.3125 - SPRING, RESET LEVER ROD												
	5119950	SPRING (RETURN) (3.3250)						1						
		3.3127 - CLIP, SHUTDOWN RESET LEVER ROD												
	3290569	CLIP, 1 3/16"L-3/8" HOLE (7.8320)						1						
	123298	BOLT, 1/4"-28X3/8" (12.9001)						1						
	5103534	BOLT, 5/16"-24 X 1/2" (1.7227)						1						
	120380	LOCKWASHER, 1/4" (12.9200)						1						
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	121902	NUT, 1/4"-28 (12.9120)						1						
	114493	NUT, 5/16"-24 (12.9120)						1						
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL												
	5146238	* WIRE ASSY., 57" L (2.9422)	1	1			1		1	1	1	1		
	5146239	* WIRE ASSY., 90" L (2.9422)	1	1	1		1		1	1	1	1		
	5146946	WIRE ASSY., 7.25" L						1					1	1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	140	141	142	143	151	156	158	161	162	164
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL (CONT'D)												
	3796374	GUIDE (2.9426)	1	1	1	1	1	1	1	1	1	1	1	1
	140855	SCREW, #8-32X5/16" HEX. SOCKET (12.9027)	1	1	1	1	1	1		1	1	1	1	1
	110730	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1		1	1	1	1		
	124925	NUT, 3/8"-24 (12.9120)	1	1	1	1	1		1	1	1	1		
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.												
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CO NTROL												
	5186687	PLATE, INSTRUCTION	1	1	1	1	1		1	1	1	1		
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE												
	3290569	CLIP, 1 3/16" L.-3/8" BOLT (7.8320)	1	1	1	1	1		1	1	1	1		
	5125944	CLIP, 1 5/8" L.-#10 SCREW						1					1	1
	9421917	SCREW, #10-24 X 7/16" (12.9025)						1					1	1
	123298	BOLT, 1/4"-28X3/8" (12.9001)	1	1	1	1	1		1					
	181309	BOLT, 1/4"-28X1/2" (12.9001)								1	1	1		
	120217	LOCKWASHER, #10 MEDIUM (12.9200)						1					1	1
	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1		1		1	1	1	1		
	103319	LOCKWASHER, 1/4" (12.9200)				1								
	110633	NUT, #10-24 (12.9120)						1					1	1
	121902	NUT, 1/4"-28 (12.9120)	1	1	1	1	1		1	1	1	1		
		3.3280 - BRACKET, AIR SHUT-OFF VALVE CONTROL												
	5119951	BRACKET						1						
	186630	BOLT, 1/4"-20X5/8" (12.9001)						1						
	120380	LOCKWASHER, 1/4" (12.9200)						1						
	103341	WASHER, 3/8" (12.9190)						1						

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 170	171	172	173	174	175	176	177	178	179
		3.3001 - HOUSING ASSY., AIR INLET										
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THRU 3.3110.										
	5125872	+ * HOUSING ASM., 4-53									1	
3B	**5125732**	* HOUSING ASM., 3-53	1									
3B	**5126298**	+ * HOUSING ASM., 3-53		1								
3B	**5125914**	* HOUSING ASM., 3-53			1	1						
3B	**5125915**	* HOUSING ASM., 3-53					1					
3B	**5126300**	* HOUSING ASM., 3-53						1				
3B	**5126301**	+ * HOUSING ASM., 3-53							1			
	5125916	* HOUSING ASM., 4-53								1		
	5126458	+ * HOUSING ASM., 4-53										1
3A,B	**5157244**	BOLT, 3/8"-16X1 3/4" (TO BLOWER) (4.4190)	4	4	4	4	4	4	4	4	4	4
3B	**179847**	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1	1	1	1	1
3A,B	**179851**	BOLT, 3/8"-16X3" (12.9001)	1	1	1	1	1	1	1	1	1	1
3A	**103341**	WASHER, 3/8" (12.9190)	6	6	6	6	6	6	6	6	6	6
3A,D	**103321**	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6	6	6	6	6	6
		* ALSO INCLUDES AUTOMATIC SHUTDOWN IN 7.4538 THROUGH 7.4586.										
		+ NOT SERVICED, USE COMPONENTS AND SD-294.										
		3.3003 - HOUSING, AIR INLET										
3A	**5116383**	HOUSING, 2-53 (REMOTE MTD. CLNR.)		1	1	1		1				
	5130283	HOUSING, 4-53 (OFFSET-FRT.)								1		
	5116384	HOUSING, 4-53 (OFFSET-RR)									1	1
3A	**5124054**	HOUSING, 3-53 (DIRECT MTD. CLNR.)	1				1		1			
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1
	5142549	PLUG, 3/4" PIPE (12.9550)								1		
		3.3007 - GASKET, AIR INLET HOUSING FLANGE										
	5124405	GASKET		1	1	1		1		1	1	1
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN										
3A	**5116456**	VALVE, 3-53	1	1	1	1	1	1	1			
3A	**5116457**	VALVE, 4-53								1	1	1
3A,D	**273436**	PIN, 1/8"X11/16" ROLL (12.9300)	2	2	2	3	2	2	2	3	3	3
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE										
3A	**5116444**	SHAFT, 3-53	1	1	1	1	1	1	1			
3A	**5116445**	SHAFT, 4-53								1	1	1
3A	**103341**	WASHER, 3/8" (12.9190)	1	1	1	1	1	1	1	1	1	1

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3.3000A AIR INLET HOUSING

	PART NUMBER	NAME AND DESCRIPTION	TYPES 170	171	172	173	174	175	176	177	178	179
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE (CONT'D)										
3A,D	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1	1	1	1	1	1	1	1
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT										
3A	5182977	SEAL RING	2	2	2	2	2	2	2	2	2	2
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION										
3A,D	5111904	SPRING (VALVE) (INTERNAL)	1	1	1	1	1	1	1	1	1	1
3A,B	5112787	SPRING (LATCH) (R.H. HELIX)	1		1	1	1			1		
3A,B	5114124	SPRING (LATCH) (L.H. HELIX)		1				1	1		1	1
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE										
3A,B	5114727	LATCH	1	1	1	1	1	1	1	1	1	1
3A,D	5143836	BUSHING-ECCENTRIC	1	1	1	1	1	1	1	1	1	1
3A,D	179803	BOLT, 1/4"-20X1 3/4" (12.9001)	1	1	1	1	1	1	1	1	1	1
3A,D	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET										
	5125877	LEVER				1	1	1	1	1		1
3A,B	5114974	HANDLE	1	1	1							
3A,B	5122623	CAM	1	1	1	1	1	1	1	1	1	1
	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1	1	1	1	1	1	1	1
	456636	PIN, 5/32"X7/16" DOWEL (12.9290)	1	1	1	1	1	1	1	1	1	1
		3.3115 - ROD, AIR INLET HOUSING SHUTDOWN RESET LEVER										
	5146238	* WIRE ASSY. (57"L.) (2.9422)				1	1	1	1	1		1
	5146239	* WIRE ASSY. (90"L.) (2.9422)								1		
	5121558	HOSE (1/4"I.D.X2.50"L., WIRE ASSY. COVER) (3.3250)								1		
	5168374	PIN (SWIVEL) (3.3090)				1	1	1	1	1		1
	273669	PIN (SPRING) (5/64" DIA. X 7/16"L) (12.9200)				1	1	1	1	1		1
	5126538	PLATE, NAME (7.4525)				1	1	1	1	1		1
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9010)				1	1	1	1	1		1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 170	171	172	173	174	175	176	177	178	179
		3.3115 - ROD, AIR INLET HOUSING SHUTDOWN RESET LEVER (CONT'D)										
	120385	WASHER, #12 (12.9190)				1	1	1	1	1		1
	110730	LOCKWASHER, 3/8" (12.9200)				1	1	1	1	1		1
	124925	NUT, 3/8"-24 (12.9120)				1	1	1	1	1		1
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.										
		3.3125 - SPRING, RESET LEVER ROD										
	5125878	SPRING (RETURN) (3.3070)				1	1	1	1	1		1
		3.3127 - CLIP, SHUTDOWN RESET LEVER ROD										
	3290569	CLIP, 1 3/16" L-3/8" HOLE (7.8320)				1	1	1	1	1		1
	123298	BOLT, 1/4"-28X3/8" (12.9001)				1	1	1	1	1		1
	120380	LOCKWASHER, 1/4" (12.9200)				1	1	1	1	1		1
	121902	NUT, 1/4"-28 (12.9120)				1	1	1	1	1		1
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL										
	5146946	WIRE ASSY., 7.25" L	1	1	1	1	1	1	1	1	1	1
	3796374	GUIDE (2.9426)	1	1	1	1	1	1	1	1	1	1
	140855	SCREW, #8-32 X 5/16" HEX. SOCKET (12.9076)	1	1	1	1	1	1	1	1	1	1
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE										
	5125944	CLIP, 1 5/8" L-#10 SCREW	1	1	1	1	1	1	1	1	1	1
	9421917	SCREW, #10-24 X 7/16" (12.9025)	1	1	1	1	1	1	1	1	1	1
	120217	LOCKWASHER, #10 MEDIUM (12.9200)	1	1	1	1	1	1	1	1	1	1
	110633	NUT, #10-24 (12.9120)	1	1	1	1	1	1	1	1	1	1

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3.3000A AIR INLET HOUSING

	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	184	185	186	189	190	195	196	198	199	206
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THRU 3.3110.												
3B	5126299	+ * HOUSING ASM., 3-53	1											
3B	5121181	HOUSING ASM., 3-53		1										
	5127009	HOUSING ASM., 4-53			1									
3C	5126329	HOUSING ASM., 6V53				1	1							
3B	5127006	HOUSING ASM., 3-53						1						
3B	5128010	HOUSING ASM., 2-53							1					
3B	5127008	* HOUSING ASM., 3-53								1				
	5127011	+ * HOUSING ASM., 4-53									1			
3B	5128074	* HOUSING ASM., 2-53										1		
3B	5128073	* HOUSING ASM., 2-53											1	
	5130281	HOUSING ASM., 4-53												1
3A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1							
3A,B	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)	4	4	4	3		4	4	4	4	4	4	4
3C	179846	BOLT, 3/8"-16X1 7/8" (12.9001)					3							
3B	179847	BOLT, 3/8"-16X2" (12.9001)	1	1	1			1		1	1			1
3A,B	179851	BOLT, 3/8"-16X3" (12.9001)	1	1	1			1		1	1			1
3C	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				3	2							
3A	103341	WASHER, 3/8" (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* ALSO INCLUDES AUTOMATIC SHUTDOWN IN 7.4538 THRU 7.4586.												
		+ NOT SERVICED, USE COMPONENTS AND SD-294.												
		3.3003 - HOUSING, AIR INLET												
	5124054	HOUSING, 3-53 (DIRECT MTD. CLNR.)	1											
3A	5116383	HOUSING, 3-53 (REM. MTD. CLNR.)		1										
	5126997	HOUSING, 4-53 (DUAL AIR CLNRS.)			1						1			
3C	5127214	* HOUSING, 6V53 (5137432)				1	1							
3A	5126995	HOUSING, 3-53 (DIRECT MTD. CLNR.)						1		1				
3A	5128009	HOUSING, 2-53 (DIRECT MTD. CLNR.)							1			1	1	
	5116385	* HOUSING, 4-53 (5130283)												1
3A	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES PLUS (1) 5142549 PLUG.												
		3.3007 - GASKET, AIR INLET HOUSING FLANGE												
	5124405	GASKET		1				1						1
	5127247	GASKET (3.1087)				1	1							
	5196053	GASKET (W/SCREEN) (3.4025)						1						
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	5116456	VALVE, 3-53	1	1				1		1				
3A	5116457	VALVE, 4-53			1						1			1
3C	5121353	VALVE, 6V53				2	2							

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	184	185	186	189	190	195	196	198	199	206
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN (CONT'D)												
3A	5116455	VALVE, 2-53							1			1	1	
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	2	2	3	4	4	2	2	2	3	2	2	3
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE												
3A	5116444	SHAFT, 3-53	1	1				1		1				
3A	5116445	SHAFT, 4-53			1						1			1
3A	5116443	SHAFT, 2-53							1			1	1	
3C	5128593	SHAFT, 6V53				1	1							
3A	103341	WASHER, 3/8" (12.9190)	1	1	1	1	1	1	1				1	1
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1	1	1	1	1	1	1	1	1	1
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A	5182977	SEAL RING (1.2020)	2	2	2	2	2	2	2	2	2	2	2	2
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION												
3A	5111904	SPRING (VALVE) (INTERNAL)	1	1	1	1	1	1	1	1	1	1	1	1
3A,B	5114124	SPRING (LATCH) (L.H. HELIX)	1	1		1	1							1
3A,B	5112787	SPRING (LATCH) (R.H. HELIX)			1			1	1	1	1	1	1	
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,B	5114727	LATCH	1	1	1	1	1	1	1	1	1	1	1	1
3A	5143836	BUSHING, ECCENTRIC	1	1	1	1	1	1	1	1	1	1	1	1
3A	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1	1			1	1	1	1	1	1	1
3A	120392	WASHER, 1/4" (12.9190)	1	1	1			1	1	1	1	1	1	1
3A	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
	179803	BOLT, 1/4"-20X1 3/4" (12.9001)				1	1							
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET												
	5125877	LEVER								1	1	1		
3A	5114974	HANDLE	1	1	1	1	1	1	1				1	1
3A	5122623	CAM	1	1	1	1	1	1	1	1	1	1	1	1
	273436	PIN, 1/8"X11/16" ROLL (12.9300)	2							2	2	2		
	456636	PIN, 5/32"X7/16" DOWEL (12.9290)	1											

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3.3000A AIR INLET HOUSING

PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	184	185	186	189	190	195	196	198	199	206
3.3115 - ROD, AIR INLET HOUSING SHUTDOWN RESET LEVER													
5146238	WIRE ASSY. (57" L) (2.9422)								1	1	1		
5126538	NAME PLATE (7.4525)								1	1	1		
5168374	PIN (SWIVEL) (3.3090)								1	1	1		
273669	PIN, 5/16" DIA. X 7/16" L SPRING								1	1	1		
132105	SCREW, #10-32 X 3/8" F/L HD (12.9010)								1	1	1		
120385	WASHER, #12 (12.9190)								1	1	1		
110730	LOCKWASHER, 3/8" (12.9200)								1	1	1		
124925	NUT, 3/8"-24 (12.9120)								1	1	1		
3.3125 - SPRING, RESET LEVER ROD													
5125878	SPRING (3.3070)								1	1	1		
3.3127 - CLIP, SHUTDOWN RESET LEVER ROD													
5163538	CLIP, 3/16" TUBE-7/16" BOLT (7.8320)										3		
3290569	CLIP, 1 3/16" L-3/8" HOLE (7.8320)								1	1	1		
123298	BOLT, 1/4"-28X3/8" (12.9001)								1	1	1		
120380	LOCKWASHER, 1/4" (12.9200)								1	1	1		
121902	NUT, 1/4"-28 (12.9120)								1	1	1		
3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN													
5146238	* WIRE ASSY., 57" L (2.9422)		1	1		1	1	1					1
5146239	* WIRE ASSY., 90" L (2.9422)		1	1		1	1	1					1
5146946	WIRE ASSY., 7.25" L	1							1	1	1	1	
3796374	GUIDE (2.9426)	1	1	1		1	1	1	1	1	1	1	1
140855	SCREW, #8-32X5/16" HEX. SOCKET (12.9010)	1	1	1		1	1	1	1	1	1	1	1
110730	LOCKWASHER, 3/8" (12.9200)		1	1		1	1	1					1
124925	NUT, 3/8"-24 (12.9120)		1	1		1	1	1					1
	* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.												
3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL													
5186687	PLATE, INSTRUCTION		1	1		1	1	1					1
3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE													
3290569	CLIP, 1 3/16"L-3/8" BOLT (7.8320)		1	1		1	1	1			1		1
5125944	CLIP, 1 5/8"L-#10 SCREW	2							2	2	2	2	
123298	BOLT, 1/4"-28X3/8" (12.9001)		1			1		1					

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	184	185	186	189	190	195	196	198	199	206
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE (CONT'D)												
	181309	BOLT, 1/4"-28X1/2" (12.9001)			1		1	1				1		1
	120217	LOCKWASHER, #10 (12.9200)	1							1	1	1	1	
	120380	LOCKWASHER, 1/4" (12.9200)		1	1		1	1	1				1	1
	9421917	SCREW, #10-24 X 7/16" (12.9025)	1							1	1	1	1	
	120393	WASHER, 11/32"X11/16" (12.9190)					1							
	110633	NUT, #10-24 (12.9120)	1							1	1	1	1	
	121902	NUT, 1/4"-28 (12.9120)		1	1		1	1	1				1	1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 222	226	230	232	233	239	243	246	249	255
		3.3001 - HOUSING ASSY., AIR INLET										
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THRU 3.3110.										
	5100174	+ * HOUSING ASM., 2-53	1									
	5100019	HOUSING ASM., 4-53		1								
	5129276	HOUSING ASM., 4-53 (FOR SILENCER)			1							
	5129277	HOUSING ASM., 3-53 (FOR SILENCER)				1						
	5129235	HOUSING ASM., 6V53 (FOR SILENCER					1					
	5129932	HOUSING ASM., 3-53						1				
	5109044	HOUSING ASM., 4-53							1			
3C	5170408	HOUSING ASM., 6V53								1		
3C	5178856	HOUSING ASM., 6V53									1	
	5130809	HOUSING ASSY.										1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2								
3A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								1	1	
3A,B	5157244	BOLT (3/8"-16X1 3/4") (4.4190)	6	2	2	2	6	4	4			4
3C	179846	BOLT, 3/8"-16X1 7/8" (12.9001)								3	3	1
3B	179847	BOLT, 3/8"-16X2" (12.9001)		1	1	1		1	1			
3A,B	179851	BOLT, 3/8"-16X3" (12.9001)		1				1	1			1
3C	186283	BOLT, 3/8"-16X3 1/2" (12.9001)								2	2	
3A	103341	WASHER, 3/8" (12.9190)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* ALSO INCLUDES AUTOMATIC SHUTDOWN IN 7.4538 THRU 7.4586.										
		+ NOT SERVICED, USE COMPONENTS AND SD-294.										
		3.3003 - HOUSING, AIR INLET										
3C	5127214	* HOUSING, 6V-53 (5137432)								1		
	5100103	HOUSING, 2-53	1									
	5100018	HOUSING, 4-53		1								
	5129292	HOUSING, 4-53			1							
	5129291	HOUSING, 3-53				1						
	5129234	HOUSING, 6V53					1					
	5129908	HOUSING, 3-53						1				
	5116384	# HOUSING, 4-53 (OFFSET REAR) (5130282)							1			
3C	5178764	* HOUSING, 6V-53 (5137432)									1	
	5130810	HOUSING, 3-53 (OFFSET REAR)										1
3A	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED. USE PART NUMBER IN PARENTHESES PLUS (1) 5142549 PLUG.										
		# NOT SERVICED, USE PART NUMBER IN PARENTHESES PLUS (1) 9409961 PLUG.										
		3.3007 - GASKET, AIR INLET HOUSING FLANGE										
	5124405	GASKET							1			
	5127247	GASKET (3.1087)									1	
	5196053	GASKET (3.4025)				1						

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 222	226	230	232	233	239	243	246	249	255
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN										
3A	5116456	VALVE, 3-53				1		1				1
3A	5116457	VALVE, 4-53		1	1				1			
3C	5121353	VALVE, 6V53					2			2	2	
3A	5116455	VALVE, 2-53	1									
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	2	3	3	2	4	3	3	4	4	2
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE										
3A	5116444	SHAFT, 3-53				1		1				1
3A	5116445	SHAFT, 4-53		1	1				1			
3A	5116443	SHAFT, 2-53	1									
3C	5128593	SHAFT, 6V53					1			1	1	
3C	5114974	HANDLE (3.3110)								1		
3A	103341	WASHER, 3/8" (12.9190)		1	1	1	1	1	1	1	1	1
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1	1	1	1	1	1	1		1	1
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT										
3A	5182977	SEAL RING (1.2020)	2	2	2	2	2	2	2	2	2	2
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION										
3A	5111904	SPRING (VALVE) (INTERNAL)	1	1	1	1	1	1	1	1	1	1
3A,B	5114124	SPRING (LATCH) (L.H. HELIX)		1	1	1		1		1	1	1
3A,B	5112787	SPRING (LATCH) (R.H. HELIX)	1				1		1			
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE										
3A,B	5114727	LATCH	1	1				1	1	1	1	1
3A,B	5112785	LATCH			1	1	1					
3A	5143836	BUSHING, ECCENTRIC	1	1	1	1	1	1	1	1	1	1
3A	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1	1	1	1	1	1	1	1	1
3A	120392	WASHER, 1/4" (12.9190)	1	1	1	1	1	1	1	1	1	1
3A	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	1	1	1
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET										
	5125877	LEVER	1									
3A	5114974	HANDLE		1	1	1	1	1	1	1	1	1
3A	5122623	CAM	1	1	1	1	1	1	1	1	1	1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 222	226	230	232	233	239	243	246	249	255
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET (CONT'D)										
	273436	PIN, 1/8"X11/16" ROLL (12.9300)	2									
		3.3115 - ROD, AIR INLET HOUSING SHUTDOWN RESET LEVER										
	5146238	WIRE ASSY., 57" L. (2.9422)	1									
	5126538	NAME PLATE (7.4525)	1									
	5168374	PIN (SWIVEL) (3.3090)	1									
	273669	PIN, 5/16" DIA. X 7/16" L. SPRING	1									
	132105	SCREW, #10-32X3/8" (12.9010)	1									
	120385	WASHER, #12 (12.9190)	1									
	110730	LOCKWASHER, 3/8" (12.9200)	1									
	124925	NUT, 3/8"-24 (12.9120)	1									
		3.3125 - SPRING, RESET LEVER ROD										
	5125878	SPRING (3.3070)	1									
		3.3127 - CLIP, SHUTDOWN RESET LEVER ROD										
	3290569	CLIP, 1 3/16" L.-3/8" HOLE (7.8320)	1									
	123298	BOLT, 1/4"-28X3/8" (12.9001)	1									
	120380	LOCKWASHER, 1/4" (12.9200)	1									
	121902	NUT, 1/4"-28 (12.9120)	1									
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN										
	5146238	* WIRE ASSY., 57" L. (2.9422)		1	1	1	1	1	1	1		1
	5146239	* WIRE ASSY., 90" L. (2.9422)		1	1	1	1	1	1	1		1
	5146946	WIRE ASSY., 7.25" L.	1									
	3796374	GUIDE (2.9426)	1	1	1	1	1	1	1	1		1
	140855	SCREW, #8-32 X 5/16" SOCKET (12.9010)	1	1	1	1	1	1	1	1		1
	110730	LOCKWASHER, 3/8" (12.9200)		1	1	1	1	1	1	1		1
	124925	NUT, 3/8"-24 (12.9120)		1	1	1	1	1	1	1		1
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.										
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL										
	5186687	PLATE, INSTRUCTION		1	1	1	1	1	1	1		1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 222	226	230	232	233	239	243	246	249	255
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE										
	3290569	CLIP, 1 3/16" L-3/8" BOLT (7.8320)		1	1	1	1	1	1	1		1
	5125944	CLIP, 1 5/8" L-#10 SCREW	2									
	181309	BOLT, 1/4"-28X1/2" (12.9001)		1	1	1	1	1	1	1		1
	120217	LOCKWASHER, #10 (12.9200)	1									
	120380	LOCKWASHER, 1/4" (12.9200)		1	1	1	1	1	1	1		1
	9421917	SCREW, #10-24 X 7/16" (12.9025)	1									
	110633	NUT, #10-24 (12.9120)	1									
	121902	NUT, 1/4"-28 (12.9120)		1	1	1	1	1	1	1		1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	272	274	276	280	282	290	291	294	304	310	311
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THRU 3.3110.												
	5131359	+ HOUSING ASM., 4-53	1											
3B	5128010	HOUSING ASM., 2-53				1								
	5133510	+ HOUSING ASM., 4-53					1							
	5134414	HOUSING ASM., 3-53							1					
	5134139	HOUSING ASM., 8V53								1				
3C	5134370	HOUSING ASM., 6V53									1			
	5136243	+ HOUSING ASM., 3-53										1		
	5130281	HOUSING ASM., 4-53											1	
	5144099	HOUSING ASM., 8V53												1
	5142549	PLUG, 3/4" PIPE (12.9550)												1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)											2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						1			1			1
3A,B	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	4	4		4	4					4	2	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	1					3			3			
3B	179847	BOLT, 3/8"-16X2" (12.9001)		1			1					1	1	
	190911	BOLT, 3/8"-16X2 7/8" (12.9001)					3							
3A,B	179851	BOLT, 3/8"-16X3" (12.9001)	1	1			1					1	1	1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)						2			2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2					3				
	186285	BOLT, 3/8"-16X4" (12.9001)												2
3A	103341	WASHER, 3/8" (12.9190)	AR	AR	6	AR	AR	AR			6	AR	AR	1
3A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	6	AR	AR	AR	AR		6	AR	AR	1
		+ NOT SERVICED, USE COMPONENTS AND SD-294.												
		3.3003 - HOUSING, AIR INLET												
	5116385	* HOUSING, 4-53 (OFFSET FRONT) (5130283)	1											
3A	5132596	HOUSING, 3-53 (DIRECT MTD. CLNR.)		1										
	5162801	HOUSING, 6V53			1									
3A	5128009	HOUSING, 2-53 (DIRECT MTD. CLNR.)				1								
	5133536	HOUSING, 4-53 (OFFSET-REAR)					1							
3C	5133296	HOUSING, 6V-53						1						
	5134138	HOUSING, 8V53 (FOR AIR SILENCER)								1				
	5134370	HOUSING, 6V53 (OFFSET-REAR)									1			
	5136167	HOUSING, 3-53										1		
	5130283	HOUSING, 4-53											1	
	5135408	* HOUSING, 8V53 (5137636)							1					1
	8920542	BRACKET						1						
3A	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1				1	2	1	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)			4									
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS 5142549.												
		3.3007 - GASKET, AIR INLET HOUSING FLANGE												
	5124405	GASKET	1									1		
	5127247	GASKET						1			1			
	5196053	GASKET (3.4025)										1		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	272	274	276	280	282	290	291	294	304	310	311
		3.3007 - GASKET, AIR INLET HOUSING FLANGE (CONT'D)												
	5196054	GASKET (3.4025)										1		
		3.3010 - GASKET, AIR INLET HOUSING												
	5138785	GASKET												1
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	5116457	VALVE, 4-53	1				1						1	
3A	5116455	VALVE, 2-53				1								
3D	5128352	VALVE, 8V53								2				2
	5121353	VALVE, 6V53									2			
	5116456	VALVE, 3-53										1		
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	3			2	3			4	4	2	3	4
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE												
3A	5116445	SHAFT, 3,4-53	1				1						1	
3A	5116553	SHAFT, 2-53				1								
3D	5128356	SHAFT, 8V53								1				
	5128593	SHAFT, 6V53									1			
	5116444	SHAFT, 3-53										1		
	5139018	SHAFT, 2-53											1	
	5135407	SHAFT, 8V53												1
3A	103341	WASHER, 3/8" (12.9190)	1			1	1			1	1	1	1	
3D	103342	WASHER, 7/16" (12.9190)								1				
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1			1	1			1	1	1	1	1
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A	5182977	SEAL RING (1.2020)	2			2	2	2			2	2	2	
3D	5179232	SEAL RING (2.4225)								2				2
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION												
3A	5111904	SPRING (VALVE) (INTERNAL)	1			1	1			1	1	1	1	1
3A	5112787	* SPRING (LATCH) (R.H. HELIX)				1	1				1		1	
3D	5114124	SPRING (LATCH) (L.H. HELIX)								1		1		1

* NOT REQUIRED ON UNITS WITH SOLENOID OPERATED SHUTDOWN.

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3.3000A AIR INLET HOUSING

MFG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	272	274	276	280	282	290	291	294	304	310	311
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
	5134356	LEVER							1					
3A,B	5114727	LATCH	1			1	1				1	1	1	
3D	5112785	LATCH								1				1
3A	5143836	BUSHING, ECCENTRIC								1				
3A	5113633	SPACER	1			1	1				1	1		1
	453019	SCREW AND LOCKWASHER, ASSY., 1/4"- 20X1/2" PAN. HD. SL. (12.9010)												1
3A	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1			1	1			1	1	1	1	1
3A	120392	WASHER, 1/4" (12.9190)	1			1	1			1	1	1	1	1
	103342	WASHER, 7/16" (12.9190)												1
3A	120380	LOCKWASHER, 1/4" (12.9200)	1			1	1			1	1	1	1	1
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET												
3A,D	5114974	HANDLE	1			1	1			1	1	1	1	1
3A	5122623	CAM	1			1	1				1	1	1	
3D	5122982	CAM								1				
	273436	PIN, 1/8"X11/16" ROLL (12.9300)												1
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN												
	5146238	# WIRE ASSY., 57" L. (2.9422)	1			1	1							
	5146239	# WIRE ASSY., 90" L. (2.9422)	1			1	1							
	3796374	GUIDE (2.9426)	1			1	1							
	140855	SCREW, #8-32 X 5/16" SKT. (12.9010)	1			1	1							
	110730	LOCKWASHER, 3/8" (12.9200)	1			1	1							
	124925	NUT, 3/8"-24 (12.9120)	1			1	1							
		# WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.												
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL												
	5186687	PLATE, INSTRUCTION	1			1	1							
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE												
	3290569	CLIP, 1 3/16" L.-3/8" BOLT (7.8320)	1			1	1							
	181309	BOLT, 1/4"-28X1/2" (12.9001)	1			1	1							
	120380	LOCKWASHER, 1/4" (12.9200)	1			1	1							
	121902	NUT, 1/4"-28 (12.9120)	1			1	1							

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 313	316	320	332	335	342	352	353	354	355	357
		3.3001 - HOUSING ASSY., AIR INLET											
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THRU 3.3110.											
	5130281	HOUSING ASM., 4-53									1		
3B	**5125914**	# HOUSING ASM., 3-53	1										
	5138374	@ HOUSING ASM., 4-53		1				1				1	
3B	**5126300**	# HOUSING ASM., 3-53					1						
	5136868	+ HOUSING ASM., 3-53				1							
3C	**5138353**	% HOUSING ASM., 6V53							1				
	5125916	# HOUSING ASM., 4-53								1			
	5142549	PLUG, 3/4" PIPE (12.9550)		1				1			1	1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									2		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1				
3A,B	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)	4	4	4	4	4	4	4	4	4	4	4
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)							3				
3B	**179847**	BOLT, 3/8"-16X2" (12.9001)	1	1	1	1	1	1		1	1	1	
3A,B	**179851**	BOLT, 3/8"-16X3" (12.9001)	1	1	1		1	1		1	1	1	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							2				
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)				1							
3A	**103341**	WASHER, 3/8" (12.9190)	AR	AR	AR	AR	AR	AR	6	AR	AR	AR	AR
3A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	6	AR	AR	AR	AR
		# ALSO INCLUDES AUTOMATIC SHUTDOWN IN 7.4538 THRU 7.4586.											
		% NOT SERVICED, USE COMPONENTS.											
		+ NOT SERVICED, USE COMPONENTS AND SD-294.											
		@ NOT SERVICED, USE 5121063 AND SD-287.											
		3.3003 - HOUSING, AIR INLET											
	5116385	* HOUSING, 4-53 (OFFSET TO FRONT) (5130283)								1			
	5130283	HOUSING, 4-53									1		
3A	**5116383**	HOUSING, 3-53	1				1						
	5130282	% HOUSING, 4-53		1				1				1	
	5136636	HOUSING, 3-53			1								
	5136640	+ HOUSING, 3-53				1							
3C	**5138352**	* HOUSING, 6V53 (5140542)							1				
3A	**5124054**	HOUSING, 3-53								1			
	5139004	HOUSING, 2-53											1
3A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1	1	1		1		1	1	1	
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES PLUS 5142549.											
		% NOT SERVICED, FOR SERVICE USE 5116384 AND SD-287.											
		+ OBSOLETE.											
		3.3007 - GASKET, AIR INLET HOUSING FLANGE											
	5124405	GASKET						1		1			
	5127247	GASKET							1				
	5196053	GASKET (3.4025)	1		1	1	1						
	5196054	GASKET (3.4025)		1			1			1	1	1	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 313	316	320	332	335	342	352	353	354	355	357
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN											
3A	5116457	VALVE, 4-53		1				1		1	1	1	
	5121353	VALVE, 6V-53							2				
	5116456	VALVE, 3-53	1			1	1						
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	2	3	2	2	2	3	4	3	3	3	3
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE											
3A	5116445	SHAFT, 3,4-53		1				1		1	1	1	
	5128593	SHAFT, 6V53							1				
	5116444	SHAFT, 3-53	1			1	1						
3A	103341	*WASHER, 3/8" (12.9190)*		1		1		1			1	1	
3A	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1	1		1		1	1		1	1	
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT											
3A	5182977	SEAL RING (1.2020)	2	2		2	2	2	2	2	2	2	
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION											
3A	5111904	*SPRING (VALVE) (INTERNAL)*	1	1	1	1	1	1	1	1	1	1	
3A	5112787	* SPRING (LATCH) (R.H. HELIX)	1			1				1	1		
3D	5114124	SPRING (LATCH) (L.H. HELIX)		1			1					1	
		* NOT REQUIRED ON UNITS WITH SOLENOID OPERATED SHUTDOWN.											
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE											
3A,B	5114727	LATCH	1	1	1	1	1		1	1	1	1	
3A	5113633	SPACER	1	1			1	1	1	1	1	1	
3A	5143836	BUSHING, ECCENTRIC					1						
3A	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1			1	1	1	1	1	1	
3A	179803	BOLT, 1/4"-20X1 3/4" (12.9001)				1							
3A	120392	WASHER, 1/4" (12.9190)	1	1			1	1	1	1	1	1	
3A	120380	LOCKWASHER, 1/4" (12.9200)	1	1		1	1	1	1	1	1	1	
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET											
3A,D	5114974	HANDLE		1		1		1	1			1	
	5125877	HANDLE	1				1			1	1		
3A	5122623	CAM	1	1		1	1	1		1	1	1	

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 313	316	320	332	335	342	352	353	354	355	357
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET (CONT'D)											
	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1				1			1			
		3.3115 - ROD, AIR INLET HOUSING SHUTDOWN RESET LEVER											
	5168374	PIN (SWIVEL) (3.3090)	1				1			1			
	273669	PIN (SPRING) (5/16" DIA., 7/16"L.)	1				1			1			
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9110)	1				1			1			
	120385	WASHER, #12 (12.9190)	1				1			1			
		3.3270 - CLIP, AIR INLET HOUSING SHUTDOWN CONTROL WIRE											
	3290569	CLIP (1 3/16"L. - 3/8" BOLT) (7.8320)					1						
	123298	BOLT, 1/4"-28X3/8" (12.9001)					1						
	120380	LOCKWASHER, 1/4" (12.9200)					1						
	121902	NUT, 1/4"-28 (12.9120)					1						

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 359	369	370	380	401	402	403	404	407	411	468	478	481	513
		3.3001 - HOUSING ASSY., AIR INLET														
		FOR TYPE 478 USE TYPE 407. FOR TYPE 527 USE TYPE 481. A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THRU 3.3110.														
3B	**5139039**	HOUSING ASM., 2-53	1													
	5135766	= HOUSING ASM., 4-53		1												
	5138374	+ HOUSING ASM., 4-53			1											
3B	**5123237**	HOUSING ASM., 3-53				1										
3B	**5140572**	HOUSING ASM., 3-53					1									
3C	**5140543**	# = HOUSING ASM., 6V53							1							
3C	**5178856**	HOUSING ASM., 6V53									1			1		
	5146223	HOUSING ASM., 6V53													1	
	5140793	@ HOUSING ASM., 2-53										1				1
	5141788	HOUSING ASM., 6V53						1								
	5121182	PLUG, 1/4" PIPE (2.4015)									1			1	1	
	5142549	PLUG, 3/4" PIPE (12.9550)		1												
3C	**186612**	BOLT, 3/8"-16 X 1 3/8" (12.9001)						1	1		1			1		
3B	**5157244**	BOLT, 3/8"-16 X 1 3/4" (4.4190)	4	4	4	4	4					2				2
3C	**179846**	BOLT, 3/8"-16 X 1 7/8" (12.9001)						3	8		8			3	4	
3B	**179847**	BOLT, 3/8"-16 X 2" (12.9001)		1	1	1	1					1				1
3B	**179851**	BOLT, 3/8"-16 X 3" (12.9001)		1	1	1	1					1				1
3C	**186283**	BOLT, 3/8"-16 X 3 1/2" (12.9001)							2		2			2	2	
	191249	BOLT, 3/8"-16 X 3 3/4" (12.9001)						2								
3B,C	**103341**	WASHER, 3/8" (12.9190)	6	6	6	6	6	6	6		6	4		6	6	4
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6	6	6		6	4		6	6	4
		# ALSO INCLUDES AUTOMATIC SHUTDOWN IN 7.4538 THRU 7.4586.														
		@ INCLUDES ITEMS IN 7.4520 AND 7.4525.														
		= OBSOLETE														
		+ NOT SERVICED, USE 5121063 AND *SD-287*.														
		3.3003 - HOUSING, AIR INLET														
3A	**5116382**	HOUSING, 2-53	1													
	5135584	= HOUSING, 4-53 (5 DEG. OFFSET)		1												
	5116384	HOUSING, 4-53 (OFFSET-REAR)			1											
3A	**5124054**	HOUSING, 3-53				1						1				1
3A	**5137406**	= HOUSING, 3-53					1									
3C	**5127214**	% HOUSING, 6V53 (5137432)							1							
	5141746	+ HOUSING, 8V53 (5147140)								1						
3C	**5178764**	% HOUSING, 6V53 (5137432)									1			1		
	5147530	HOUSING, 8V53											1			

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 359	369	370	380	401	402	403	404	407	411	468	478	481	513
		3.3003 - HOUSING, AIR INLET (CONT'D)														
	5137435	% HOUSING, 6V53 (5140542)						1								
	8924380	PLUG, 1/8" PIPE (12.9550)		1												
3A	5121182	PLUG, 1/4" PIPE (2.4015)		1	1	1	1	1				1				1
	103891	PLUG, 5/8" DIA. EXPANSION (12.9330)							1							
	5142549	PLUG, 3/4" PIPE (12.9550)						1								
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)								4			4			
	103321	LOCKWASHER, 3/8" (12.9200)								4			4			
		% NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 5142549 PLUG.														
		+ NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (2) 5145602 BUSHINGS.														
		= OBSOLETE														
		3.3004 - ADAPTOR, AIR INLET HOUSING														
3D	5134835	ADAPTOR, 8V53								1			1			
	5121182	PLUG, 1/4" PIPE (2.4015)								1			1			
3D	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)								6			6			
3D	103321	LOCKWASHER, 3/8" (12.9200)								6			6			
		3.3007 - GASKET, AIR INLET HOUSING FLANGE														
	5196052	GASKET (3.4025)	1	1												
	5196054	GASKET (3.4025)		1	1							1				
	5124405	GASKET			1		1					1				1
	5196053	GASKET (W/SCREEN) (3.4025)				1	1									
	5127247	GASKET (3.1087)						1	1		1			1		
	5134838	GASKET (3.3010)								1			1			
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN														
3A	5116455	VALVE, 2-53	1													
3A	5116457	VALVE, 4-53		1	1											
3A	5116456	VALVE, 3-53				1	1					1				1
3C	5121353	VALVE, 6V53					2	2			2		2			
3A	273436	PIN, 1/8" X 11/16" ROLL (12.9300)	1	3	3	2	2	4	4		4	2		4		2
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE														
		A SHAFT AND CAM ASSY. CONSISTS OF SHAFT, SPACER AND PIN IN 3.3050, PLUS CAM AND LEVER IN 3.3110.														

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 359	369	370	380	401	402	403	404	407	411	468	478	481	513
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE (CONT'D)														
	5143553	+ SHAFT AND CAM ASM., 6V53							1							
3A	**5116445**	SHAFT, 3, 4-53		1	1											
3A	**5116444**	SHAFT, 3-53				1						1				
3C	**5143440**	SHAFT, 6V53					1		1							
3C	**5128593**	SHAFT, 6V53						1			1			1		
	5124849	SPACER, 25/64" X 3/4" X .76" (7.4538)							1							
3B,C	**103341**	WASHER, 3/8" (12.9190)	1	1	1	1	1	1	1		1			1		1
3B,C	**273436**	PIN, 1/8" X 11/16" ROLL (12.9300)	1	1	1	1	1	1	1		1			1		
		+ OBSOLETE.														
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT														
3A	**5182977**	SEAL RING	2	2	2	2	2	2	2		2	2		2		2
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION														
3A	**5111904**	SPRING (VALVE) (INTERNAL)	1	1	1	1	1	1	1		1	1		1		1
3A,B	**5112787**	SPRING (LATCH) (R.H. HELIX)	1	1	1	1	1									
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE														
	5112785	LATCH	1													
A,B	**5114727**	LATCH		1		1	1	1			1	1		1		1
	5143836	BUSHING, ECCENTRIC					1							1		
3A	**5113633**	SPACER, 17/64" X 7/8"	1	1	1	1		1			1	1				1
3A	**179803**	BOLT, 1/4"-20 X 1 3/4" (12.9001)	1	1	1	1	1				1			1		1
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)						1				1				
3A	**120392**	WASHER, 1/4" (12.9190)	1	1	1	1	1	1			1	1				1
3A	**120380**	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1			1	1				1
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET														
3A	**5122623**	CAM	1	1	1	1	1	1	1		1	1		1		1
	5124854	+ LEVER ASSY. (INCLUDES PIN)							1							
3A	**5114974**	HANDLE ASSY.		1	1	1	1	1			1			1		
	5131361	HANDLE						1								
3C	**455532**	PIN, 1/8" X 1/2" ROLL (12.9275)							1							
	273436	PIN, 1/8" X 11/16" ROLL (12.9275)	1									1				1
	455277	PIN, 1/8"X1 1/8" SPRING (12.9275)						1								

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 359	369	370	380	401	402	403	404	407	411	468	478	481	513
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET (CONT'D)														
		+ NOT SERVICED, USE 5124853.														
		3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN CONTROL														
	5146238	* WIRE ASSY. (57" L.) (2.9422)							1							
	5146238	* WIRE ASSY. (50" L.)						1								
	5146239	* WIRE ASSY. (90" L.)						1								
	57307	SLEEVE, 1/4" (7.7001)							1							
	3796374	GUIDE (2.9426)						1								
	9139801	CLAMP, 5/8" HOSE (12.9660)							1							
	140855	SCREW, #8-32 X 5/16" HEX. SOC. HD. (12.9027)						1								
	110730	LOCKWASHER, 3/8" (12.9200)						1	1							
	124925	NUT, 3/8"-24 (12.9120)						1	1							
		* WIRE ASSY. LENGTH DETERMINED BY INSTALLATION.														
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL														
	5126538	PLATE, INSTRUCTION							1							
		3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL														
	3290569	CLIP, 1 3/16"L. -3/8" BOLT (7.8320)						1								
	181309	BOLT, 1/4"-28 X 1/2" (12.9001)						1								
	103319	LOCKWASHER, 1/4" (12.9200)						1								
	121902	NUT, 1/4"-28 (12.9120)						1								

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 514	535	547	555	573	576	590	595	596	597	598	599
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THRU 3.3110.												
	5143439	* HOUSING ASSY., 6V53				1								
	5141382	@ HOUSING ASSY., 3-53	1											
	5121182	PLUG, 1/4" PIPE (2.4015)				1				1	1	1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		6										
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)			6		6							
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				1								
	5157244	BOLT, 3/8"-16 X 1 3/4" (12.9001)	2							4	4	4	4	4
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)				3				1	1	1		
	179847	BOLT, 3/8"-16 X 2" (12.9001)											1	1
	180130	BOLT, 3/8"-16 X 2" (12.9001)	1											
	179851	BOLT, 3/8"-16 X 3" (12.9001)	1							1	1	1	1	1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				2								
	103321	LOCKWASHER, 3/8" (12.9200)	4	6	6	6	6			6	6	6	6	6
	103341	WASHER, 3/8" (12.9190)	4	6	6	6	6			6	6	6	6	6
		* INCLUDES AUTOMATIC SHUTDOWN IN 7.4538 THRU 7.4586.												
		@ INCLUDES ITEMS IN 7.4520 AND 7.4525.												
		3.3003 - HOUSING, AIR INLET												
	5101589	HOUSING, 6V53		1										
	5130978	HOUSING, 4-53									1			
	5103445	HOUSING, 4-53			1									
	5103480	HOUSING, 4-53										1		
	5104436	HOUSING, 4-53												1
	5137432	HOUSING, 6V53				1								
	5101154	HOUSING, 6V53					1							
	5104449	HOUSING, 3-53								1				
	5106632	HOUSING, 3-53							1					
	5104444	HOUSING, 3-53											1	
	5116385	& HOUSING, 3-53 (OFFSET-FRONT) (5130283)	1											
	5121182	PLUG, 1/4" PIPE (2.4015)	1											
		& NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 5142549 PLUG.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
	5104552	ADAPTOR, 6V53						1						
	5121182	PLUG, 1/4" PIPE (2.4015)						1						
	5142549	PLUG, 3/4" PIPE (12.9550)						1						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						12						
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)							6					
	103341	WASHER, 3/8" (12.9190)							6					
	103321	LOCKWASHER, 3/8" (12.9200)						12	6					

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 514	535	547	555	573	576	590	595	596	597	598	599
		3.3007 - GASKET, AIR INLET HOUSING FLANGE												
	5104553	GASKET (3.4025)						1						
	5103441	GASKET			1			1						
	5124405	GASKET	2							1	1	1	1	1
	5196053	GASKET (3.4025)						1	1				1	
	5127247	GASKET (3.1087)				1								
	5196054	GASKET (3.4025)	1								1	1		1
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
	5121353	VALVE				1								
	5116457	VALVE, 4-53	1											
	273436	PIN, 1/8"X11/16" ROLL (12.9300)	3			4								
		3.3060 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE												
	5128593	SHAFT				1								
	5116445	SHAFT, 3, 4-53	1											
	103341	WASHER, 3/8" (12.9190)				1								
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
	5182977	SEAL RING (1.2020)	2			2								
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE												
3A,D	5111904	SPRING, VALVE (INTERNAL)	1			1								
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,B	5114727	LATCH	1			1								
	5143836	BUSHING, ECCENTRIC				1								
	5113633	SPACER, 17/64" X 7/8"	1											
	179803	BOLT, 1/4"-20 X 1 3/4" (12.9001)	1			1								
	120380	LOCKWASHER, 1/4" (12.9200)	1			1								
	120392	WASHER, 1/4" (12.9190)	1											
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET												
3A,B	5114974	HANDLE				1								
3A,B	5122623	CAM	1			1								
	273436	PIN, 1/8"X11/16" ROLL (12.9300)	1			1								

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3.3000A AIR INLET HOUSING

PART NUMBER	NAME AND DESCRIPTION	TYPES 514	535	547	555	573	576	590	595	596	597	598	599
3.3127 - CLIP, SHUTDOWN RESET LEVER ROD													
3290569	CLIP, 1 3/16" L-3/8" HOLE									1			
123298	BOLT, 1/4"-28 X 3/8" (12.9001)									1			
103319	LOCKWASHER, 1/4" (12.9200)									1			
121902	NUT, 1/4"-28 (12.9120)									1			
3.3250 - WIRE, AIR INLET HOUSING SHUTDOWN													
5146241	WIRE ASSY., CONTROL 90" LONG									1			
3796374	GUIDE (2.9468)									1			
140855	SCREW, #8-32 X 5/16" (12.9010)									1			
132105	BOLT, #10-32 X 3/8" (12.9010)									1			
120392	WASHER, 9/32" X 5/8" PLAIN (12.9190)									1			
120393	WASHER, 11/32" X 11/16" PLAIN (12.9190)									1			
110730	LOCKWASHER, 3/8" (12.9200)									1			
103361	PIN, 1/16" X 1/2" COTTER									1			
5168374	NUT, AIR SHUT-OFF VALVE									1			
124925	NUT, 3/8"-24 (12.9120)									1			
3.3260 - PLATE, AIR INLET HOUSING SHUTDOWN CONTROL													
5186687	PLATE, INSTRUCTION									1			

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 600	601	602	603	605	607	608	609	618	627	628	637
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THROUGH 3.3110.												
	5107662	HOUSING ASSY., 3-4-6-53										1		
		3.3003 - HOUSING, AIR INLET												
	5104441	HOUSING, 3-53					1							
	5104450	HOUSING, 3-53						1						
	5104442	HOUSING, 3-53			1									
	5104443	HOUSING, 4-53				1								
	5104451	HOUSING, 6V53	1											1
	5104437	HOUSING, 6V53		1										
	5104454	HOUSING, 6V53							1					
	5104452	HOUSING, 6V53								1				
	5106673	HOUSING, 6V53									1			
	8920615	HOUSING, 6V53											1	
	8920542	BRACKET											1	
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1			1	1
	5142549	PLUG, 3/4" PIPE (12.9550)							1	1				
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)											5	
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)	1						1	1	4		1	1
	5157244	BOLT, 3/8"—16X1 3/4" (12.9001)		6	2	2	4	4						
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)	3				1		3	3				3
	179847	BOLT, 3/8"-16 X 2" (12.9001)			1	1		1						
	179851	BOLT, 3/8"-16 X 3" (12.9001)					1	1						
	186282	BOLT, 3/8" 16 X 3 1/4" (12.9001)				2								
	186283	BOLT, 3/8"—16X3 1/2" (12.9001)	2						1					2
	191249	BOLT, 3/8"-16 X 3 3/4" (12.9001)								2				
	455537	BOLT, 3/8"-16 X 4" (12.9001)									1			
	114926	BOLT, 3/8"-16 X 4 1/4" (12.9001)									1			
	103341	WASHER, 3/8" (12.9190)	6	6		6	6	6	6	6	6		6	6
	103321	LOCKWASHER, 3/8" (12.9200)	6	6	3	5	6	6	6	6	6		6	6
		3.3007 - GASKET, AIR INLET HOUSING FLANGE												
	5196053	GASKET (3.4025)			1		1	1						
	5196054	GASKET (3.4025)				1								
	5124405	GASKET						1						
	5127247	GASKET	1						1	1				1
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
	5107645	VALVE ASSY.										1		
	273436	PIN, 1/8" X 11/16" ROLL (12.9300)										2		
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE												
	5126340	SHAFT										1		
	5145602	BUSHING										2		
	5146261	SPACER, .443" I.D.										1		

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3.3000A AIR INLET HOUSING

	PART NUMBER	NAME AND DESCRIPTION	TYPES 600	601	602	603	605	607	608	609	618	627	628	637
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE												
3A,D	5111904	SPRING, VALVE (INTERNAL)										1		
	5123743	SPRING, LATCH										1		
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,B	5112785	LATCH										1		
	5143836	BUSHING, ECCENTRIC										1		
	179803	BOLT, 1/4"-20 X 1 3/4" (12.9001)										1		
	120380	LOCKWASHER, 1/4" (12.9200)										1		
		3.3110 - LEVER, AIR INLET HOUSING SHUTDOWN RESET												
3A,B	5114974	HANDLE										1		
3A,B	5122982	CAM										1		
	453676	PIN, 1/8" X 1" (12.9275)										1		

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 655	705	707	712	722	723	724	725	726	744	745	746
		3.3001 - HOUSING ASSY., AIR INLET												
		A HOUSING ASSY. INCLUDES ITEMS IN 3.3003 AND 3.3040 THROUGH 3.3110.												
	5124237	HOUSING ASSY., 3-53	1											
	5178856	HOUSING ASSY., 6V53		1										
		3.3003 - HOUSING, AIR INLET												
	NPN	HOUSING (CUSTOMER FURNISHED)												1
3A	**5124054**	HOUSING	1											
	5141746	+ HOUSING		1										
	8923591	HOUSING				1								
	8924547	HOUSING					1							
	8925109	HOUSING						1						
	8924548	HOUSING							1					
	8924574	HOUSING									1			
	8926986	HOUSING											1	
	8920542	BRACKET			1									
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1										
	8923847	PLUG, 1/4" PIPE (4.7001)									1			
	5145014	PLUG, 3/8"-18 (12.9550)				1		1						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							5				6	12
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1		6	5	5						
	5157244	BOLT, 3/8"-16X1 3/4" SPL. (12.9001)	4											
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		3							3			
	179847	BOLT, 3/8"-16X2" (12.9001)	1											
	179851	BOLT, 3/8"-16X3" (12.9001)	1											
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		1										
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)					1	1						
	455537	BOLT, 3/8"-16X4" (12.9001)									3			
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)							1					
	103341	WASHER, 3/8" (12.9190)	6	6		6	6	6	7		6		6	12
	103321	LOCKWASHER, 3/8" (12.9200)	6	6		6	6	6	6		6		6	12
		+ NOT SERVICED, USE 5147140 PLUS (2) 5145602 BUSHINGS.												
		3.3004 - ADAPTOR, AIR INLET HOUSING												
	8924549	ADAPTOR								1				
	23500204	ADAPTOR										1		
	8923847	PLUG, 1/4" PIPE (4.7001)								1		1		
	5142549	PLUG, 3/4"-14 PIPE (12.9550)								1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								12		12		
	103321	LOCKWASHER, 3/8" (12.9200)								12		12		
		3.3007 - GASKET, AIR INLET HOUSING FLANGE												
	5196053	GASKET (3.4025)	1			1								
	5124405	GASKET	1											
	5127247	GASKET (3.1087)		1										
		3.3010 - GASKET, AIR INLET HOUSING												
	8924562	GASKET					1	1						
	8924555	GASKET							1					
	8924563	GASKET								1		1		1

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3.3000A AIR INLET HOUSING

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 655	705	707	712	722	723	724	725	726	744	745	746
		3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN												
3A	**5116456**	VALVE	1											
3C	**5121353**	VALVE		2										
3A,D	**273436**	PIN, 1/8"X11/16" ROLL (12.9300)	2	4										
		3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE												
3A	**5116444**	SHAFT, 3-53	1											
3C	**5128593**	SHAFT, 6V53		1										
3A,D	**273436**	PIN, 1/8"X11/16" ROLL (12.9300)	1	1										
3A	**103341**	WASHER, 3/8" (12.9190)	1	1										

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 655	705	707	712	722	723	724	725	726	744	745	746
		3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT												
3A	**5182977**	SEAL RING (1.2020)	2	2										
		3.3070 - SPRING, AIR INLET HOUSING SHUTDOWN VALVE TENSION												
3A,D	**5111904**	SPRING (VALVE) (INTERNAL)	1	1										
3A,B	**5112787**	SPRING, LATCH	1											
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE												
3A,B	**5114727**	LATCH (3.3027)	1	1										
3A,D	**5143836**	BUSHING, ECCENTRIC	1											
3A,D	**179803**	BOLT, 1/4"-20X1 3/4" (12.9001)	1	1										
3A,D	**120380**	LOCKWASHER, 1/4" CAD. (12.9200)	1	1										
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET												
3A,B	**5114974**	HANDLE	1	1										
3A	**5122623**	CAM	1	1										

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3.3000A AIR INLET HOUSING

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 809	810	817
	3.3001 - HOUSING ASSY.,				
		A HOUSING ASSY. INCLUDES ITEMS IN *3.3003 AND 3.3040 THROUGH 3.3110.*			
	8927738	HOUSING ASSY., 6V53			1
	3.3003 - *HOUSING, AIR INLET*				
3A	**8928636**	HOUSING	1		
3A	**8927268**	HOUSING		1	
3A	**8927739**	HOUSING			1
3A	**8923847**	*PLUG, 1/4" PIPE (4.7001)*			1
3A	**8924517**	PLUG, 3/8" PIPE (12.9550)		1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	6		2
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		5	
	179847	BOLT, 3/8"-16X2" (12.9001)			6
	186277	BOLT, 3/8"-16X2 3/8" (12.9001)	2		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	4	1	3
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)			1
	103341	WASHER, 3/8" (12.9190)	12	6	12
	103321	LOCKWASHER, 3/8" (12.9200)	12	6	12
	3.3010 - GASKET, AIR INLET HOUSING				
	8927733	GASKET	1		1
	8924562	GASKET		1	
	3.3040 - VALVE, AIR INLET HOUSING SHUTDOWN				
3A	**8927736**	VALVE			2
3A	**273436**	PIN, 1/8"-11/16" ROLL (12.9300)			4
	3.3050 - SHAFT, AIR INLET HOUSING SHUTDOWN VALVE				
3A	**3290567**	SHAFT, 6V53			1
3A	**273436**	PIN, 1/8"-11/16" ROLL (12.9300)			1
3A	**120392**	WASHER, 1/4" (12.9190)			1
	3.3055 - SEAL, AIR INLET HOUSING SHUTDOWN VALVE SHAFT				
3A	**5182977**	SEAL RING			2
	3.3060 - COLLAR, AIR INLET HOUSING SHUTDOWN VALVE SHAFT				
	8927734	COLLAR, .38" I.D.			1
	3.3070 - SPRING, AIR INLET HOUSING *SHUTDOWN VALVE TENSION*				
3A	**5111904**	SPRING (VALVE) (INTERNAL)			2
3A	**5123743**	SPRING, LATCH			1

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3.3000A AIR INLET HOUSING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8091	8101	8171
		3.3090 - LEVER, AIR INLET HOUSING SHUTDOWN VALVE			
3A	**5112785**	LATCH			1
3A	**5143836**	BUSHING, ECCENTRIC			1
3A	**179803**	BOLT, 1/4"-20X1 3/4" (12.9001)			1
3A	**120380**	LOCKWASHER, 1/4" (12.9200)			1
		3.3110 - LEVER ASSY., AIR INLET HOUSING SHUTDOWN RESET			
3A	**5122623**	CAM			1
3A	**5114974**	HANDLE ASSY.			1

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3.4000 BLOWER AND DRIVE

3.4001 - BLOWER ASSY.

NOTE: SEE ASSEMBLY BREAKDOWN FOR COMPONENTS OF SERVICED BLOWER ASSYS. AS INDICATED.
A 2 CYLINDER BASIC BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4420 EXCEPT 3.4180 AND 3.4190.
A 3 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4140.
A 4 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4160 AND 3.4370 THRU 3.4420.
A 6 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4190 THRU 3.4370 THRU 3.4420.

	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
	5119258	* BLOWER ASM., 2-53 (TYPE 111)	1											
	5123903	@ BLOWER ASM., 2-53						1						
	5121377	# BLOWER ASM., 2-53						1						
	5139693	BLOWER ASM., 2-53 (PAGE A1)						1						
	5121362	* BLOWER ASM., 2-53 (TYPE 120)							1					
	5124936	& % BLOWER ASM., 2-53 (5139301)								1				
	5139924	% BLOWER ASM., 2-53 (5139301)								1				
	5124656	+ BLOWER ASM., 2-53RA-B (5139301)									1			
	5124935	* & BLOWER ASM., 2-53 (TYPE 121)										1		
	5129050	& % BLOWER ASM., 2-53RA-B (5139301)												1
3B	**5119260**	* BLOWER ASM., 3-53 (TYPE 114)		1										
3B	**5119259**	* BLOWER ASM., 3-53 (TYPE 113)			1									
	5119261	* BLOWER ASM., 4-53 A-B ENG. (TYPE 115 NON-TURBO; TYPE 138 TURBO.)				1								
	5119262	* BLOWER ASM., 4-53 C-D ENG. (TYPE 116 NON-TURBO; TYPE 139 TURBO.)					1							
4D	**5119263**	* BLOWER ASM., 6V53 (L.H. OR R.H. ROT. ENGINE) (NON-TURBO) (TYPE 129)											1	
	5121182	PLUG, 1/4" PIPE (2.4015)						1	1	1	1	1		1
4A	**186291**	BOLT, 3/8"-16X8 1/2" (12.9001)	4					4	4	4	4	4		4
4A,B	**9433110**	BOLT, 7/16-14X6 11/16" (12.9001)	4	4	4	4	4	4	4	4	4	4		4
4D	**5132923**	BOLT, 6.68" L.											4	
4A	**5121463**	BOLT, 3/8"-24X8"	2					2	2	2	2	2		2
4A	**5121464**	BOLT, 10 3/16" L.		2	2									
4A	**5116150**	BOLT, 10 11/16" L.		4	4									
4A,B,E	**5131913**	WASHER, 7/16"	4	4	4	4	4	4	4	4	4	4	4	4

@ NOT SERVICED, REPLACED BY 5139693 THRU 2D-4009.
NOT SERVICED, REPLACED BY 5139302 EFF. WITH 2D-4010.

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3.4000 BLOWER

PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
	3.4001 - BLOWER ASSY. (CONT'D)												
	& ALSO INCLUDES AUTOMATIC SHUTDOWN IN 7.4532 THRU 7.4586.												
	% NOT SERVICED; USE BASIC BLOWER ASSY. SHOWN IN PARENTHESES PLUS ITEMS IN 3.4412 THRU 3.4428.												
	+ NOT SERVICED; USE BASIC BLOWER ASSY. SHOWN IN PARENTHESES PLUS ITEMS IN 3.4421 THRU 3.4428.												
	* NOT SERVICED AS AN ASSEMBLY; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT CONVERT TO TYPE SHOWN IN PARENTHESES.												
	3.4003 - BLOWER KIT, INSTALLATION												
	A KIT INCLUDES ITEMS IN 3.4010, 3.4025, 3.4190, 3.4220, 3.4227 AND COPPER WASHER, IN 3.4350. A 6 CYLINDER KIT ALSO INCLUDES ITEMS IN 2.7010, 2.7051, 2.7650, 2.7700 AND HOSES AND CLAMPS IN 2.7834 AND G ASKET IN 3.4190.												
5197857	BLOWER INSTALLATION KIT, 2-53	AR					AR	AR	AR	AR	AR		AR
5198041	BLOWER INSTALLATION KIT, 3-53		AR	AR									
5198042	BLOWER INSTALLATION KIT, 4-53				AR	AR							
5198043	BLOWER INSTALLATION KIT, 6V53											AR	
	3.4005 - BLOWER KIT, REPAIR												
	TURBO AND NON-TURBO KITS CONSIST OF WASHER IN 3.4080, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, 3.4100, 3.4160, 3.4320, AND SPACER IN 3.4370. AN 8V53 KIT CONSISTS OF BEARINGS IN 3.4040 AND 3.4060, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, (4) 5134351 S EALS IN 3.4160, 3.4320, 3.4360, SEAL IN 3.4130, (4) SLEEVES IN 3.4163 AND GASKET IN 4.8070.												
5198684	+ KIT, 3-4-6V53 NON-TURBO. BLOWER	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5198683	* KIT, 4-6V53 TURBO. BLOWER				AR	AR							
	+ NOT SERVICED. USE 5198683 KIT.												
	* INCLUDES OVERSIZE SEALS AND SLEEVES IN 3.4160.												

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3.4000 BLOWER

	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
		3.4010 - GASKET, BLOWER												
4A	5119433	GASKET, 2, 3-53 (TO END PLATE) (3.4190)	1	1	1			1	1	1	1	1		1
3E	5116294	GASKET, 2-53 (TO BLOCK)	1					1	1	1	1	1		1
4A	5116295	GASKET, 4-53 (TO BLOCK)		1	1									
4B	5116296	GASKET, 4-53 (TO BLOCK)				1	1							
4D	5121329	GASKET, 6V53 (TO BLOCK)											2	
	5119438	GASKET, 6V53 (TO GOV. HSG. (2.7010)											1	
	5127963	RING, SEAL (TO 6V-53 BLOCK)											1	
		3.4020 - HOUSING, BLOWER												
3E	5119389	HOUSING ASM., 2-53 (INCLUDES PINS)	1											
4A	5119391	HOUSING ASM., 3-53 (INCLUDES PINS)		1	1									
4B	5119392	HOUSING ASM., 4-53 (INCLUDES PIN)				1	1							
3E	5121376	HOUSING ASM., 2-53 (INCLUDES PINS)						1						
3E	5121327	HOUSING ASM., 2-53 (INCLUDES PINS)							1	1	1	1		1
4D	5119393	HOUSING ASM., 6V53 (INCLUDES PINS)											1	
4D	141242	PIN, 3/8"X7/8" DOWEL (12.9290)	4	4	4	4	4	4	4	4	4	4	4	4
		3.4025 - SCREEN, BLOWER												
3A	5196052	SCREEN, 2-53	1					1	1	1	1	1		1
3A	5196053	SCREEN, 3-53		1	1									
3A	5196054	SCREEN, 4-53				1	1							
3D	5122610	SCREEN, 6V53											1	
		3.4030 - ROTOR, BLOWER												
		A 6V-53 ROTOR KIT INCLUDES (2) ROTORS IN 3.4030, (2) SPACERS IN 3.4100 AND (2) PILOTS, BOLTS IN 3.4082 AND (4) SEALS IN 3.4160.												
3E	5127084	# ROTOR ASM., 2-53 (5139296)	2					2	2	2	2	2		2
4A	5127085	# ROTOR ASM., 3-53 (5139297)		2	2									
4B	5127086	# ROTOR ASM., 4-53 (5139298)				2	2							
4D	5127087	% ROTOR ASM., 6V53 (NON-TURBO)											2	
	5132393	# ROTOR ASM., 6V53 NON-TURB. (5134913)											2	
3E	5139296	ROTOR ASM., 2-53						2	2	2				
	5197566	ROTOR KIT, 6V53											AR	

NOT SERVICED; USE (2) ROTOR ASSYS. SHOWN IN PARENTHESES PLUS (2) END PLATES IN 3.4140 AND (4) 5142266 SEALS IN 3.4160.

% THRU 6D-4115. NOT SERVICED, REPLACE WITH 5197566 ROTOR KIT.

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
		3.4033 - PLATE, BLOWER ROTOR THRUST												
4D	5134179	PLATE, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1	1	1
4A,B,D	5116170	SPACER	3	3	3	3	3	3	3	3	3	3	3	3
4A,B,D	9409062	BOLT, 1/4"-20X1" (12.9001)	3	3	3	3	3	3	3	3	3	3	3	3
		3.4036 - WASHER, BLOWER ROTOR SHAFT THRUST												
4A,B	5116174	* WASHER (21/64"I.D.)		2	2	2	2	2	2	2	2	2		
4D	5127077	@ WASHER (25/64"I.D.)	2	2	2	2	2	2	2	2	2	2	2	2
4A,B	9409018	* BOLT, 5/16"-24X7/8" (12.9001)		2	2	2	2	2	2	2	2	2		
4D	9409034	@ BOLT, 3/8"-24X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
		* THRU 2D-11469, 3D-890, 4D-1472.												
		@ EFFECTIVE WITH 2D-11470, 3D-891, 4D-1473, USE ALSO WHENEVER REPLACING ROTORS.												
		3.4041 - SEAL, BLOWER ROTOR RETAINER OIL												
4A,B,D	5116169	# SEAL (PLASTIC)	4	4	4	4	4	4	4	4	4	4	4	4
		# NOT SERVICED, CONVERT TO LIP TYPE SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4042 - RETAINER, BLOWER OIL SEAL												
4A,B,D	5180312	* RETAINER	4	4	4	4	4	4	4	4	4	4	4	4
		* NOT SERVICED, CONVERT TO LIP TYPE SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4043 - SPRING, BLOWER ROTOR OIL SEAL												
4A,B,D	5180311	* SPRING	4	4	4	4	4	4	4	4	4	4	4	4
		* NOT SERVICED, CONVERT TO LIP TYPE SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4044 - RING, BLOWER ROTOR OIL SEAL												
4A,B,D	5180314	* SEAL RING	4	4	4	4	4	4	4	4	4	4	4	4
		* NOT SERVICED, CONVERT TO LIP TYPE SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
		3.4080 - GEAR SET, BLOWER ROTOR												
4A,B	**5119194**	GEAR, 2, 3-53 (R.H. HELIX; 39 TEETH)	1	1	1				1	1	1	1		1
4A,B	**5119195**	GEAR, 2, 3-53 (L.H. HELIX; 39 TEETH)	1	1	1			1	1	1	1	1		1
4A,B,D	**5128599**	GEAR, 4, 6V53 (R.H. HELIX; 39 TEETH)				1	1						1	
4A,B,D	**5128600**	GEAR, 4, 6V53 (L.H. HELIX; 39 TEETH)				1	1						1	
4A	**5121402**	GEAR, 2-53 (R.H. HELIX; 39 TEETH)						1						
4A,B	**9409018**	BOLT, 5/16"-24X7/8" (12.9001)	2	2	2	1	1	2	2	2	2	2		2
	5121403	WASHER	2	2	2			2	2	2	2	2		2
4A,B	**5116316**	WASHER				1	1							
		3.4082 - PILOT, BLOWER DRIVE CAM												
4B	**5180438**	@ PILOT, 4-53				1	1							
	5126236	# PILOT, 4,6V53				1	1						2	
4B	**9409018**	& BOLT, 5/16"-24X7/8" (LEFT GEAR) (12.9001)				1	1						1	
	9415108	& BOLT, 5/16"-27X7/8" 12 PT. HEAD (RIGHT GEAR) (12.9005)											1	
	9409023	% BOLT, 5/16"-24X1 3/4" (LEFT GEAR) (12.9001)											1	
	9420604	% BOLT, 5/16"-24X1 3/4" (RIGHT BANK) (12.9005)											1	
		@ THRU 4D-14119.												
		# EFFECTIVE WITH 4D-14120, MUST BE USED WITH 5126237 SPACER IN 3.4370.												
		& THRU 6D-4115 NON-TURBO AND 6D-4066 TURBO ENGINE.												
		% EFFECTIVE WITH 6D-4116 NON-TURBO 6D-4067 TURBO.												
		3.4090 - SHIM, BLOWER ROTOR GEAR												
4A,B,D	**5116164**	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A,B,D	**5116165**	SHIM (.003")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A,B,D	**5116166**	SHIM (.004")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A,B,D	**5116167**	SHIM (.005")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.4100 - SPACER, BLOWER ROTOR GEAR												
4A,B,D	**5116168**	SPACER	2	2	2	2	2	2	2			2	2	

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
		3.4115 - PLATE, BLOWER ROTOR GOVERNOR DRIVE												
4D	5121336	PLATE, 6V53											1	
4D	9409219	BOLT, 1/4"-28X3/4" (12.9001)											4	
		3.4140 - PLATE, BLOWER HOUSING END												
	5119318	+ PLATE, 2,3-53 REAR	1	1	1			1	1	1	1	1		1
4A,B	5119319	= PLATE, 2,4-53 FRT. & RR.	1	1	1	2	2	2	1	2	2	2	1	1
	5123898	? PLATE, REAR (5139694)						1						
	5134914	PLATE, 2,3,4-53 FRONT						1	1	1				
3E	5139694	PLATE, 2-53 REAR						1						
	5139299	PLATE, 2,3-53							1	1				
4D	5119192	? PLATE, 6V53 REAR (5134915)											1	
4D	5145009	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2	
4D	117297	SCREW, 5/16"-18X1 3/4" FIL HD. (12.9010)	4	4	4			4	4	4	4	4		4
		+ NOT SERVICED, REPLACE WITH (1) 5139299 END PLATE AND (2) 5142266 SEALS IN 3.4160.												
		= NOT SERVICED, REPLACE WITH (1) 5134914 END PLATE FOR INLINE ENGINES AND 5143636 FOR 6-V ENGINES AND (2) SEALS IN 3.4160.												
		? NOT SERVICED; REPLACE WITH END PLATE IN PARENTHESES PLUS (2) SEALS IN 3.4160.												
		3.4160 - SEAL, BLOWER HOUSING END PLATE												
4D	5142266	* SEAL (LIP TYPE) (TURBO & NON TURBO)	4	4	4	4	4	4	4	4	4	4	4	4
4D	5199366	SEAL (LIP TYPE) (USED WITH SLEEVE 5199368)				AR								
4D	5199367	SEAL (USED WITH SLEEVE 5199368)					AR	AR	AR					
		* USE WITH NEW COUNTERBORED END PLATES.												
		3.4163 - SPACER, BLOWER ROTOR SHAFT OIL SEAL												
	5199368	SLEEVE (USED WITH 5199366 OR 5199367 SEALS) (OVERSIZE)				AR	AR	AR	AR					
		3.4180 - COVER, BLOWER HOUSING END PLATE												
4A,B,D	5119429	COVER, 2,3,4 & 6V53 FRONT	1	1	1	1	1	1	1	1	1	1	1	1
4B	5119154	COVER, 6V53 REAR				1	1							
4A,B,D	5119394	PLATE, REINFORCEMENT (LARGE)	2	2	2	4	4	2	2	2	2	2	2	2

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
		3.4180 - COVER, BLOWER HOUSING END PLATE (CONT'D)												
4A,B,D	**5119395**	PLATE, REINFORCEMENT (SMALL)	2	2	2	4	4	2	2	2	2	2	2	2
4B,D	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)				12	12						6	
4B,D	**103321**	LOCKWASHER, 3/8" (12.9200)				12	12						6	
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER												
4A,B,D	**5119433**	GASKET, 2,3,4,6V53	1	1	1	2	2	1	1	1	1	1	1	1
		3.4220 - SEAL, BLOWER DRIVE COVER												
4B	**5180445**	SEAL, 4-53				1	1							
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING												
4B	**451220**	CLAMP, 4-53 2 1/2" (12.9660)				1	1							
		3.4300 - GEAR, BLOWER DRIVE												
4C,E	**5116377**	GEAR, 4, 6V-53 L.H. HELIX (RA-RB-LC-LD ENG., 39 TEETH)				1	1						1	
4C	**5116378**	GEAR, 4, 6V-53 R.H. HELIX (RC-RD-LA-LB ENG., 39 TEETH)				1	1						1	
4C,F	**124546**	KEY, 5/32"X5/8" WOODRUFF (12.9350)				1	1						1	
		3.4310 - HUB, BLOWER DRIVE GEAR												
4C	**5119284**	HUB, 4-53 (SHAFT)				1	1							
4F	**5116418**	HUB, 6V53 (SHAFT)											1	
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4C,F	**5119285**	WASHER, 4,6V53				1	1						1	
4C,F	**9411765**	RING (RETAINER)				1	1						1	
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
4C	**5119175**	SUPPORT, 4-53				1	1							
4F	**5129168**	SUPPORT, 6V53											1	
	5121343	COVER, 6V53											1	

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB (CONT'D)												
4C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)				2	2						6	
4F	**9418964**	BOLT, 3/8"-16X5" (12.9001)				3	3						4	
4C	**181361**	BOLT, 3/8"-24X7/8" (12.9001)				2	2						2	
	5164294	WASHER (3/8"I.D.X1/8" THICK) (7.1581)				3	3							
4C	**103341**	WASHER, 3/8" (12.9190)				2	2							
4C,F	**5152148**	WASHER, 3/8" (2.4050)				3	3							
4C,F	**103321**	LOCKWASHER, 3/8" (12.9200)				2	2							
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4C	**5116336**	GASKET, 4-53				1	1						1	
	5103474	GASKET (SUPPORT TO FLYWHEEL HOUSING)											1	
	5121344	GASKET (COVER TO SUPPORT)												
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4400.												
	5119411	+ COUPLING ASM., 4-6V53				1	1						1	
	5126237	* SPACER, 4-6V53				1	1						1	
4B	**9409221**	BOLT, 1/4"-28X1 5/8" (12.9001)				4	4						4	
		* EFFECTIVE WITH 4D-14120.												
		+ NOT SERVICED, USE 8922969.												
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4B,D,G	**5119412**	SUPPORT, 4-6-8V53				1	1						1	
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4B,D	**5180323**	+ CAM, 4-6V53				1	1						1	
		+ NOT SERVICED, USE 8922970 AND 8922967.												
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4B,D,G	**5196614**	* SPRING PACK, 4-6-8V53				1	1						1	
		* NOT SERVICED, USE (2) 5180321 SEATS AND (30) 5180322 SPRINGS.												
		3.4412 - HOUSING, AIR SHUTDOWN												
	5124850	* BOX ASM., 2-53 (7.4550)								1				
	186676	BOLT, 1/4"-20X5/8" (12.9001)								1				
	103319	LOCKWASHER, 1/4" (12.9200)								1				
		* OBSOLETE.												

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3.4000 BLOWER

	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
		3.4414 - BELLOWS ASSY., AIR SHUTDOWN												
	5186528	BELLOWS ASM., 2-53								1				
	132105	SCREW, #10-32X3/8" FIL. HD. CAD. (12.9010)								4				
	271169	NUT & WASHER ASSY., #10-32 (12.9120)								4				
		3.4416 - LINK, AIR SHUTDOWN												
	5115836	LINK, 2-53 (7.4538)								1				
	112526	PIN, 1/16"X3/8" (12.9250)								1				
	5124849	SPACER, 25/64 I.D.X3/4 O.D.X.76" THK (7.4538)								1				
	5124846	BOLT, 1/4"-28X1" (3.3110)								1				
	114492	NUT, 1/4"-28 (12.9120)								1				
		3.4418 - COVER, AIR SHUTDOWN HOUSING												
	5113160	COVER, 2-53 (7.4553)								1				
	271169	NUT & WASHER ASSY., #10-32 (12.9120)								2				
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4B,D	5119466	RETAINER, 4-6V53				1	1						1	
		3.4421 - VALVE, AIR SHUTDOWN												
	5152545	VALVE, 2-53 (3.3040)							1	1	1	1		1
	132900	SCREW, #10-32X3/8" RD. HD. SL. (12.9025)							2	2	2	2		2
		3.4422 - SHAFT, AIR SHUTDOWN VALVE												
	5121317	SHAFT, 2-53 (5.90" L.) (3.3050)							1		1			
	5124934	SHAFT, 2-53 (7.20" L.) (3.3050)								1		1		1
	5113633	SPACER, 2-53 (3.3090)							1	1	1	1		
	5139456	SEAL, 2-53 (1/2" I.D.) (2.7140)							2	2	2	2		2
	453676	PIN, 1/8"X1" (ROLL) (SPRING RETAINER) (12.9275)							1	1	1	1		1
	120394	WASHER, 3/8" (12.9190)							1	1	1	1		1
		3.4424 - CAM, AIR SHUTDOWN SHAFT												
	5122623	CAM, 2-53 (3.3063)							1	1	1	1		1
	273436	PIN, 1/8"X11/16" RETAINER (12.9300)							1	1	1	1		1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	62	63	64	68	69	71	72	73	75
		3.4426 - SPRING, AIR SHUTDOWN VALVE												
	5121295	SPRING, 2-53 (3.3070)							1			1		
	5119327	SPRING, 2-53 (LATCH) (3.3070)							1					
	5121296	SPRING, 2.53 (3.3070)								1	1			1
	5114124	SPRING, 2-53 (LATCH) (3.3070)								1				1
	5119328	SPRING, 2-53 (LATCH) (3.3070)									1			
	5112787	SPRING, 2-53 (LATCH) (3.3070)										1		
		3.4427 - LEVER, AIR SHUTDOWN VALVE												
	5112785	LATCH, 2-53 (3.3090)							1	1	1	1		1
	121926	BOLT, 1/4"-20X1 1/2" (12.9001)							1	1	1	1		1
	120392	WASHER, 1/4" (12.9190)							1	1	1	1		1
	120380	LOCKWASHER, 1/4" (12.9200)							1	1	1	1		1
		3.4428 - LEVER ASSY., AIR SHUTDOWN RESET												
	5124854	+ LEVER ASSY. (3.3110)								1				
	5114974	HANDLE ASSY. (3.3110)							1		1			
	5124852	SPRING (3.3070)								1				
	455734	PIN, 1/8"X3/4" (12.9300)								1				
	273669	PIN, 5/16"X7/16" (12.9200)								1				
	140881	SCREW, #10-32X5/16" (12.9076)								1				
	120385	WASHER, 1/4"X9/16" (12.9190)								1				
	5168374	NUT (3.3090)								1				
		+ NOT SERVICED, USE 5124853.												
		3.4429 - WIRE, AIR SHUT-OFF CONTROL												
	5146238	* WIRE ASSY. (57" LONG) (2.9422)							1	1	1	1		
	5155782	CLIP, 3/16" TUBE (7.8320)								1				
	181309	BOLT, 1/4"-28X1/2" (12.9001)							1	1	1	1		
	120380	LOCKWASHER, 1/4" (12.9200)							1	1	1	1		
	121902	NUT, 1/4"-28 (12.9120)							1	1	1	1		
		* LENGTH DETERMINED BY INSTALLATION.												

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
	3.4001	**- BLOWER ASSY.**												
		NOTE: SEE ASSEMBLY BREAKDOWN FOR COMPONENTS OF SERVICED BLOWER ASSYS. AS INDICATED. A 2 CYLINDER BASIC BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4420 EXCEPT 3.4180 AND 3.4190. A 3 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4140. A 4 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 AND 3.4370 THRU 3.4420. A 6 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 AND 3.4370 THRU 3.4420. AN 8 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 EXCEPT ITEMS IN 3.4130.												
	5129050	@ BLOWER ASM., 2-53 RA, RB (5139301)					1							
	5139302	BLOWER ASM., 2-53 RC, RD (PAGE A1)							1					
	5139304	BLOWER ASM., 2-53 R.H. ROT. ENG. (PAGE A1)								1				
	5139306	BLOWER ASM., 3-53 L.H. (PAGE A1)									1			
	5139305	BLOWER ASM., 3-53 R.H. (PAGE A1)										1		
	5142882	@ BLOWER ASM., 4-53 A OR B ENG. (5107531)											1	
	5142883	@ BLOWER ASM., 4-53 C OR D ENG. (5107532)												1
4D	**5119263**	# BLOWER ASM., 6V53 L.H. OR R.H. ROT. ENG., NON-TURBO. (TYPE 129)			1	1		1						
4D	**5173773**	# BLOWER ASM., 6V53 R.H. TURBO. ENG. (TYPE 137)	1											
	5132818	# BLOWER ASM., 8V53 R.H. ROT. ENG.) (TYPE 183)		1										
	5121182	PLUG, 1/4" PIPE (2.4015)					1		1					
4A	**186291**	BOLT, 3/8"-24X8 1/2" (12.9001)					4		4	4				
4A,B	**9433110**	BOLT, 7/16 -14X6 11/16" (12.9001)					4		4	4	4	4	4	4
	5133773	BOLT, 7/16"-14X6.86" NYLOCK	2											
	5136323	BOLT, 7/16"-14X7" NYLOCK	2											
4D	**5132923**	BOLT, 7/16"-14X6.68"	4		4	4		4						
4E	**5133004**	BOLT, 7/16"-14X7 1/2" (12.9001)		4										
4A	**5121463**	BOLT, 3/8"-24X8"					2		2	2				
4A	**5121464**	BOLT, 3/8"-24X10 3/16"									2	2		

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4001 - BLOWER ASSY. (CONT'D)												
4A	**5116150**	*BOLT, 3/8"-16X10 11/16"*									4	4		
4A,B,E	**5131913**	WASHER, 7/16"	4	4	4	4		4	4	4	4	4	4	4
	5150238	WASHER, 7/16"					4							
		@ NOT SERVICED; USE BASIC BLOWER ASSY. SHOWN IN PARENTHESES PLUS *ITEMS IN 3.4412 THRU 3.4428*												
		# NOT SERVICED AS AN ASSEMBLY; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT CONVERT TO TYPE SHOWN IN PARENTHESES.												
		3.4003 - BLOWER KIT, INSTALLATION												
		A KIT INCLUDES ITEMS IN 3.4010, 3.4025, 3.4190, 3.4220, 3.4227 AND COPPER WASHER IN 3.4350. A 6 CYLINDER KIT ALSO INCLUDES ITEMS IN 2.7010, 2.7051, 2.7650, 2.7700 AND HOSES AND CLAMPS IN 2.7834 AND G ASKET IN 3.4190.												
	5197857	BLOWER INSTALLATION KIT, 2-53					AR		AR	AR				
	5198041	BLOWER INSTALLATION KIT, 3-53									AR	AR		
	5198042	BLOWER INSTALLATION KIT, 4-53											AR	AR
	5198043	BLOWER INSTALLATION KIT, 6V53	AR		AR	AR		AR						
	5198284	BLOWER INSTALLATION KIT, 8V53		AR										
		3.4005 - BLOWER KIT, REPAIR												
		TURBO AND NON-TURBO KITS CONSIST OF WASHER IN 3.4080, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, 3.4100, 3.4160, *3.4320, AND SPACER IN 3.4370.* AN 8V53 KIT CONSISTS OF BEARINGS IN 3.4040 AND 3.4060, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, (4) 5134351 S EALS IN 3.4160, 3.4320, 3.4360, SEAL IN 3.4130, (4) SLEEVES IN 3.4163 AND GASKET IN 4.8070.												
	5198684	+ REPAIR KIT, 3-4-6V53 NON-TURBO.			AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5198679	* REPAIR KIT, 8V53 NON-TURBO		AR										
		+ NOT SERVICED, USE 5198683 KIT.												
		* INCLUDES OVERSIZE SEALS AND SLEEVES IN 3.4160.												

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3.4000 BLOWER

	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4010 - GASKET, BLOWER												
4A	5119433	GASKET, 2, 3-53 (TO END PLT) (3.4190)					1		1	1	1	1		
3E	5116294	GASKET, 2-53 (TO BLOCK)					1		1	1				
4A	5116295	GASKET, 3-53 (TO BLOCK)									1	1		
4B	5116296	GASKET, 4-53 (TO BLOCK)											1	1
4D	5121329	GASKET, 6V53 (TO BLOCK)	2		2	2		2						
	5119438	GASKET 6V53 (TO GOV. HSG.) (2.7010)	1		1	1		1						
4G	5132795	GASKET, 8V53 (FRONT TO BLOCK)		1										
4G	5133005	GASKET, 8V53 (REAR TO BLOCK)		1										
	5127963	SEAL RING, 6V53 (TO BLOCK)	1		1	1		1						
4G	5132994	SEAL RING, 8V53 (TO BLOCK)		1										
		3.4020 - HOUSING, BLOWER												
3E	5119389	HOUSING ASM., 2-53 (INCLUDES PINS)								1				
4A	5119391	HOUSING ASM., 3-53 (INCLUDES PINS)									1	1		
4B	5119392	HOUSING ASM., 4-53 (INCLUDES PINS)											1	1
3E	5121376	HOUSING ASM., (INCLUDES PINS)							1					
3E	5121327	HOUSING ASM., 2-53 (INCLUDES PINS)					1							
4D	5119393	HOUSING ASM., 6V53 (INCLUDES PINS)	1		1	1		1						
4E	5133549	HOUSING, 8V53		1										
4D	141242	PIN, 3/8"X7/8" DOWEL (12.9290)	4		4	4	4	4	4	4	4	4	4	4
		3.4025 - SCREEN, BLOWER												
3A	5196052	SCREEN, 2-53					1		1	1				
3A	5196053	SCREEN, 3-53									1	1		
3A	5196054	SCREEN, 4-53											1	1
	5122610	SCREEN, 6V53	1		1	1		1						
	5133192	SCREEN, 8V53		1										
		3.4030 - ROTOR, BLOWER												
		AN 8V-53 ROTOR SET INCLUDES (1) L.H. AND (1) R.H. HELIX ROTOR ASSY. A ROTOR ASSY. INCLUDES SHAFT AND PIN IN 3.4035, WHICH ARE NOT SOLD SEPARATELY FOR 2,3,4 AND 6V-53 ROTOR ASSEMBLIES AND SLEEVE IN 3.4163.												
3E	5127084	# ROTOR ASM., 2-53 (5139296)					2							
	5132393	# ROTOR ASM., 6V53 NON-TURBO.(5134913)			2	2		2						
3E	5139296	ROTOR ASM., 2-53							2	2				
4D	5132394	# ROTOR ASM., 6V53 TURBO.(5134913)	2											
4E	5132171	% ROTOR ASM., 8V53 R. H. HELIX		1										
4E	5132297	% ROTOR ASM., 8V53 L. H. HELIX)		1										

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4030 - ROTOR, BLOWER (CONT'D)												
	5139297	ROTOR ASM., 3-53									2	2		
	5139298	ROTOR ASM., 4-53											2	2
	5197566	ROTOR KIT, 6V53	AR											
	5198298	ROTOR SET, 8V53		1										
		# NOT SERVICED; USE (2) ROTOR ASSYS. SHOWN IN PARENTHESES PLUS (2) END PLATES IN 3.4140 AND (4) 5142266 SEALS IN 3.4160.												
		% THRU 8D-221. NOT SERVICED, USE KIT 5198298.												
		3.4033 - PLATE, BLOWER ROTOR THRUST												
4D	5134179	PLATE, 2,3,4,6V53	1		1	1	1	1	1	1	1	1	1	1
4A,B,D	5116170	SPACER	3		3	3	3	3	3	3	3	3	3	3
4A,B,D	9409062	BOLT, 1/4"-20X1" (12.9001)	3		3	3	3	3	3	3	3	3	3	3
		3.4035 - SHAFT, BLOWER ROTOR												
		A SHAFT ASSY. INCLUDES PLUGS IN 3.4037.												
	5134443	SHAFT, ASM., L.H. HELIX ROTOR-FRONT		1										
	5132148	SHAFT, 8V53 R.H. HELIX ROTOR-FRONT		1										
	5132149	SHAFT, 8V53 L.H.-R.H. HELIX ROT. RR.		2										
	142522	PIN, 1/4"X1 3/4" GROOVE (12.9270)		4										
		3.4036 - WASHER, BLOWER ROTOR SHAFT THRUST												
4D	5127077	* WASHER, 25/64" I.D.	2		2	2	2	2	2	2	2	2	2	2
4D	9409034	* BOLT, 3/8"-24X7/8" (12.9001)	2		2	2	2	2	2	2	2	2	2	2
		* EFFECTIVE WITH 2D-11470, 3D-891, 4D-1473, USE ALSO WHENEVER REPLACING ROTORS.												
		3.4037 - PLUG, BLOWER ROTOR SHAFT												
	5156280	PLUG, 5/8" CUP (3.3003)		1										
	5126789	PLUG, .696" EXPANSION (12.9330)		1										
		3.4040 - BEARING, BLOWER ROTOR FRONT												
4E	455506	BEARING, 8V53		2										
4E	9409040	BOLT, 3/8"-24X2" HEX. LOCK (RIGHT ROTOR) (1.7630)		1										

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3.4000 BLOWER

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4040 - BEARING, BLOWER ROTOR FRONT (CONT'D)												
4E	5132147	WASHER, 8V53 R.H. ROTOR (3.4030)		1										
4E	5133609	NUT, 8V53 L.H. ROT. BRG. LOCK (3.4050)		1										
4E	127684	LOCKWASHER (3.4050)		1										
		3.4041 - SEAL, BLOWER ROTOR RETAINER OIL												
4A,B,D	5116169	@ SEAL (PLASTIC)	4		4	4	4	4						
		@ NOT SERVICED, CONVERT TO LIP TYPE SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4042 - RETAINER, BLOWER OIL SEAL												
4A,B,D	5180312	* RETAINER	4		4	4	4	4						
		* NOT SERVICED. CONVERT TO LIP TYPE SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4043 - SPRING, BLOWER ROTOR OIL SEAL												
4A,B,D	5180311	* SPRING	4		4	4	4	4						
		* NOT SERVICED. CONVERT TO LIP TYPE SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4044 - RING, BLOWER ROTOR OIL SEAL												
4A,B,D	5180314	* SEAL RING	4		4	4	4	4						
		* NOT SERVICED, CONVERT TO LIP TYPE SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4050 - RETAINER, BLOWER ROTOR FRONT BEARING												
4E	5132802	RETAINER, 8V53 OUTER RACE		2										
4E	9409073	BOLT, 1/4"-20X5/8" LOCK 8V53 (12.9001)		6										
		3.4060 - BEARING, BLOWER ROTOR REAR												
4E	7451486	BEARING-8V53		2										

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4070 - RETAINER, BLOWER ROTOR REAR BEARING												
4E	**5132802**	RETAINER, 8V53 (3.4050)		2										
4E	**9409073**	BOLT, 1/4"-20X5/8" LOCK 8V53 (12.9001)		6										
		3.4080 - GEAR SET, BLOWER ROTOR												
4A,B	**5119194**	GEAR, 2 & 3-53 (R.H. HELIX; 39 TEETH)					1			1	1	1		1
4A,B	**5119195**	GEAR, 2 & 3-53 (L.H. HELIX; 39 TEETH)					1		1	1	1	1		
4A,B,D	**5128599**	GEAR, 6 & 8V53 (R.H. HELIX; 39 TEETH)	1		1	1		1					1	
4A,B,D	**5128600**	GEAR, 6 & 8V53 (L.H. HELIX; 39 TEETH)	1		1	1		1					1	1
4A	**5121402**	GEAR, 2-53 (R.H. HELIX; 39 TEETH)							1					
4E	**5132735**	= GEAR, 8V53 (L.H. HELIX; 44 TEETH)		1										
4E	**5147095**	GEAR, 8V53 (R.H. HELIX; 44 TEETH)		1										
4A,B	**9409018**	BOLT, 5/16"-24X7/8" (12.9001)					2		2	2	2	2	1	1
	5121403	WASHER					2		2	2	2	2		
4A,B	**5116316**	WASHER											1	1
		= NOT SERVICED. REPLACE WITH *5146518 GEAR, PLUS* (1) 5146517 HUB, (2) 5146519 PLATE, (3) 5124520 WASHER, (6) 5146520 WASHER AND (2) 9409232 BOLT.												
		3.4082 - PILOT, BLOWER DRIVE CAM												
	5126236	# PILOT, 4 & 6V53	2		2	2		2					1	1
4E	**5132799**	PILOT, 8V53		2										
4B	**9409018**	& BOLT, 5/16"-24X7/8" (LEFT GEAR) (12.9001)	1										1	1
	9415108	& BOLT, 5/16"-24X7/8" 12 PT. HEAD (RIGHT GEAR) (12.9005)	1											
	9409023	% BOLT, 5/16"-24X1 3/4" (LEFT GEAR) (12.9001)	1		1	1		1						
	9420604	% BOLT, 5/16"-24X1 3/4" (RIGHT BANK) (12.9005)	1		1	1		1						
4E	**9409041**	BOLT, 3/8"-24X2 1/2" HEX. LOCK (LEFT GEAR)		1										
4E	**9421329**	BOLT, 3/8"-24X2 1/2" 12 PT. HD. (RIGHT GEAR) (12.9005)		1										
		# EFFECTIVE WITH 4D-14120, MUST BE USED WITH 5126237 SPACER IN 3.4370.												
		& THRU 6D-4115 NON-TURBO AND 6D-4066 TURBO ENGINE.												
		% EFFECTIVE WITH 6D-4116 NON-TURBO 6D-4067 TURBO.												

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4090 - SHIM, BLOWER ROTOR GEAR												
4A,B,D	**5116164**	SHIM (.002")	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A,B,D	**5116165**	SHIM (.003")	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A,B,D	**5116166**	SHIM (.004")	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4A,B,D	**5116167**	SHIM (.005")	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4E	**5154226**	SHIM (.002")		AR										
4E	**5154227**	SHIM (.005")		AR										
4E	**5154228**	SHIM (.010")		AR										
		3.4100 - SPACER, BLOWER ROTOR GEAR												
4A,B,D	**5116168**	SPACER	2		2	2	2	2	2	2	2	2	2	2
		3.4115 - PLATE, BLOWER ROTOR GOVERNOR DRIVE												
4D	**5121336**	PLATE, 6V53	1		1	1		1						
4D	**9409219**	BOLT, 1/4"-28X3/4" (12.9001)	4		4	4		4						
		3.4130 - HUB, BLOWER ROTOR GEAR												
	5132801	% HUB (PLATE)		1										
4G	**5134486**	SEAL, 8V53 (PISTON RING TYPE)		1										
	9409232	BOLT, 5/16"-24X5/8" LOCK (12.9001)		4										
		% NOT SERVICED. FOR REPLACEMENT USE 5146517 HUB PLUS (1) 5146518 GEAR, (2) 5146519 PLATE, (6) 5146520 WASHE R, (3) 5124520 WASHER AND (2) 9409232 BOLT.												
		3.4140 - PLATE, BLOWER HOUSING END												
	5119318	+ PLATE, REAR					1							
	5119319	= PLATE, FRONT	1		1	1	1	1						
	5134914	PLATE, 2,3& 4-53 FRONT							1	1	1	1	2	2
	5139299	PLATE, REAR							1	1	1	1		
4D	**5119192**	? PLATE, REAR (5134915)	1		1	1		1						
4D	**5134915**	PLATE ASSY., 6V53 REAR	1											
4E	**5132982**	* PLATE ASSY., 8V53 FRONT		1										
4E	**5132583**	* PLATE ASSY., 8V53 REAR		1										
4E	**5150542**	PIN, 5/16"X2" DOWEL		4										
	5109389	STRAINER, OIL PASSAGE		2										

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4140 - PLATE, BLOWER HOUSING END (CONT'D)												
4D	**8924380**	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2	2
4D	**117297**	SCREW, 5/16"-18X1 3/4" FIL. HD. (12.9010)					4		4	4	4	4		
	138244	BOLT, 3/8"-16X1 1/2" SOC. HD. (12.9027)		2										
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		2										4
	103321	LOCKWASHER, 3/8" (12.9200)		2										
	103341	WASHER, 3/8" (12.9190)												4
		+ NOT SERVICED, REPLACE WITH (1) 5139299 END PLATE AND (2) 5134924 SEALS IN 3.4160.												
		= NOT SERVICED, REPLACE WITH (1) 5134914 END PLATE FOR INLINE ENGINES AND 5143636 FOR 6-V ENGINES AND (2) S EALS IN 3.4160.												
		? NOT SERVICED; REPLACE WITH END PLATE IN PARENTHESES PLUS (2) SEALS IN 3.4160.												
		* A PLATE ASSY. INCLUDES PINS, PLUG AND STRAINER IN 3.4140 AND SEAL IN 3.4160.												
		3.4160 - SEAL, BLOWER HOUSING END PLATE												
4D	**5199366**	SEAL, LIP TYPE (USED WITH SLEEVE 5199368)2,3,4 & 6V53	AR											
4D	**5142266**	* SEAL, LIP TYPE-2,3,4 & 6V53 NON-TURBO & TURBO.	4				4			4	4	4	4	4
4D	**5199367**	SEAL (USED WITH SLEEVE 5199368) 2,3,4 & 6V53					AR			AR	AR		AR	AR
4E	**5132909**	SEAL, 8V53 FRONT		2										
4E	**5134351**	SEAL, 8V53 REAR		2										
		* USE WITH NEW COUNTERBORED END PLATES.												
		3.4163 - SPACER, BLOWER ROTOR SHAFT OIL SEAL												
	5199368	SLEEVE (USED WITH 5199366 OR 5199367 SEALS) 2,3,4,& 6V53 (OVERSIZE)	AR				AR			AR	AR		AR	AR
	5134444	SLEEVE, 8V53 REAR		2										
		3.4180 - COVER, BLOWER HOUSING END PLATE												
4A,B,D	**5119429**	COVER, 2,3,4,& 6V53 FRONT	1		1	1	1	1	1	1	1	1	1	1
4B	**5119154**	COVER, 4-53 REAR											1	1
4A,B,D	**5119394**	PLATE, REINFORCEMENT (LARGE)	2		2	2	2	2	2	2	2	2	4	4
4A,B,D	**5119395**	PLATE, REINFORCEMENT (SMALL)	2		2	2	2	2	2	2	2	2	4	4
4B,D	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)	6		6	6		6					12	12
4B,D	**103321**	LOCKWASHER, 3/8" (12.9200)	6										6	6

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER												
4A,B,D	**5119433**	GASKET	1		1	1	1	1	1	1	1	1	2	2
		3.4220 - SEAL, BLOWER DRIVE COVER												
4B	**5180445**	SEAL, 4-53											1	1
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING												
4B	**451220**	CLAMP, 2 1/2" HOSE (12.9660)											1	1
		3.4300 - GEAR, BLOWER DRIVE												
4C,E	**5116377**	GEAR, L.H. HELIX-6V53 (RA-RB-LC-LD ENG.; 39 TEETH)	1		1	1		1					1	1
4C,E	**5116378**	GEAR, R.H. HELIX-6V53 (RC-RD-LA-LB ENG.; 39 TEETH)	1		1	1		1					1	1
4G	**5132778**	GEAR, L.H. HELIX-8V53 (R.H. ENG.; 44 TEETH)		1										
4G	**5132851**	* GEAR, R.H. HELIX-8V53 (L.H. ENG.; 44 TEETH)		1										
4C,F	**124546**	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1		1	1		1					1	1
		* OBSOLETE												
		3.4310 - HUB, BLOWER DRIVE GEAR												
C	**5119284**	HUB, 4-53 (SHAFT)											1	1
4F	**5116418**	HUB, 6V53 (SHAFT)	1		1			1						
4G	**5133831**	HUB, 8V53 (SHAFT)		1										
	5135841	* HUB, 6V53 (SHAFT)				1								
		* OBSOLETE.												
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4C,F	**5119285**	WASHER	1		1	1		1					1	1
4G	**5133258**	WASHER		1										
4C,F	**9411765**	RING (RETAINER)	1		1	1		1					1	1
4E	**9414847**	RING (RETAINER)		1										

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
4C	**5119175**	SUPPORT, 4-53											1	1
4F	**5129168**	SUPPORT, 6V53	1			1								
4F	**5134680**	SUPPORT, 6V53			1			1						
4G	**5133013**	HOUSING, 8V53 (SUPPORT)		1										
	5121343	COVER, 6V53	1		1			1						
	8924380	*PLUG, 1/8" PIPE SOC. HD. (12.9550)*		1										
4C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)											2	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		6										
	455373	BOLT, 3/8"-16X4 1/2" SOC. HD. (12.9027)		1										
4F	**9418964**	BOLT, 3/8"-16X5" (12.9001)	6		6			6						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												2
4C	**181361**	BOLT, 3/8"-24X7/8" (12.9001)											3	3
	5164294	WASHER, 3/8" I.D. X 1/8" THICK (7.1581)	4		4			4						
4C	**103341**	WASHER, 3/8" (12.9190)		6									2	2
4C,F	**5152148**	WASHER, 3/8" COPPER (2.4050)	2		2			2					3	3
4C,F	**103321**	LOCKWASHER, 3/8" (12.9200)		6									2	2
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4C	**5116336**	GASKET, 4-53 (2.7010)											1	1
	5103474	GASKET, *6V53(SUPT. TO FLYWHL. HSG.)*	1		1	1		1						
	5121344	GASKET, 6V-53 (CVR. TO SUPT.)	1		1			1						
	5132873	GASKET, 8V53 (SUPT. TO CYL. BLK. END PLATE)		1										
4G	**5132765**	GASKET, 8V53 (SUPT. TO BLO. END PLATE) (3.4190)		1										
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4400.												
	5119411	+ COUPLING ASM., 4-53 & 6V53	1		1	1		1					1	1
	5133269	COUPLING ASM., 8V53		1										
	5126237	* SPACER (3.4100)	1		1	1		1					1	1
4B	**9409221**	BOLT, 1/4"-28X1 5/8" (12.9001)	4		4	4		4					4	4
4G	**9409228**	BOLT, 1/4"-28X2 1/4" (12.9001)		2										
4G	**178474**	*WASHER, 1/4" (12.9190)*		2										
		* EFFECTIVE WITH 4D-14120.												
		+ NOT SERVICED, USE 8922969.												
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4B,D,G	**5119412**	SUPPORT, 4-6V-8V53	1	2	1	1		1					1	1

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4B,D	5180323	+ CAM	1		1	1		1					1	1
4G	5133302	CAM		1										
		+ NOT SERVICED, USE 8922970 AND 8922967.												
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4B,D,G	5196614	* SPRING PACK (INCLUDES SPRINGS AND SEATS)	1	2	1	1		1					1	1
		* NOT SERVICED, USE (2) 5180321 SEATS AND (30) 5180322 SPRINGS.												
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4B,D	5119466	RETAINER	1		1	1		1					1	1
		3.4421 - VALVE, AIR SHUTDOWN												
	5152545	VALVE (3.3040)					1							
	132900	SCREW, #10-32X3/8 RD. HD. SL (12.9025)					2							
		3.4422 - SHAFT, AIR SHUTDOWN VALVE												
	5124934	SHAFT, 7.2" L. 2-53 (3.3050)					1							
	5113633	SPACER (3.3090)					1							
	5139456	SEAL (1/2"I.D.) (2.7140)					2							
	453676	PIN, 1/8"X1" (ROLL) (SPRING RETAINER) (12.9275)					1							
	120394	WASHER, 3/8" (12.9190)					1							
		3.4424 - CAM, AIR SHUTDOWN SHAFT												
	5122623	CAM, 2-53 (3.3063)					1							
	273436	PIN, 1/8"X11/16" RETAINER (12.9300)					1							
		3.4426 - SPRING, AIR SHUTDOWN VALVE												
	5121296	SPRING, 2-53 (3.3070)					1							
	5114124	SPRING, 2-53 LATCH (3.3070)					1							
		3.4427 - LEVER, AIR SHUTDOWN VALVE												
	5112785	LATCH, 2-53 (3.3090)					1							
	2104066	CLEVIS (2.9400)					1							
	112526	PIN, 1/16"X3/8" (12.9250)					1							

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	95	98	101	102	106	110	111	113	114	115	116
		3.4427 - LEVER, AIR SHUTDOWN VALVE (CONT'D)												
	103495	PIN, 5/16"X31/32" (12.9260)					1							
	121926	BOLT, 1/4"-20X1 1/2" (12.9001)					1							
	120392	WASHER, 1/4" (12.9190)					1							
	120380	LOCKWASHER, 1/4" (12.9200)					1							
		3.4428 - LEVER ASSY., AIR SHUTDOWN RESET												
	5114974	HANDLE ASSY. (3.3110)					1							

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3.4001 - BLOWER ASSY.

NOTE: SEE ASSEMBLY BREAKDOWN FOR COMPONENTS OF SERVICED BLOWER ASSYS. AS INDICATED.
A 2 CYLINDER BASIC BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4420 EXCEPT 3.4180 AND 3.4190.
A 3 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4140.
A 4 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 AND 3.4370 THRU 3.4420.
A 6 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 AND 3.4370 THRU 3.4420.
AN 8 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 EXCEPT ITEMS IN 3.4130 FOR 51411 88 ASSY.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
	5139923	* BLOWER ASM., 2-53 RC, RD (5139511)	1											
	5139926	@ BLOWER ASM., 2-53 RC, RD (5139511)		1										
	5119257	# BLOWER ASSY., 2-53 L.H. ROT. ENG.			1									
	5142384	+ BLOWER ASM., 6V53 R.H. ROT. ENG.				1	1							1
	5139305	BLOWER ASM., 3-53 R.H. ROT. ENG. (PAGE A1)						1						
	5139925	* BLOWER ASM., 2-53 R.H. ROT. ENGINE (5139301)							1					
	5142042	% BLOWER ASM., 2-53 L.H. ROT. ENG. (PAGE A1)								1				
	5139927	@ BLOWER ASM., 2-53 R.H. ROT. ENG. (5139301)									1	1		
	5141188	& BLOWER ASM., 8V53 TURBO. RH ROT. ENGINE (USE TYPE 177)											1	
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1					1	1	1	1		
4A	**186291**	BOLT, 3/8"-16X8 1/2" (12.9001)	4	4	4				4	4	4	4		
4A,B	**9433110**	BOLT, 7/16"-14X6 11/16" (12.9001)	4	4	4			4	4	4	4	4		
	5133773	BOLT, 7/16"-14X6.86" L. (NYLOCK)												2
	5136323	BOLT, 7/16"-14X7" (NYLOCK)												2
	5132923	BOLT, 6.68" L.				4	4							
4E	**5133004**	BOLT, 7.50" L. (12.9001)											4	
	5121463	BOLT, 8" L.	2	2	2			2	2	2	2	2		
4A	**5116150**	BOLT, 10 11/16" L.						4						
4A,D,E	**5131913**	WASHER, 7/16"	4	4	4	4	4	4	4	4			4	4
	5150238	WASHER, 7/16"									4	4		

* NOT SERVICED; USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES PLUS ITEMS IN 3.4421 THRU 3.4428.

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PART FIG NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
3.4001	**- BLOWER ASSY. (CONT'D)**												
	@ NOT SERVICED; USE BASIC BLOWER ASSEMBLY SHOWN IN PARENTHESES, *PLUS ITEMS IN 3.4412 THRU 3.4428.*												
	# NOT SERVICED; REPLACED BY 5142042.												
	& NOT SERVICED AS AN ASSEMBLY; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT CONVERT TO TYPE SHOWN IN PARENTHESES.												
	+ NOT SERVICED; USE BASIC BLOWER ASSEMBLY 5107524 FOR COMMERCIAL ENGINES AND 5107526 FOR MILITARY ENGINES.												
	% OBSOLETE.												
3.4003	**- BLOWER KIT, INSTALLATION**												
	A KIT INCLUDES ITEMS IN 3.4010, 3.4025, 3.4190, AND COPPER WASHER IN 3.4350 AND 3.4360. A 6 CYLINDER KIT ALSO INCLUDES ITEMS IN 2.7010, 2.7051, 2.7650, 2.7700 AND HOSES AND CLAMPS IN 2.7834.												
5197857	BLOWER INSTALLATION KIT, 2-53	1	1	1				1	1	1	1		
5198043	BLOWER INSTALLATION KIT, 6V53				1	1							
5198041	BLOWER INSTALLATION KIT, 3-53						1						
5198284	BLOWER INSTALLATION KIT, 8V53											1	
3.4005	**- BLOWER KIT, REPAIR**												
	TURBO AND NON-TURBO KITS CONSIST OF WASHERS IN 3.4080, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, 3.4100, 3.4160, 3.4320 AND SPACER IN 3.4370. AN 8V53 KIT CONSISTS OF BEARINGS IN 3.4040 AND 3.4060, PILOT IN 3.4082 PLUS ITEMS IN 3.4090, 3.4160, 3.4320, 3.4360, SEAL IN 3.4130, (4) SLEEVES IN 3.4160 AND GASKET IN 4.8030.												
5198684	+ BLOWER REPAIR KIT, 2-3-4-6V53 NON-TURBO.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
5198683	# BLOWER REPAIR KIT, 4 & 6V53 (LIP TYPE SEAL)												AR
	+ *NOT SERVICED, USE 5198683 KIT.*												
	# INCLUDES OVERSIZE SEALS AND SLEEVE IN 3.4160.												

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IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
		3.4010 - GASKET, BLOWER												
4A	**5119433**	GASKET, 2 & 3-53 (TO END PL.(3.4190)	1	1	1			1						
3E	**5116294**	GASKET, 2-53 (TO BLOCK)	1	1	1				1	1	1	1		
4D	**5121329**	GASKET, 6V53 (TO BLOCK)				2	2							2
4A	**5116295**	GASKET, 3-53 (TO BLOCK)						1						
	5132795	GASKET, 8V53 (FRONT-TO BLOCK)											1	
	5133005	GASKET, 8V53 (REAR-TO BLOCK)											1	
	5127963	RING, SEAL 6V53 (TO BLOCK)				1	1							1
4E	**5132994**	RING, SEAL 8V53 (TO BLOCK)											1	
		3.4020 - HOUSING, BLOWER												
4E	**5133549**	HOUSING, 8V53											1	
3E	**5119389**	HOUSING ASM., 2-53 (INCLUDES PINS)			1					1				
4B	**5119393**	HOUSING ASM., 6V53 (INCLUDES PINS)				1	1							1
	5119391	HOUSING ASM., 3-53 (INCLUDES PINS)						1						
4D	**141242**	PIN, 3/8"X7/8" DOWEL (12.9290)			4	4	4	4		4				4
		3.4025 - SCREEN, BLOWER												
3A	**5196052**	SCREEN, 2-53	1	1	1				1	1	1	1		
3C	**5122610**	SCREEN, 6V53				1	1							1
3A	**5196053**	SCREEN, 3-53						1						
3D	**5133192**	SCREEN, 8V53											1	
		3.4030 - ROTOR, BLOWER IMPELLER												
		AN 8V-53 ROTOR ASSY. INCLUDES SHAFT AND PIN IN 3.4035, WHICH ARE NOT SOLD SEPARATELY, FOR 2,3,4 AND 6V-53 R OTOR ASSEMBLIES.												
3E	**5139296**	ROTOR ASSY., 2-53								2				
3E	**5127084**	@ ROTOR ASSY.			2									
4D	**5134913**	ROTOR ASSY., 6V53				2	2							2
4A	**5139297**	ROTOR ASSY., 3-53						2						
4E	**5141310**	# ROTOR ASSY. (R.H.)											1	
4E	**5141307**	# ROTOR ASSY. (L.H.)											1	

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
		3.4030 - ROTOR, BLOWER (CONT'D)												
	5198298	ROTOR SET, 8V53 @ NOT SERVICED, REPLACE WITH *5139296 ROTOR PLUS* 5139299 END PLATES IN 3.4140 AND (4) 5142266 OIL SEAL IN 3.4160. # THRU 8D-4568. NOT SERVICED; REPLACE WITH ONE EACH 5145876 AND 5145877 ROTORS PLUS (2) 7451768 FRONT ROTOR BEARINGS.											1	
		3.4033 - PLATE, BLOWER ROTOR THRUST												
	5134179	PLATE, 2,3,4,6V53			1	1	1	1		1				1
4A,B,D	**5116170**	SPACER			3	3	3	3		3				3
4A,B,D	**9409062**	BOLT, 1/4"-20X1" (12.9001)			3	3	3	3		3				3
		3.4036 - WASHER, BLOWER ROTOR SHAFT THRUST												
4D	**5127077**	WASHER, 25/64" I.D.			2	2	2	2		2				2
4D	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)			2	2	2	2		2				2
		3.4040 - BEARING, BLOWER ROTOR FRONT												
4E	**7451768**	BEARING, 8V53											2	
4E	**9409040**	BOLT, 3/8"-24X2" LOCK RIGHT ROTOR (1.7630)											1	
4E	**127684**	LOCKWASHER (3.4050)											1	
4E	**5132147**	WASHER (RIGHT ROTOR) (3.4030)											1	
4E	**5133609**	NUT, BEARING LOCK (LEFT ROTOR) (3.4050)											1	
		3.4041 - SEAL, BLOWER ROTOR RETAINER OIL												
	5116169	# SEAL (PLASTIC) # NOT SERVICED, CONVERT TO 5134924 *LIP TYPE OIL SEAL IN 3.4160* PLUS NEW END PLATES IN 3.4140.			1									
		3.4042 - RETAINER, BLOWER OIL SEAL												
	5180312	# RETAINER # NOT SERVICED, CONVERT TO 5134924 LIP TYPE OIL SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.			1									

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
		3.4043 - SPRING, BLOWER ROTOR OIL SEAL												
	5180311	# SPRING			1									
		# NOT SERVICED, CONVERT TO 5134924 LIP TYPE OIL SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4044 - RING, BLOWER ROTOR OIL SEAL												
4A,B,D	**5180314**	# SEAL RING			1									
		# NOT SERVICED, CONVERT TO 5134924 LIP TYPE OIL SEAL IN 3.4160 PLUS NEW END PLATES IN 3.4140.												
		3.4050 - RETAINER, BLOWER ROTOR FRONT BEARING												
4E	**5132802**	RETAINER, 8V53 (OUTER RACE)											2	
4E	**9409073**	BOLT, 1/4"-20X5/8" LOCK (12.9001)											6	
		3.4060 - BEARING, BLOWER ROTOR REAR												
4E	**7451486**	BEARING, 8V53											2	
		3.4070 - RETAINER, BLOWER ROTOR REAR BEARING												
4E	**5132802**	RETAINER, 8V53 (3.4050)											2	
4E	**9409073**	BOLT, 1/4"-20X5/8" LOCK (12.9001)											6	
		3.4080 - GEAR SET, BLOWER ROTOR												
4A,B,D	**5128599**	GEAR, 4 & 6V53 (R.H. HELIX; 39 TEETH)				1	1							1
4A,B,D	**5128600**	GEAR, 4 & 6V53 (L.H. HELIX; 39 TEETH)				1	1							1
4A	**5119194**	GEAR, 2 & 3-53 (R.H. HELIX; 39 TEETH)			1			1		1				
4A	**5119195**	GEAR, 2 & 3-53 (L.H. HELIX; 39 TEETH)			1			1		1				
4E	**5132735**	* GEAR, 8V53 (L.H. HELIX; 44 TEETH)											1	
4E	**5147095**	GEAR, 8V53 (R.H. HELIX; 44 TEETH)											1	
4A,B	**9409018**	BOLT, 5/16"-24X7/8" (12.9001)			2			2		2				
4A,B	**5121403**	WASHER			2	2	2	2		2				2
		* NOT SERVICED, FOR REPLACEMENT USE 5146518 GEAR PLUS (1) 5146517 HUB, (2) 5146519 PLATE, (6) 5146520 WASHE R, (3) 5124520 WASHER AND (2) 9409232 BOLT.												

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3.4000 BLOWER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
		3.4082 - PILOT, BLOWER DRIVE GEAR												
	5126238	PILOT, 453 & 6V53	1	1	1	2	1	1	1	1	1	1	1	1
	5132799	PILOT, 8V53											2	
4B	9409023	BOLT, 5/16"-24X1 3/4" LEFT GEAR (12.9001)				1	1							1
	9420604	BOLT, 5/16"-24X1 3/4" 12 PT. (12.9005)				1	1							1
	9409041	BOLT, 3/8"-24X2 1/2" LOCK (LEFT GEAR) (12.9005)											1	
	9421329	BOLT, 3/8"-24X2 1/2" 12 PT. (RIGHT GEAR) (12.9005)											1	
		3.4090 - SHIM, BLOWER ROTOR GEAR												
4A,B,D	5116164	SHIM (.002")			AR	AR	AR	AR		AR				AR
4A,B,D	5154226	SHIM (.002")											AR	
4A,B,D	5116165	SHIM (.003")			AR	AR	AR	AR		AR				AR
4A,B,D	5116166	SHIM (.004")			AR	AR	AR	AR		AR				AR
4A,B,D	5116167	SHIM (.005")			AR	AR	AR	AR		AR				AR
4A,B,D	5154227	SHIM (.005")											AR	
4A,B,D	5154228	SHIM (.010")											AR	
		3.4100 - SPACER, BLOWER ROTOR GEAR												
4A,B,D	5116168	SPACER			2	2	2	2		2				2
		3.4130 - HUB, BLOWER ROTOR GEAR DRIVE												
	5132801	= HUB (PLATE)											1	
	5134486	# SEAL (PISTON RING TYPE)											1	
4E	9409232	# BOLT, 5/16"-24X5/8" HEX. LOCK (12.9001)											4	
		= NOT SERVICED. FOR REPLACEMENT USE 5146517 HUB PLUS (1) 5146518 GEAR, (2) 5146519 PLATE, (6) 5146520 WASHER, (3) 5124520 WASHER AND (2) 9409232 BOLTS.												
		# USED WITH 5132801 HUB.												
		3.4140 - PLATE, BLOWER HOUSING END												
4A	5134914	PLATE, 2-3 AND 4-53 FRONT						1		1				
4A	5139299	PLATE, 2 AND 3-53 REAR						1		1				
3E	5119318	# PLATE, REAR			1									

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3.4000 BLOWER AND DRIVE

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
		3.4140 - PLATE, BLOWER HOUSING END (CONT'D)												
3E	**5119319**	# PLATE, FRONT			1									
4D	**5134915**	PLATE, 6V53 REAR				1	1							1
4A	**5143636**	PLATE, 6V53 FRONT				1	1							1
4E	**5141189**	* PLATE ASSY., 8V53 REAR											1	
4E	**5141198**	* PLATE ASSY., 8V53 FRONT											1	
4E	**5150542**	PIN, 5/16"X2" DOWEL											4	
4D	**8924380**	PLUG, 1/8" PIPE (12.9550)			2	2		2		2				2
4A	**117297**	SCREW, 5/16"-18X1 3/4" FIL. HD. (12.9010)			4			4		4			2	
	5109389	STRAINER, OIL PASSAGE-8V53											2	
	5127477	SLEEVE (BOLT GUIDE)											2	
	138244	BOLT, 3/8"-16X1 1/2" SOC. HD. (12.9027)											2	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											2	
	103321	LOCKWASHER, 3/8" (12.9200)											2	
		# NOT SERVICED, REPLACE WITH 5139299 AND 5134914 PLATE AND INCLUDE 4-5142266 SEALS IN 3.4160												
		* A PLATE ASSY. INCLUDES PINS, PLUG AND STRAINER IN 3.4140 AND SEAL IN 3.4160.												
		3.4160 - SEAL, BLOWER HOUSING END PLATE												
4D	**5199367**	SEAL (USE WITH 5199368 SLEEVE)	AR	AR		AR	AR	AR	AR	AR	AR	AR		
4E	**5141419**	SEAL, 8V53											4	
4D	**5142266**	& SEAL			4	4	4	4		4				4
4D	**5199366**	SEAL (USE WITH 5199368 SLEEVE) & USE WITH COUNTERBORED END PLATES.												AR
		3.4163 - SPACER, BLOWER ROTOR SHAFT OIL SEAL												
	5199368	SPACER (USED WITH 5199366 & 5199367 SEALS) (OVERSIZE)	AR	AR		AR	AR	AR	AR	AR	AR	AR		
	5134444	SLEEVE, 8V53 REAR											4	
		3.4180 - COVER, BLOWER HOUSING END PLATE												
4A,B,D	**5119429**	COVER (FRONT)	1	1	1			1	1	1	1	1		
4A,B,D	**5119394**	PLATE, REINFORCEMENT (LARGE)	2	2	2			2	2	2	2	2		
4A,B,D	**5119395**	PLATE, REINFORCEMENT (SMALL)	2	2	2			2	2	2	2	2		
4B,D	**427588**	BOLT, 3/8"-16X2 1/2" (12.9001)				6	6							6
3E	**5121463**	BOLT, 3/8"-24X8			2	2			2	2	2	2		
4A	**5121464**	BOLT, 3/8"-24X10 3/16"						2						
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER												
4A,B,D	**5119433**	GASKET	2	2	2			2	2	2	2	2		
	5119438	GASKET (2.7010)				1	1							1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
		3.4300 - GEAR, BLOWER DRIVE												
4D	**5116378**	GEAR, 6V53 (R.H. HELIX; 39 TEETH)				1	1							1
4D	**5116377**	GEAR, 6V53 (L.H. HELIX; 39 TEETH)				1	1							
4E	**5132846**	GEAR, 8V53 (L.H. HELIX; 45 TEETH)											1	
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)				1	1							1
		3.4310 - HUB, BLOWER DRIVE GEAR												
4D	**5116418**	HUB, 6V53 (SHAFT)				1	1							1
4E	**5133831**	HUB, 8V53 (SHAFT)											1	
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4F	**5119285**	WASHER				1	1							1
4E	**5133258**	WASHER											1	
4F	**9411765**	RING (RETAINER)				1	1							1
4E	**9414847**	RING (RETAINER)											1	
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
4F	**5129168**	SUPPORT, 6V53				1								1
4F	**5134680**	SUPPORT, 6V53					1							
4F	**5121343**	COVER				1	1							1
	5164294	SPACER (7.1581)				4	4							4
4E	**5133013**	HOUSING (SUPPORT)											1	
	8924380	PLUG, 1/8" PIPE SOC. HD. (12.9550)											1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)				4	4						6	4
	455373	BOLT, 3/8"-16X4 1/2" SOC. HD. (12.9027)											1	
	9418964	BOLT, 3/8"-16X5" (12.9001)				6	6							6
	5152148	WASHER, 3/8" COPPER (2.4050)				2	2							2
4C	**103341**	WASHER, 3/8" (12.9190)				4	4						6	4
4C,D	**103321**	LOCKWASHER, 3/8" (12.9200)											6	
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4D	**5103474**	GASKET, 6V53 (SUPT. TO FLY. HSG.)				1	1							1
4D	**5121344**	GASKET, 6V53 (COVER TO SUPT.)				1	1							1
4E	**5132873**	GASKET, 8V53 (SUPT. TO END PLATE)											1	
4E	**5132765**	GASKET (SUPPORT TO BLOWER END PLATE) (3.4190)											1	

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3.4000 BLOWER AND DRIVE

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4400.												
4E	**5133269**	COUPLING ASSY., 8V53											1	
	8922969	COUPLING ASSY., 4&6V				1	1							
	9409228	BOLT, 1/4"-28X2 1/4" (12.9001)											2	
	178474	WASHER, 1/4" (12.9190)											2	
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4B,D,E	**5119412**	SUPPORT, 453-6V&8V53				1	1						2	1
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4B,D	**5180323**	+ CAM				1	1							1
4E	**5133302**	CAM											1	
		+ NOT SERVICED, USE 8922970 AND 8922967.												
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4B,D,E	**5196614**	* SPRING PACK (INCLUDES SPRINGS AND SEATS)				1	1						1	1
		* NOT SERVICED, USE (2) 5180321 SEATS AND (30) 5180322 SPRINGS.												
		3.4412 - HOUSING, AIR SHUTDOWN												
	5124851	BOX ASM., 2-53 (7.4519)		1										
	5128276	BOX ASM., 2-53 (7.4550)									1	1		
	186676	BOLT, 1/4"-20X5/8" (12.9001)		1							1	1		
	120380	LOCKWASHER, 1/4" (12.9200)		1							1	1		
		3.4414 - BELLOWS ASSY., AIR SHUTDOWN												
	5186528	BELLOWS ASM., 2-53 (7.4586)		1							1	1		
	132105	SCREW, #10-32X3/8 FIL. HD. CAD. (12.9010)		4							4	4		
	271169	NUT & WASHER ASSY., #10-32 (12.9120)		4							4	4		
		3.4416 - LINK, AIR SHUTDOWN												
	5115836	LINK, 2-53 (7.4538)		1							1	1		
	112526	PIN, 1/16"X3/8" (12.9250)		1										
	5124849	SPACER, 25/64" I.D.X3/4" O.D.X.76" (7.4538)		1										

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
		3.4416 - LINK, AIR SHUTDOWN (CONT'D)												
	5124846	BOLT, 1/4"-28X1" (3.3110)		1							1	1		
	120380	LOCKWASHER, 1/4" (12.9200)									1	1		
	114492	NUT, 1/4"-28 (12.9120)		1							1	1		
		3.4418 - COVER, AIR SHUTDOWN HOUSING												
	5113160	COVER, 2-53 (7.4553)		1										
	271169	NUT & WASHER ASSY., #10-32 (12.9120)		2										
		3.4421 - VALVE, AIR SHUTDOWN												
	5152545	VALVE, 2-53 (3.3040)	1	1					1		1	1		
	132900	SCREW, #10-32X3/8" RD. HD. SL. (12.9025)	2	2					2		2	2		
		3.4422 - SHAFT, AIR SHUTDOWN VALVE												
	5124934	SHAFT, 7.2" L., 2-53 (3.3050)		1							1	1		
	5121317	SHAFT, 5.9" L., 2-53 (3.3050)	1						1					
	5113633	SPACER (3.3090)	1	1					1					
	5139456	SEAL, 1/2" I.D. (3.3055)	2	2					2		2	2		
	453676	PIN, 1/8"X1" (ROLL) (SPRING RETAINER) (12.9275)	1	1					1		1	1		
	120394	WASHER, 3/8" (12.9190)	1	1					1		1	1		
		3.4424 - CAM, AIR SHUTDOWN SHAFT												
	5122623	CAM (3.3110)	1	1					1		1	1		
	273436	PIN, 1/8"X11/16" RETAINER (12.9300)	1	1					1		1	1		
		3.4426 - SPRING, AIR SHUTDOWN VALVE												
	5121295	SPRING (3.3070)	1	1										
	5119327	SPRING (LATCH) (3.3070)	1											
	5112787	SPRING (LATCH) (3.3070)		1										
	5121296	SPRING (3.3070)							1		1	1		

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3.4000 BLOWER AND DRIVE

PART NUMBER	NAME AND DESCRIPTION	TYPES 120	121	122	127	129	130	132	133	134	135	136	137
3.4427 - LEVER, AIR SHUTDOWN VALVE													
5112785	LATCH (3.3090)	1	1					1		1	1		
2104066	CLEVIS (2.9400)										1		
112526	PIN, 1/16"X3/8" (12.9250)										1		
103495	PIN, 5/16"X31/32" (12.9260)										1		
121926	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1					1		1	1		
120392	WASHER, 1/4" (12.9190)	1	1					1		1	1		
120380	LOCKWASHER, 1/4" (12.9200)	1	1					1		1	1		
3.4428 - LEVER ASSY., AIR SHUTDOWN RESET													
5124853	LEVER ASSY. (3.3110)		1										
5128532	LEVER ASSY. (7.4536)									1	1		
5114974	HANDLE ASSY. (3.3110)	1	1					1					
5124852	SPRING (3.3070)		1										
5119328	SPRING (3.3070)							1					
5114124	SPRING (3.3070)									1	1		
455532	PIN, 1/8"X1/2" (12.9275)		1										
455734	PIN, 1/8"X3/4" (12.9300)		1							1	1		
273436	PIN, 1/8"X11/16" (ROLL) SPRING RETAINER (12.9300)									1	1		
273669	PIN, 5/16"X7/16" (12.9200)		1										
140881	SCREW, #10-32X5/16" (12.9076)		1										
120385	WASHER, 1/4"X9/16" (12.9190)		1										
5168374	NUT (3.3090)		1										
3.4429 - WIRE, AIR SHUT-OFF CONTROL													
5155782	CLIP (3/16")		1										
181309	BOLT, 1/4"-28X1/2" (12.9001)		1										
103319	LOCKWASHER, 1/4" (12.9200)		1										
121902	NUT, 1/4"-28 (12.9120)		1										

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
		3.4001 - BLOWER ASSY.													
		NOTE: SEE ASSEMBLY BREAKDOWN FOR COMPONENTS OF SERVICED BLOWER ASSYS. AS INDICATED.													
		• FOR TYPE 298 USE TYPE 285•.													
		A 2 CYLINDER BASIC BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4420 EXCEPT 3.4180 AND3.4190.													
		A 3 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4140.													
		A 4 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 AND 3.4370 THRU 3.4420.													
		A 6 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 AND 3.4370 THRU 3.4420.													
		AN 8 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4163 EXCEPT ITEMS IN 3.4130 FOR 51411 88 ASSY.													
	5142384	= BLOWER ASSY., R.H. ROT., 6V53 ENG. (PAGE A1)			1										
	5106342	+ BLOWER ASSY., R.H. ROT., 6V53 ENG. (5107526) (PAGE A1)												1	
	5103683	+ BLOWER ASSY., 3-53 (PAGE A1) (5139305)										1			1
	5139306	BLOWER ASSY., 3-53 R.H. (PAGE A1)											1		
	5106297	+ BLOWER ASSY., 6V-53 (5107526)													
	5142882	+ BLOWER ASSY., 4-53 (LB ENG.) (5107531)	1						1		1				
	5142883	+ BLOWER ASSY., 4-53 (RD ENG.) (5107532)		1						1					
	5103401	+ BLOWER ASSY., 4-53 (5107531)													
	5103466	+ BLOWER ASSY., 4-53 (8922496)													
	5103402	+ BLOWER ASSY., 4-53 (5107532)													
4E	**5145874**	BLOWER ASSY., 8V53 TURBO., R.H. ROT. ENGINE				1									
4E	**5145800**	* BLOWER ASSY. (R.H. ROTATION ENGINE)					1								
4E	**5146876**	BLOWER ASSY., 8V53 R.H. ROT. ENG.						1							
4A,B	**9433110**	BOLT, 7/16"-14X6 11/16" (12.9001)		4					4	4	4	4			4
	5132923	BOLT, 6.68" L.	4		4									4	
	5133773	BOLT, 6.86" L. (NYLOCK)											2		
	5136323	BOLT, 7" L. (NYLOCK)											2		
4E	**5133004**	BOLT, 7.50" L. (12.9001)				4	4	4							
	5121463	BOLT, 8" L.	4	4											
	5121464	BOLT, 10 3/16" L.										2			2
	5116150	BOLT, 10 11/16"										4			4
4A,D,E	**5131913**	WASHER, 7/16"	4		4	4	4	4	4	4	4	4	4	4	4
		* NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE 5146876 ASSEMBLY.													
		+ NOT SERVICED, USE P/N IN PARENTHESES.													
		= NOT SERVICED; USE BASIC BLOWER ASSEMBLY 5107524 FOR COMMERCIAL ENGINES AND 5107526 FOR MILITARY ENGINES.													

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
	3.4003 - BLOWER KIT, INSTALLATION														
		A KIT INCLUDES ITEMS IN 3.4010, 3.4025, 3.4190, 3.4220, 3.4227 AND COPPER WASHER IN 3.4350 AND 3.4360. A 6 CYLINDER KIT ALSO INCLUDES ITEMS IN 2.7010, 2.7051, 2.7650, 2.7700 AND HOSES AND CLAMPS IN 2.7834.													
	5198043	BLOWER INSTALLATION KIT, 6V53			1									1	
	5198284	BLOWER INSTALLATION KIT, 8V53				1	1	1							
	5198042	BLOWER INSTALLATION KIT, 4-53	1	1							1				
	3.4005 - BLOWER KIT, REPAIR														
		TURBO AND NON-TURBO KITS CONSIST OF WASHERS IN 3.4080, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, 3.4100, 3.416 0, 3.4320 AND SPACER IN 3.4370. AN 8V53 KIT CONSISTS OF BEARINGS IN 3.4040 AND 3.4060, PILOT IN 3.4082 PLUS ITEMS IN 3.4090, 3.4160, 3.4320, 3.4360, SEAL IN 3.4130, (4) SLEEVES IN 3.4160 AND GASKET IN 4.8030. A NON-TURBO KIT, 5198679 INCLUDES (4) 5134351 SEALS (3.4160) IN PLACE OF 5132909 SEALS.													
	5198684	+ BLOWER REPAIR KIT, 2-3-4 AND 6V53 NON-TURBO.			AR										
	5198683	# BLOWER REPAIR KIT, 4-53 AND 6V53 TURBO	AR	AR					AR	AR	AR				
	5199708	BLOWER REPAIR KIT, 8V53 TURBO.				AR									
	5198679	# BLOWER REPAIR KIT, 8V53 NON-TURBO.					AR	AR							
		+ NOT SERVICED, USE 5198683.													
		# INCLUDES OVERSIZE SEAL AND SLEEVE IN 3.4160.													
	3.4010 - GASKET, BLOWER														
4D	**5121329**	GASKET, 6V53 (TO BLOCK			2								2	2	
	5132795	GASKET, 8V53 (FRONT TO BLOCK)				1	1	1							
	5133005	GASKET, 8V53 (REAR TO BLOCK)				1	1	1							

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
		3.4010 - GASKET, BLOWER (CONT'D)													
4B	**5116296**	GASKET, 4-53 (TO BLOCK)	1	1					1	1	1				
	5116295	GASKET, 3-53										1			1
	5127963	RING, SEAL 6V53 (TO BLOCK)			1								1	1	
4E	**5132994**	RING, SEAL 8V53 (TO BLOCK)				1	1	1							
		3.4020 - HOUSING, BLOWER													
4E	**5133549**	HOUSING, 8V53				1	1	1							
4B	**5119393**	HOUSING ASSY., 6V53 (INCLUDES PINS)			1								1	1	
4B	**5119392**	HOUSING ASSY., 4-53 (INCLUDES PINS)	1	1					1	1					
4B	**5103407**	HOUSING ASSY., 4-53 (INCLUDES PINS)									1				
4A	**5119391**	HOUSING ASSY., 3-53 (INCLUDES PINS)													1
4D	**141242**	PIN, 3/8"X7/8" DOWEL (12.9290)	4	4	4				4	4	4		4	4	4
		3.4025 - SCREEN, BLOWER													
3C	**5122610**	SCREEN, 2-53			1								1		
	5196054	SCREEN, 4-53	1	1					1	1					
3D	**5133192**	SCREEN, 8V53				1	1	1							
		3.4030 - ROTOR, BLOWER IMPELLER													
		AN 8V-53 ROTOR SET INCLUDES ONE (1) L.H. AND (1) R.H. HELIX ROTOR ASSY. A ROTOR ASSY. INCLUDES SHAFT AND PIN IN 3.4035 WHICH ARE NOT SOLD SEPARATELY FOR 2,3,4 AND 6V-53 ROTOR ASSE MBLIES, AND SLEEVE IN 3.4163.													
4D	**5134913**	ROTOR ASSY., 6V53			2										
4D	**5106298**	ROTOR ASSY., 6V53											2	2	
4B	**5139298**	ROTOR ASSY., 4-53	2	2					2	2					
	5139297	ROTOR ASSY., 3-53													2
4B	**5103436**	ROTOR ASSY., 4-53									2				
4E	**5145877**	ROTOR ASSY., 8V53 R.H. (INCL. PLUGS)				1									
4E	**5145876**	ROTOR ASSY., 8V53 L.H. (INCL. PLUGS)				1									
4E	**5145921**	ROTOR ASSY., 8V53 R.H. (INCL. PLUGS)					1	1							
4E	**5145920**	ROTOR ASSY., 8V53 L.H. (INCL. PLUGS)					1	1							
	5198298	ROTOR SET, 8V53				1	1	1							
	5197146	PLUG, CUP (BALANCE HOLE) (5.1030)				12	12	12							
		3.4033 - PLATE, BLOWER ROTOR THRUST													
	5134179	PLATE, 2,3,4,6V53	1	1	1				1	1	1		1	1	1
4A,B,D	**5116170**	SPACER	3	3	3				3	3	3		3	3	3
4A,B,D	**9409062**	BOLT, 1/4"-20X1" (12.9001)	3	3	3				3	3	3		3	3	3

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
		3.4035 - SHAFT, BLOWER ROTOR													
		A SHAFT ASSY. INCLUDES PLUGS IN 3.4037.													
	5134443	SHAFT ASSY. (L.H. HELIX ROTOR - FRONT) 8V53				1	1	1							
	5132148	SHAFT (R.H. HELIX ROTOR - 8V53 FRT.)				1	1	1							
	5132149	SHAFT (L.H., R.H. HELIX ROTORS - 8V53 REAR)				2	2	2							
	142522	PIN, 1/4"X1 3/4" GROOVE (12.9270)				4	4	4							
		3.4036 - WASHER, BLOWER ROTOR SHAFT THRUST													
4D	**5127077**	WASHER, 25/64" I.D.	2	2	2				2	2	2		2	2	2
4D	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)	2	2	2				2	2	2		2	2	2
		3.4037 - PLUG, BLOWER ROTOR SHAFT													
	5156280	PLUG, 5/8" CUP (3.3003)				1	1	1							
	5126789	PLUG, .696" EXPANSION (12.9330)				1	1	1							
		3.4040 - BEARING, BLOWER ROTOR FRONT													
4E	**7451768**	BEARING				2	2	2							
4E	**5145801**	SPACER, BEARING (3.4060)				2	1	1							
4E	**9409040**	BOLT, 3/8"-24X2" LOCK RIGHT ROTOR (1.7630)				1	1	1							
	5132147	WASHER (RIGHT ROTOR) (3.4030)				1	1	1							
	5133609	NUT, BEARING LOCK (LEFT ROTOR) (3.4050)				1	1	1							
		3.4050 - RETAINER, BLOWER ROTOR FRONT BEARING													
4E	**5132802**	RETAINER (OUTER RACE)				2		2							
4E	**9409073**	BOLT, 1/4"-20X5/8" LOCK (12.9001)				6		6							
		3.4060 - BEARING, BLOWER ROTOR REAR													
4E	**455506**	BEARING (3.4040)				2		2							
		3.4070 - RETAINER, BLOWER ROTOR REAR BEARING													
4E	**5132802**	RETAINER (3.4050)				2		2							
4E	**9409073**	BOLT, 1/4"20X5/8" LOCK (12.9001)				6		6							

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
		3.4080 - GEAR SET, BLOWER ROTOR													
4A,B,D	**5119194**	GEAR, 4, 6V53 (R.H. HELIX; 39 TEETH)	1	1	1				1	1	1		1		1
4A	**5119195**	GEAR, 3-53 (L.H. HELIX; 39 TEETH)													1
4A,B,D	**5128600**	GEAR, 4, 6V53 (L.H. HELIX; 39 TEETH)	1	1	1				1	1	1		1	1	
	5128599	GEAR, 6V53 (R.H. HELIX; 39 TEETH)												1	
4E	**5132735**	* GEAR, 8V53 (L.H. HELIX; 44 TEETH)				1	1	1							
4E	**5147095**	GEAR, 8V53 (R.H. HELIX; 44 TEETH)				1	1	1							
4A,B	**9409018**	BOLT, 5/16"-24X7/8" (12.9001)	1	1					1	1	1				2
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)												1	
	5121403	WASHER							2				2		2
4A,B	**5116316**	WASHER	1	1	1				1	1	1				
		* NOT SERVICED. FOR REPLACEMENT USE 5146518 GEAR PLUS (1) 5146517 HUB, (2) 5146519 PLATE, (6) 5146520 WASHE R, (3) 5124520 WASHER AND (2) 9409232 BOLT.													
		3.4082 - PILOT, BLOWER DRIVE CAM													
	5126236	PILOT, 4-53 AND 6V53	1	1	1				1		1		1	2	
	5132799	PILOT, 8V53				1	1	1							
4B	**9409018**	BOLT, 5/16"-24X7/8" LEFT GEAR (12.9001)		1	1				1	1	1				
4B	**9409023**	BOLT, 5/16"-24X1 3/4" LEFT GEAR (12.9001)			1								1		
	9420604	BOLT, 5/16"-24X1 3/4" 12 PT. (12.9005)			1								1	1	
	9409041	BOLT, 3/8"-24X2 1/2" HEX. LOCK (LEFT GEAR) (12.9005)				1	1	1							
	9421329	BOLT, 3/8"-24X2 1/2" 12 PT. (RIGHT GEAR) (12.9005)				1	1	1							
		3.4090 - SHIM, BLOWER ROTOR GEAR													
4A,B,D	**5116164**	SHIM (.002")	AR	AR	AR				AR	AR	AR		AR	AR	AR
4A,B,D	**5154226**	SHIM (.002")				AR	AR	AR							
4A,B,D	**5116165**	SHIM (.003")	AR	AR	AR				AR	AR	AR		AR	AR	AR
4A,B,D	**5116166**	SHIM (.004")	AR	AR	AR				AR	AR	AR	AR	AR	AR	AR
4A,B,D	**5116167**	SHIM (.005")	AR	AR	AR				AR	AR	AR	AR	AR	AR	AR
4A,B,D	**5154227**	SHIM (.005")				AR	AR	AR							
4A,B,D	**5154228**	SHIM (.010")				AR	AR	AR							
		3.4100 - SPACER, BLOWER ROTOR GEAR													
4A,B,D	**5116168**	SPACER	2	2	2				2	2	2		2	2	2

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3.4000 BLOWER AND DRIVE

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
		3.4115 - PLATE, BLOWER ROTOR GOVERNOR DRIVE													
4D	**5121336**	PLATE, 6V53												1	
4D	**9409219**	BOLT, 1/4"X3/4" (12.9001)												4	
		3.4130 - HUB, BLOWER ROTOR GEAR													
	5132801	= HUB (PLATE)					1								
4E	**5146517**	HUB, 8V53				1		1							
	5134486	# SEAL (PISTON RING TYPE)					1								
4E	**5146519**	PLATE (3.4135)				2		2							
4E	**9409232**	# BOLT, 5/16"-24X5/8" LOCK (12.9001)				6	4	6							
4E	**5146520**	WASHER				6		6							
4E	**5124520**	WASHER				3		3							
		= NOT SERVICED. FOR REPLACEMENT USE 5146517 HUB PLUS (1) 5146518 GEAR, (2) 5146519 PLATE, (6) 5146520 WASHE R, (3) 5124520 WASHER AND (2) 9409232 BOLTS.													
		# USED WITH 5132801 HUB.													
		3.4140 - PLATE, BLOWER HOUSING END													
4A	**5134914**	PLATE, FRONT 2,3 AND 4-53	2	2					2	2					1
4B	**5103452**	PLATE, FRONT AND REAR 4-53									2				
	5139299	PLATE, REAR 3-53													1
4D	**5134915**	PLATE, REAR 6V53			1								1	1	
4A	**5143636**	PLATE, FRONT 6V53			1								1	1	
4E	**5141189**	+ PLATE ASSY., REAR 8V53				1									
	5132982	+ PLATE ASSY., FRONT 8V53					1	1							
	5145927	+ PLATE ASSY., REAR 8V53					1	1							
4E	**5141198**	+ PLATE ASSY., FRONT 8V53				1									
4B	**141212**	PIN, 5/16"X5/16" DOWEL (12.9290)									4				
4E	**5150542**	PIN, 5/16"X2" DOWEL				4	4	4							
4D	**8924380**	PLUG, 1/8" PIPE (12.9550)	2	2		2	2	2	2	2			2	2	2
4B	**5121182**	PLUG, 1/4" PIPE (12.4015)									2				
	5109389	STRAINER, OIL PASSAGE				2	2	2							
	5127477	SLEEVE (BOLT GUIDE)				2	2	2							
	138244	BOLT, 3/8"-16X1 1/2" SOC. HD. (12.9027)				2	2	2							
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)				2	2	2							
	103321	LOCKWASHER, 3/8" (12.9200)				2	2	2							
		+ A PLATE ASSY. INCLUDES PINS, PLUG AND STRAINER IN 3.4140 PLUS SEALS IN 3.4160.													
		3.4160 - SEAL, BLOWER HOUSING END PLATE													
4D	**5199367**	SEAL (USE WITH 5199368 SLEEVE)			AR										
4E	**5141419**	SEAL, 8V53				4									
4D	**5142266**	* SEAL, 4-53 AND 6V53	4	4	4				4		4		4	4	4

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
		3.4160 - SEAL, BLOWER HOUSING END PLATE (CONT'D)													
4D	5199366	SEAL (USE WITH 5199368 SLEEVE)	AR	AR									AR		
4E	5132909	SEAL, 8V53 * USE WITH COUNTERBORED END PLATES.					4	4							
		3.4163 - SPACER, BLOWER ROTOR SHAFT OIL SEAL													
	5199368	SPACER (USED WITH 5199366 & 5199367 SEALS) (OVERSIZE)	AR	AR	AR										
	5134444	SLEEVE, REAR 8V53				4									
		3.4180 - COVER, BLOWER HOUSING END PLATE													
4A,B,D	5119429	COVER, (FRONT) 4-53	1	1					1	1	1	1	1	1	1
4B	5119154	COVER, REAR 4-53	1	1					1	1	1				
4A,B,D	5119394	PLATE, REINFORCEMENT (LARGE)	4	4					4	4	4		2	2	2
4A,B,D	5119395	PLATE, REINFORCEMENT (SMALL)	4	4					4	4	4		2	2	2
4B,D	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	12	12	6				12	12	12		6	6	
	103341	WASHER, 3/8" (12.9190)									2				
	103321	LOCKWASHER, 3/8" (12.9200)	6	6											
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER													
4A,B,D	5119433	GASKET, 2-3-4 AND 6V53	2	2	1				2	2	2	2	1	1	2
	5119438	GASKET, 6V53 (2.7010)			1								1	1	
		3.4220 - SEAL, BLOWER DRIVE COVER													
4B	5180445	SEAL, 4-53	1	1					1	1	1				
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING													
4B	451220	CLAMP, 2 1/2" DIA. HOSE (12.9660)	1	1					1	1	1				
		3.4300 - GEAR, BLOWER DRIVE													
4E	5132846	GEAR, 8V53 (L.H. HELIX; 45 TEETH)				1									
4C	5116378	GEAR, 4, 6V53 (R.H. HELIX; 39 TEETH)	1	1	1				1	1	1		1	1	
4C	5116377	GEAR, 4, 6V53 (L.H. HELIX; 39 TEETH)	1	1	1				1	1					
4E	5132778	GEAR, 8V53 (L.H. HELIX; 44 TEETH)					1	1							
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1				1	1	1		1	1	

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IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
		3.4310 - HUB, BLOWER DRIVE GEAR													
4D	**5116418**	HUB, 6V53 (SHAFT)			1								1		
4E	**5133831**	HUB, 8V53 (SHAFT)				1	1	1							
4C	**5119284**	HUB, 4-53 (SHAFT)	1	1					1	1	1				
4D	**5103473**	HUB, 6V53 (SHAFT)												1	
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST													
4F	**5119285**	WASHER	1	1	1				1	1	1		1		
4E	**5133258**	WASHER				1	1	1							
4E	**5117700**	WASHER (3.4302)												2	
4F	**9411765**	RING (RETAINER)	1	1	1				1	1	1		1		
4E	**9414847**	RING (RETAINER)				1	1	1							
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB													
4C	**5119175**	SUPPORT, 4-53	1	1					1	1	1				
	5129168	SUPPORT, 6V53											1		
4F	**5138087**	+ SUPPORT, 6V53			1										
	8921297	SUPPORT ASSY., 6V53 (INCLUDES BUSHINGS IN 3.4350)												1	
	5111423	BUSHING (1.7015)												2	
4F	**5121343**	COVER, 6V53			1								1		
	5164294	SPACER (7.1581)			4								4		
4E	**5133013**	HOUSING, 8V53 (SUPPORT)				1	1	1							
	5145009	PLUG, 1/8" PIPE (12.9550)			2	1	1	1	1	1					
4C	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							2	2	2				
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			4	6	6	6							
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)												2	
	455373	BOLT, 3/8"-16X4 1/2" (12.9027)				1	1	1			**				
	9418964	BOLT, 3/8"-16X5" (12.9001)			6								6		
4C	**181360**	BOLT, 3/8"-24X3/4" (12.9001)	3	3							3				
	5152148	WASHER, 3/8" (2.4050)	3	3	2						3		2	2	
4C	**103341**	WASHER, 3/8" (12.9190)	2	2	4	6	6	6			2				
4C,D	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2		6	6	6			2				
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT													
	5116336	GASKET, 4-53 (2.7010)							1		1				
4D	**5121344**	GASKET (COVER TO SUPPORT) 6V53			1								1		
4E	**5132873**	GASKET (SUPPORT TO CYLINDER BLOCK END PLATE) 8V53				1	1	1							
4E	**5132765**	GASKET (SUPPORT TO BLOWER END PLATE) 8V53 (3.4190)				1	1	1							
	5103474	GASKET (SUPPORT TO CYLINDER BLOCK END PLATE) 6V53			1								1	1	
4C	**5121334**	GASKET, 4-53 (1.5010)	1	1											

+ OBSOLETE.

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 138	139	146	177	178	183	234	235	236	278	282	285	288
		3.4370 - COUPLING, BLOWER DRIVE													
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4400.													
4D	**5119411**	+ COUPLING ASSY., 4-53-6V53	1	1					1	1	1			1	
4E	**5133269**	COUPLING ASSY., 8V53				1	1	1							
	8922969	COUPLING ASSY., 4 & 6V53											1		
	5126237	SPACER (3.4100)	1	1					1	1				1	
	9409221	BOLT, 1/4"-28X1 5/8" (12.9001)	4	4					4	4	4			4	
	9409228	BOLT, 1/4"-28X2 1/4" (12.9001)				2	2	2							
	178474	WASHER, 1/4" (12.9190)	2	2	2										
		+ NOT SERVICED, USE 8922969.													
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING													
4B,D,E	**5119412**	SUPPORT, 4-53, 6V AND 8V53	1	1	1	2	2	2	1	1	1	1	1	1	
		3.4390 - CAM, BLOWER DRIVE COUPLING													
4B,D	**5180323**	+ CAM, 4-53, 6V53	1	1	1				1	1	1	1	1	1	
4E	**5133302**	CAM, 8V53				1	1	1							
		+ NOT SERVICED, USE 8922970 AND 8922967.													
		3.4400 - SPRING, BLOWER DRIVE COUPLING													
4B,D,E	**5196614**	* SPRING PACK (INCLUDES SPRINGS AND SEATS) 4-53, 6 AND 8V53	1	1	1	1	1	1	1	1	1	1	1	1	
		* NOT SERVICED, USE (2) 5180321 SEATS AND (30) 5180322 SPRINGS.													
		3.4420 - RETAINER, BLOWER DRIVE COUPLING													
	5119466	RETAINER, 4-53, 6V53	1	1							1		1	1	

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3.4000 BLOWER AND DRIVE

	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	305	308	315	316	317	318	319	320	321	322
	3.4001 - BLOWER ASSY.												
		A 3 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4140. A 4 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4160 AND 3.4370 THRU 3.4420. A 6 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4160 AND 3.4370 THRU 3.4420.											
	5103597	+ BLOWER ASSY., 6V-53 (5107524)	1										
4A	**5103684**	BLOWER ASSY., 3-53		1									
4D	**5106342**	BLOWER ASSY., 6V-53			1								
4A	**5107536**	BLOWER ASSY., 3-53 (LH)				1							
4A	**5107535**	BLOWER ASSY., 3-53 (RH)					1						
4B	**5107531**	BLOWER ASSY., 4-53 (A&B) (LH)						1					
4B	**5107532**	BLOWER ASSY., 4-53 (C&D)							1	1			
4D	**5107524**	BLOWER ASSY., 6V-53									1		
	5107526	BLOWER ASSY., 6V-53 (TURBO)										1	1
	5132923	BOLT, 7/16"-14X6.68" (WITH NYLON INSERT)	4		2						2	4	2
	5131913	WASHER, 7/16"	4	4	4	4	4	4	4	4	4	4	4
	9433110	BOLT, 7/16-14X6 11/16" (12.9001)		4		4	4	4	4	4			
	5136323	BOLT, 7/16"-14X7" (WITH NYLON INSERT)			2						2		2
	5121464	BOLT, 3/8"-24X10 3/16" (WITH NYLON INSERT)		2		2	2						
	5116150	BOLT, 3/8"-16X10 11/16		4		4	4						
		+ NOT SERVICED, USE P/N IN PARENTHESES.											
	3.4003 - BLOWER KIT, INSTALLATION												
		A KIT INCLUDES ITEMS IN 3.4010, 3.4025, 3.4190, 3.4220, 3.4227 AND COPPER WASHER IN 3.4350. A 6 CYLINDER KIT ALSO INCLUDES ITEMS IN 2.7010, 2.7051, 2.7650, 2.7700 AND HOSE AND CLAMPS IN 2.7834.											
	5198041	BLOWER INSTALLATION KIT, 3-53		AR		AR	AR						
	5198042	BLOWER INSTALLATION KIT, 4-53						AR	AR	AR			
	5198043	BLOWER INSTALLATION KIT, 6V-53	AR		AR						AR	AR	AR
	3.4005 - BLOWER KIT, REPAIR												
		TURBO AND NON-TURBO KITS CONSIST OF WASHERS IN 3.4080. PILOT IN 3.4082, PLUS ITEMS IN 3.4090, 3.4100, 3.416 0, 3.4320 AND SPACER IN 3.4370.											
	5198683	BLOWER REPAIR KIT, 3, 4, 6V-53 (TURBO AND NON-TURBO)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	305	308	315	316	317	318	319	320	321	322
		3.4010 - GASKET, BLOWER											
4D	**5121329**	GASKET, 6V-53 (TO BLOCK)	2		2						2	2	2
4A	**5116295**	GASKET, 3-53 (TO BLOCK)		1		1	1						
4B	**5116296**	GASKET, 4-53 (TO BLOCK)						1	1	1			
	5127963	RING, SEAL (TO BLOCK)	1		1						1	1	1
4D	**5119438**	GASKET, 6V-53	1		1						1	1	1
		3.4020 - HOUSING, BLOWER											
4D	**5119393**	HOUSING ASSY., 6V-53 (INCLUDES PINS)	1		1						1	1	1
4A	**5119391**	HOUSING ASSY., 3-53 (INCLUDES PINS)		1		1	1						
4B	**5119392**	HOUSING ASSY., 4-53 (INCLUDES PINS)						1	1	1			
	141242	PIN, 3/8"X7/8" DOWEL (12.9290)	4	4	4	4	4	4	4	4	4	4	4
		3.4025 - SCREEN, BLOWER											
	5122610	SCREEN, 6V-53	1		1						1	1	1
		3.4030 - ROTOR, BLOWER IMPELLER											
4D	**5134913**	ROTOR ASSY., 6V-53	2								2		
4A	**5139297**	ROTOR ASSY., 3-53		2		2	2						
4B	**5139298**	ROTOR ASSY., 4-53						2	2	2			
4D	**5106298**	ROTOR ASSY., 6V-53T			2							2	2
		3.4033 - PLATE, BLOWER ROTOR THRUST											
4B,D	**5134179**	PLATE, 4, 6V-53	1	1	1	1	1	1	1	1	1	1	1
4B,D	**5116170**	SPACER	3	3	3	3	3	3	3	3	3	3	3
4B,D	**9409062**	BOLT, 1/4"-20X1" (12.9001)	3	3	3	3	3	3	3	3	3	3	3
		3.4036 - WASHER, BLOWER ROTOR SHAFT THRUST											
4B,D	**5127077**	WASHER, 25/64" I.D.	2	2	2	2	2	2	2	2	2	2	2
4B,D	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
		3.4080 - GEAR SET, BLOWER ROTOR											
4D	**5128599**	GEAR, 6V-53 (R.H. HELIX; 39 TEETH)	1		1								
4D	**5128600**	GEAR, 6V-53 (L.H. HELIX; 39 TEETH)	1		1								
4B	**5119194**	GEAR, 3-53 (R.H. HELIX; 39 TEETH)		1									
4B	**5119195**	GEAR, 3-53 (L.H. HELIX; 39 TEETH)		1									
4B	**5107081**	GEAR, 4-53 (R.H. HELIX; 45 TEETH)				1	1	1	1	1			
4B	**5107082**	GEAR, 4-53 (L.H. HELIX; 45 TEETH)				1	1						
4D	**5107083**	GEAR, 6V-53 (R.H. HELIX; 45 TEETH)									1	1	1
4B,D	**5107084**	GEAR, 6V-53 (L.H. HELIX; 45 TEETH)						1	1	1	1	1	1
	9409018	BOLT, 5/16"-24X7/8" (12.9001)		2		2	2	1	1	1			
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)	1		1						1	1	1
	9420604	BOLT, 5/16"-24X1 3/4" (12.9005)	1		1						1	1	1
	5116316	WASHER, 1-24" DIA.						1	1	1			
	5121403	WASHER, 21/64"X1"X3/16"		2		2	2						

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	305	308	315	316	317	318	319	320	321	322
		3.4082 - PILOT, BLOWER DRIVE CAM											
4B,D	5126236	PILOT, 4, 6V-53	2		2			2	1	1	2	2	2
4B,D	9409018	BOLT, 5/16"-24X7/8" (12.9001)						1	1	1			
		3.4090 - SHIM, BLOWER ROTOR GEAR											
4B,D	5116164	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	5116165	SHIM (.003")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	5116166	SHIM (.004")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	5116167	SHIM (.005")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.4100 - SPACER, BLOWER ROTOR GEAR											
4B,C	5116168	SPACER	2	2	2	2	2	2	2	2	2	2	2
		3.4115 - PLATE, BLOWER ROTOR GOVERNOR DRIVE											
	5121336	PLATE	1		1							1	1
	9409219	BOLT, 1/4"-28X3/4" (12.9001)	4		4							4	4
		3.4140 - PLATE, BLOWER HOUSING END											
4D	5143636	PLATE, 6V-53 FRONT	1		1						1	1	1
4D	5134915	PLATE, 6V-53 REAR	1		1						1	1	1
4A	5134914	PLATE, 3-53 FRONT AND REAR		1		1	1	2	2	2			
4A	5139299	PLATE, 3-53 REAR		1		1	1						
	8924380	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2
	117297	SCREW, 5/16"-18-1 3/4" (12.9010)		4		4	4						
		3.4160 - SEAL, BLOWER HOUSING END PLATE											
4A,D	5142266	SEAL	4	4	4	4	4	4	4	4	4	4	4
		3.4180 - COVER, BLOWER HOUSING END PLATE											
4A,B,D	5119429	COVER, 3, 4, 6V-53 (FRONT)	1	1	1	1	1	1	1	1	1	1	1
4B	5119154	COVER, 4-53 (REAR)						1	1	1			
	5119394	PLATE, REINFORCEMENT (LARGE)	2	2	2	2	2	4	4	4	2	2	2
	5119395	PLATE, REINFORCEMENT (SMALL)	2	2	2	2	2	4	4	4	2	2	2
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	6		6			12	12	12	6	6	6
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER											
4A,B,D	5119433	GASKET	1	2	1	2	2	2	2	2	1	1	1
		3.4220 - SEAL, BLOWER DRIVE COVER											
	5180445	SEAL						1	1	1			

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	305	308	315	316	317	318	319	320	321	322
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING											
	451220	CLAMP, 2 1/2" HOSE (12.9660)						1	1	1			
		3.4300 - GEAR, BLOWER DRIVE											
4C	**5116377**	GEAR, 6V-53 (L.H. HELIX; 39 TEETH)	1										
4C	**5116378**	GEAR, 6V-53 (R.H. HELIX; 39 TEETH)			1								
4C	**5107078**	GEAR, 4-53 (L.H. HELIX; 45 TEETH)						1		1			
4C	**5107079**	GEAR, 4-53 (R.H. HELIX; 45 TEETH)							1		1	1	1
	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1		1			1	1	1	1	1	1
		3.4310 - HUB, BLOWER DRIVE GEAR											
4C	**5116418**	HUB (SHAFT) 6V-53	1								1		1
4C	**5119284**	HUB (SHAFT) 4-53						1	1	1			
4C	**5103473**	HUB (SHAFT) 6V-53			1							1	
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST											
4C	**5119285**	WASHER	1					1	1	1	1		1
4C	**5117700**	WASHER (3.4302)			2							2	
4C	**9411765**	RING (RETAINER)	1					1	1	1	1		1
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB											
4C	**5134680**	SUPPORT, 6V-53	1										
4C	**5119175**	SUPPORT, 4-53						1	1	1			
4C	**5129168**	SUPPORT, 6V-53									1		1
4C	**8921297**	SUPPORT, 6V-53 (INCLUDES BUSHINGS IN 3.4350)			1							1	
	5111423	BUSHING (1.7015)			2							2	
	5121343	COVER, 6V-53	1								1		1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						2	2	2			
4C	**114926**	BOLT, 3/8"-16X4 1/4" (12.9001)			2							2	
4C	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)									6		6
4C	**9418964**	BOLT, 3/8"-16X5" (12.9001)	6					3	3	3			
4C	**181360**	BOLT, 3/8"-24X3/4" (12.9001)						2	2	2			
4C	**103341**	WASHER, 3/8" (12.9190)									4		4
4C	**5164294**	WASHER, 3/8" I.D. X 1/8" THK. (7.1581)	4										
4C	**5152148**	WASHER, 3/8" COPPER (2.4050)	2		2			3	3	3	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)						2	2	2			

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	305	308	315	316	317	318	319	320	321	322
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT											
4C	**5121344**	GASKET	1								1		1
4C	**5116336**	GASKET						1	1	1			
4C	**5103474**	GASKET	1		1						1	1	1
		3.4370 - COUPLING, BLOWER DRIVE											
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.											
4B,D	**8922969**	COUPLING ASSY., 4, 6V-53	1		1			1	1	1	1	1	1
	5126237	SPACER (3.4100)	1		1			1	1	1	1	1	1
	9409221	BOLT, 1/4"-28X1 5/8" (12.9001)	4		4			4	4	4	4	4	4
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING											
4B,D	**5119412**	SUPPORT	1		1			1	1	1	1	1	1
		3.4390 - CAM, BLOWER DRIVE COUPLING											
4B,D	**5180323**	+ CAM + NOT SERVICED, USE 8922970 AND 8922967.	1		1			1	1	1	1	1	1
		3.4400 - SPRING, BLOWER DRIVE COUPLING											
B,D	**5180322**	SPRING	30		30			30	30	30	30	30	30
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING											
	5180321	SEAT	2		2			2	2	2	2	2	2
		3.4420 - RETAINER, BLOWER DRIVE COUPLING											
4B,D	**5119466**	RETAINER	1		1			1	1	1	1	1	1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 324	325	326	327	328	329	336	337	338	344	345	346
		3.4001 - BLOWER ASSY.												
		A 3 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4140. A 4 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4160 AND 3.4370 THRU 3.4420. A 6 CYLINDER BLOWER ASSY. INCLUDES ITEMS IN 3.4020 AND 3.4030 THRU 3.4160 AND 3.4370 THRU 3.4420.												
4A	**5107535**	BLOWER ASSY., 3-53 (RH)	1											
4D	**5107524**	BLOWER ASSY., 6V-53		1	1	1		1						
4A	**5107536**	BLOWER ASSY., 3-53 (LH)					1							
4B	**8922311**	BLOWER ASSY., 4-53 (R.H.) (TURBO)							1					
4D	**8922310**	BLOWER ASSY., 6V-53 (TURBO)								1	1			
4A	**8922275**	BLOWER ASSY., 3-53 (RH) (TURBO)										1		
4B	**8922281**	BLOWER ASSY., 3-53 (RH) (TURBO)											1	
4D	**5103597**	+ BLOWER ASSY., 6V-53 (5107524)												1
	5116150	BOLT, 3/8"-16X10 11/16	4				4					4	4	
	5121464	BOLT, 3/8"-24X10 3/16" (WITH NYLON INSERT)	2				2					2	2	
	5132923	BOLT, 7/16"-14X6.68" (WITH NYLON INSERT)		4	4	4		4		4	4			4
	9433110	BOLT, 7/16-14X6 11/16" (12.9001)	4				4		4			4	4	
	5131913	WASHER, 7/16"	4	4	4	4	4	4	4	4	4	4	4	4
		+ NOT SERVICED, USE P/N IN PARENTHESES.												
		3.4003 - BLOWER KIT, INSTALLATION												
		A KIT INCLUDES ITEMS IN 3.4010, 3.4025, 3.4190, 3.4220, 3.4227 AND COPPER WASHER IN 3.4350. A 6 CYLINDER KIT INCLUDES ITEMS IN 2.7010, 2.7051, 2.7650, 2.7700 AND HOSE AND CLAMPS IN 2.7834 AND GASKET IN 3.4190.												
	5198041	BLOWER INSTALLATION KIT,3-53	AR				AR					AR	AR	
	5198043	BLOWER INSTALLATION KIT, 6V-53		AR	AR	AR		AR		AR	AR			AR
	5198042	BLOWER INSTALLATION KIT, 4-53							AR					

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3.4000 BLOWER

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 324	325	326	327	328	329	336	337	338	344	345	346
		3.4005 - BLOWER KIT, REPAIR												
		TURBO AND NON-TURBO KITS CONSIST OF WASHERS IN 3.4080, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, 3.4100, 3.4160, 3.4320 AND SPACER IN 3.4370.												
	5198683	BLOWER REPAIR KIT, 3. 4, 6V-53 (TURBO AND NON-TURBO)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.4010 - GASKET, BLOWER												
	5104313	GASKET, 6V-53 (TO BLOCK)								2	2			
	5121329	GASKET, 6V-53 (TO BLOCK)		2	2	2		2						2
	5116295	GASKET, 3-53 (TO BLOCK)	1				1					1	1	
	5116296	GASKET, 4-53 (TO BLOCK)							1					
	5127963	RING, SEAL (TO BLOCK)		1	1	1		1		1	1			1
	5119438	GASKET, 6V-53		1	1	1		1		1	1			1
		3.4020 - HOUSING, BLOWER												
	5119391	HOUSING ASSY., 3-53 (INCLUDES PINS)	1				1					1	1	
	5119393	HOUSING ASSY., 6V-53 (INCLUDES PINS)		1	1	1		1						1
	5103407	HOUSING ASSY., 4-53 (INCLUDES PINS)							1					
	5104523	HOUSING ASSY., 6V-53 (INCLUDES PINS)								1	1			
	141242	PIN, 3/8"X7/8" DOWEL (12.9290)	4	4	4	4	4	4	4	4	4	4	4	4
		3.4025 - SCREEN, BLOWER												
	5196053	SCREEN, 3 CYL.	1											
	5122610	SCREEN, 6V-53		1	1	1		1						1
		3.4030 - ROTOR, BLOWER												
4A	5139297	ROTOR ASSY., 3-53	2	2	2	2	2	2						
4B	5103436	ROTOR ASSY., 4-53T							2					
4D	5104526	ROTOR ASSY., 6V-53T								2	2			
4A	8922274	ROTOR ASSY., 3-53T										2	2	
4D	5134913	ROTOR ASSY., 6V-53												2
		3.4033 - PLATE, BLOWER ROTOR THRUST												
4B,D	5134179	PLATE, 3, 4, 6V-53	1	1	1	1	1	1	1	1	1	1	1	1
4B,D	5116170	SPACER	3	3	3	3	3	3	3	3	3	3	3	3
4B,D	9409062	BOLT, 1/4"-20X1" (12.9001)	3	3	3	3	3	3	3	3	3	3	3	3
		3.4036 - WASHER, BLOWER ROTOR SHAFT THRUST												
	5127077	WASHER, 25/64" I.D.	2	2	2	2	2	2	2	2	2	2	2	2
	9409034	BOLT, 3/8"-24X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 324	325	326	327	328	329	336	337	338	344	345	346
		3.4080 - GEAR SET, BLOWER ROTOR												
4B	**5107081**	GEAR, 4-53 (R.H. HELIX; 45 TEETH)	1				1		1				1	
4B	**5107082**	GEAR, 4-53 (L.H. HELIX; 45 TEETH)	1				1						1	
4D	**5107083**	GEAR, 6V-53 (R.H. HELIX; 45 TEETH)		1	1	1		1		1	1			
4B,D	**5107084**	GEAR, 4, 6V-53 (L.H. HELIX; 45 TEETH)		1	1	1		1	1	1	1			
4A	**5119194**	GEAR, 3-53 (R.H. HELIX; 39 TEETH)										1		
4A	**5119195**	GEAR, 3-53 (L.H. HELIX; 39 TEETH)										1		
4D	**5128599**	GEAR, 6V-53 (R.H. HELIX; 39 TEETH)												1
4D	**5128600**	GEAR, 6V-53 (L.H. HELIX; 39 TEETH)												1
	9409018	BOLT, 5/16"-24X7/8" (12.9001)	2				2		1			2	2	
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)		1	1	1		1		1	1			1
	9420604	BOLT, 5/8"-24X1 3/4" (12.9005)		1	1	1		1		1	1			1
	5116316	WASHER, 1-24" DIA.							1					
	5121403	WASHER, 21/64"X1"X3/16"	2				2					2	2	
		3.4082 - PILOT, BLOWER DRIVE CAM												
4B,D	**5126236**	PILOT, 4, 6V-53		2	2	2		2	1	2	2			2
4B,D	**9409018**	*BOLT, 5/16"-24X7/8" (12.9001)*						1						
		3.4090 - SHIM, BLOWER ROTOR GEAR												
4B,D	**5116164**	SHIM (.002")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	**5116165**	SHIM (.003")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	**5116166**	SHIM (.004")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	**5116167**	SHIM (.005")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.4100 - SPACER, BLOWER ROTOR GEAR												
4B,D	**5116168**	SPACER	2	2	2	2	2	2	2	2	2	2	2	2
		3.4115 - PLATE, BLOWER ROTOR GOVERNOR DRIVE												
	5121336	PLATE		1	1	1		1		1	1			1
	9409219	BOLT, 1/4"-28X3/4" (12.9001)		4	4	4		4		4	4			4
		3.4140 - PLATE, BLOWER HOUSING END												
4A	**5134914**	PLATE, 3-53 FRONT AND REAR	1				1					1	1	
4A	**5139299**	PLATE, 3-53 REAR	1				1					1	1	
4D	**5143636**	PLATE, 6V-53 FRONT		1	1	1		1						1
4D	**5134915**	PLATE, 6V-53 REAR		1	1	1		1						1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 324	325	326	327	328	329	336	337	338	344	345	346
		3.4140 - PLATE, BLOWER HOUSING END (CONT'D)												
	5103452	PLATE, 4-53T FRONT AND REAR							2					
	5104312	PLATE, 6V-53T REAR								1	1			
4D	**5104301**	PLATE, 6V-53T FRONT								1	1			
	8924380	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2		2	2	2	2	2
	5121182	PLUG, 1/4" PIPE (2.4015)							2					
	141212	PIN, 5/16" (12.9290)							4	4	4			
	117297	SCREW, 5/16"-18-1 3/4" (12.9010)	4				4					4	4	
		3.4160 - SEAL, BLOWER HOUSING END PLATE												
4A,D	**5142266**	SEAL	4	4	4	4	4	4	4	4	4	4	4	4
		3.4180 - COVER, BLOWER HOUSING END PLATE												
4A,B,C	**5119429**	COVER, 3, 4, 6V-53 (FRONT)	1	1	1	1	1	1	1	1	1	1	1	1
4B	**5119154**	COVER, 4-53 (REAR)							1					
	5119394	PLATE, REINFORCEMENT (LARGE)	2	2	2	2	2	2	4	2	2	2	2	2
	5119395	PLATE, REINFORCEMENT (SMALL)	2	2	2	2	2	2	4	2	2	2	2	2
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		6	6	6		6						6
	179851	BOLT, 3/8"-16X3" (12.9001)							12					
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)								6	6			
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER												
4A,B,D	**5119433**	GASKET	2	1	1	1	2	1	2	1	1	2	2	1
		3.4220 - SEAL, BLOWER DRIVE COVER												
	5180445	SEAL							1					
		3.4227 - CLAMP, BLOWER DRIVE COVER PACKING												
	451220	CLAMP, 2 1/2" HOSE (12.9660)							1					
		3.4300 - GEAR, BLOWER DRIVE												
4C	**5107079**	GEAR, 4-53 (R.H. HELIX; 45 TEETH)		1		1			1	1	1			
4C	**5107078**	GEAR, 4-53 (L.H. HELIX; 45 TEETH)			1									
4C	**124546**	KEY, 5/32"X5/8" WOODRUFF (12.9350)		1	1	1			1	1	1			1
		3.4310 - HUB, BLOWER DRIVE GEAR												
4C	**5116418**	HUB (SHAFT) 6V-53		1	1	1					1			1
4C	**5119284**	HUB (SHAFT) 4-53							1					
4C	**5103473**	HUB (SHAFT) 6V-53								1				

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 324	325	326	327	328	329	336	337	338	344	345	346
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4C	**5119285**	WASHER		1	1	1			1		1			1
4C	**5117700**	WASHER (3.4302)								2				
4C	**9411765**	RING (RETAINER)		1	1	1			1		1			1
		3.4350 - *SUPPORT, BLOWER DRIVE GEAR HUB*												
4C	**5129168**	SUPPORT, 6V-53		1			1							
4C	**5134680**	SUPPORT, 6V-53			1	1								1
4C	**5119175**	SUPPORT, 4-53							1					
4C	**8921267**	SUPPORT, 6V-53 (INCLUDES BUSHINGS IN 3.4350)								1				
	5111423	BUSHING (1.7015)								1				
	5121343	COVER, 6V-53		1	1	1					1			1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							2					
4C	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)								2				
4C	**9418964**	BOLT, 3/8"-16X5" (12.9001)		6	6	6					6			6
4C	**181360**	BOLT, 3/8"-24X3/4" (12.9001)							3					
4C	**103341**	WASHER, 3/8" (12.9190)							2					
4C	**5164294**	WASHER, 3/8" I.D. X 1/8" THK. (7.1581)		4	4	4					4			4
4C	**5152148**	WASHER, 3/8" COPPER (2.4050)		2	2	2			3		2			2
	103321	LOCKWASHER, 3/8" (12.9200)							2	2				
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4C	**5121344**	GASKET		1	1	1					1			1
4C	**5116336**	GASKET			1				1					
4C	**5103474**	GASKET		1		1				1	1			1
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.												
4B,D	**5119411**	+ COUPLING ASSY., 4, 6V53						1	1	1	1			1
	8922969	COUPLING ASSY., 4, 6V53		1	1	1								
	5126237	SPACER (3.4100)		1	1	1		1	1	1	1			1
	9409221	BOLT, 1/4"-28X1 5/8" (12.9001)		4	4	4		4	4	4	4			4
		+ NOT SERVICED, USE 8922969.												
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4B,D	**5119412**	SUPPORT		1	1	1			1	1	1			1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 324	325	326	327	328	329	336	337	338	344	345	346
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4B,D	**5180323**	+ CAM + NOT SERVICED, USE 8922970 AND 8922967.		1	1	1			1	1	1			1
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4B,D	**5180322**	SPRING		30	30	30			30	30	30			30
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING												
	5180321	SEAT		2	2	2			2	2	2			2
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4B,D	**5119466**	RETAINER		1	1	1			1	1	1			1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	372	374	391	397	398	434	436	437	438	441	445
		3.4001 - BLOWER ASSY.												
		REFER TO ASSEMBLY BREAKDOWN PAGE INDICATED.												
4D	**5107524**	BLOWER ASSY., 6V-53 (A1)	1	1	1								1	
4D	**5142384**	+ BLOWER ASSY., 6V-53 (A1)				1								
4A	**5139305**	BLOWER ASSY., 3-53 (A1)					1							
4B	**5107532**	BLOWER ASSY., 4-53 (B1)						1						
4D	**5107526**	BLOWER ASSY., 6V-53 (A1)							1					
	8924571	BLOWER ASSY., MINI-BYPASS 3-53 (B1)								1				
	8924570	BLOWER ASSY., MINI-BYPASS 4-53 (B1)									1			
	8924568	BLOWER ASSY., MINI-BYPASS 6V-53 (B1)										1		1
	5132923	BOLT, 7/16"-14X6.68" (NYLON PATH)	4	4	4	4	4	4	4	4	4	4	4	4
	5131913	WASHER, 7/16"	4	4	4	4	4	4	4	4	4	4	4	4
		+ NOT SERVICED, USE BASIC BLOWER ASSEMBLY 5107524 FOR COMMERCIAL ENGINES AND 5107526 FOR MILITARY ENGINES.												
		3.4003 - BLOWER KIT, INSTALLATION												
		A KIT INCLUDES ITEMS IN 3.4010, 3.4025, 3.4190, 3.4220, 3.4227 AND COPPER WASHER IN 3.4350. A 6 CYLINDER KIT INCLUDES ITEMS IN 2.7010, 2.7051, 2.7650, 2.7700 AND HOSE AND CLAMPS IN 2.7834 AND GASKET IN 3.4190.												
	5198043	BLOWER INSTALLATION KIT, 6V-53	AR	AR	AR	AR			AR			AR	AR	AR
	5198041	BLOWER INSTALLATION KIT, 3-53					AR							
	5198042	BLOWER INSTALLATION KIT, 4-53						AR						
	NPN	BLOWER INSTALLATION KIT, 3-53								AR				
	NPN	BLOWER INSTALLATION KIT, 4-53									AR			
		3.4005 - BLOWER KIT, REPAIR												
		TURBO AND NON-TURBO KITS CONSIST OF WASHERS IN 3.4080, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, 3.4100, 3.416 0, 3.4320 AND SPACER IN 3.4370.												
	5198683	BLOWER REPAIR KIT, 3, 4, 6V-53 (TURBO AND NON-TURBO)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	372	374	391	397	398	434	436	437	438	441	445
		3.4010 - GASKET, BLOWER												
	5121329	GASKET, 6V-53 (TO BLOCK)	2	2	2	2			2					
	5119438	GASKET, 6V-53	1	1	1	1			1			1	1	1
	5116295	GASKET, 3-53					1			1				
	5116296	GASKET, 4-53						1			1			
	8923566	GASKET, 6V-53										2	2	2
	5127963	RING, SEAL (TO BLOCK)	1	1	1	1			1			1	1	
		3.4025 - SCREEN, BLOWER												
	5122610	SCREEN, 6V-53	1	1	1	1			1				1	
		3.4100 - SPACER, BLOWER ROTOR GEAR												
4D	5126237	SPACER	1	1	1	1			1		1	1	1	1
		3.4115 - PLATE, BLOWER ROTOR GOVERNOR DRIVE												
	5121336	PLATE	1	1	1	1			1			1	1	1
	9409219	BOLT, 1/4"-28X3/4" (12.9001)	4	4	4	4			4			4	4	4
		3.4180 - COVER, BLOWER HOUSING END PLATE												
4C	5119429	COVER, 6V-53 (FRONT)	1	1	1	1	1		1		1	1	1	1
	8924553	COVER, 3-53 MINI-BYPASS (FRONT)								1	1			
	5119154	COVER, 4-53 MINI-BYPASS (REAR)									1			
	5119394	PLATE, REINFORCEMENT (LARGE)	2	2	2	2	2		2	2	4	2	2	2
	5119395	PLATE, REINFORCEMENT (SMALL)	2	2	2	2	2		2	1	4	2	2	2
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)										6		6
	179830	BOLT, 5/16"-18X3" (12.9001)									2			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	6	6	6	6			6				6	
	5116150	BOLT, 3/8"-16X10 11/16" (3.4001)					4			4				
	5121464	BOLT, 3/8"-24X10 3/16" (3.4001)					2			1				
	120393	WASHER, 5/16" (12.9190)									2			
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER												
	8924554	GASKET								1	1			
4D	5119433	GASKET	1	1	1	1	2		1	1	1	1	1	1
		3.4220 - SEAL, BLOWER DRIVE COVER												
	5180445	SEAL									1			
		3.4227 - CLAMP, BLOWER DRIVE COVER SEAL												
	451220	CLAMP, 2 1/2" HOSE (12.9660)									1			
		3.4300 - GEAR, BLOWER DRIVE												
4C	5116378	GEAR (R.H. HELIX; 39 TEETH)	1		1									
4C	5107079	GEAR (R.H. HELIX; 45 TEETH)		1		1		1	1		1	1	1	1
4C	124546	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1	1	1	1		1	1		1	1	1	1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	372	374	391	397	398	434	436	437	438	441	445
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4C	**5117700**	WASHER (3.4302)										2	2	2
		3.4310 - HUB, BLOWER DRIVE GEAR												
4C	**5103473**	HUB (SHAFT) 6V-53	1	1								1	1	1
4C	**5119284**	HUB (SHAFT) 4-53						1			1			
4C	**5116418**	HUB (SHAFT) 6V-53			1	1			1					
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST												
4C	**5117700**	WASHER (3.4302)	2	2										
4C	**5119285**	WASHER			1	1		1	1		1			
4C	**9411765**	RING (RETAINER)			1	1		1	1		1			

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	372	374	391	397	398	434	436	437	438	441	445
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB												
4C	**8921267**	SUPPORT, 6V-53 (INCLUDES BUSHINGS IN 3.4350)	1	1								1		
4C	**5129168**	SUPPORT, 6V-53			1	1								
4C	**5119175**	SUPPORT, 4-53						1			1			
4C	**5134680**	SUPPORT, 6V-53							1					
4C	**8921297**	SUPPORT, 6V-53											1	1
	8921738	COVER, 6V-53	1	1										
	5121343	COVER, 6V-53			1	1			1					
	5111423	BUSHING (1.7015)	2	2								2	2	2
4C	**179838**	BOLT, 3/8"-16X7/8" (12.9001)	1	1										
4C	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)						2			2			
4C	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)	2	2								2	2	2
4C	**9418964**	BOLT, 3/8"-16X5" (12.9001)			6	6			4					
4C	**215510**	BOLT, 3/8"-16X5 3/4" (12.9001)	4	4					2					
4C	**181360**	BOLT, 3/8"-24X3/4" (12.9001)						3			3			
4C	**5164294**	WASHER, 3/8" I.D.X1/8" THK. (7.1581)			4	4			4					
4C	**5152148**	WASHER, 3/8" COPPER (2.4050)	2	2	2	2		3	2		3	2	2	2
4C	**103341**	WASHER, 3/8" (12.9190)						2			2			
4C	**103321**	LOCKWASHER, 3/8" (12.9200)	5	5				2			2			
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT												
4C	**5103474**	GASKET	1	1	1	1			1			1	1	1
4C	**5103476**	GASKET	1	1										
4C	**5116336**	GASKET						1			1			
4C	**5121344**	GASKET	1			1			1					
		3.4370 - COUPLING, BLOWER DRIVE												
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.												
4B,D	**5119411**	+ COUPLING ASSY., 6V-53	1	1	1	1								
	8922969	COUPLING ASSY., 6V-53							1		1	1	1	1
	9409221	BOLT, 1/4"-28X1 5/8" (12.9001)	4	4	4				4		4	4	4	4
		+ NOT SERVICED, USE 8922969.												
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING												
4B,D	**5119412**	SUPPORT	1	1	1	1			1		1	1	1	1
		3.4390 - CAM, BLOWER DRIVE COUPLING												
4B,D	**8922970**	CAM	1	1	1	1			1		1	1	1	1
		3.4400 - SPRING, BLOWER DRIVE COUPLING												
4B,D	**5180322**	SPRING	30	30	30	30			30		30	30	30	30

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	372	374	391	397	398	434	436	437	438	441	445
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING												
	5180321	SEAT	2	2	2	2			2		2	2	2	2
		3.4420 - RETAINER, BLOWER DRIVE COUPLING												
4B,D	**5119466**	RETAINER	1	1	1	1			1		1	1	1	1

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	470	471	547	552
	3.4001 - BLOWER ASSY.						
		REFER TO ASSEMBLY BREAKDOWN PAGE INDICATED.					
	8924568	BLOWER ASSY., MINI-BYPASS 6V-53 (B1)	1				1
	8926607	BLOWER ASSY., MINI-BYPASS 3-53T (B1)		1			
4D	**5107524**	BLOWER ASSY., 6V-53 (A1)			1		
	8928940	BLOWER ASSY., 3-53 (B1)				1	
	5132923	BOLT, 7/16"-14X6.68" (NYLON INSERT)	4		4		4
	9433110	BOLT, 7/16"-14X6 11/16" (12.9001)		4		4	
	5131913	WASHER, 7/16"	4	4	4	4	4
	3.4003 - BLOWER KIT, INSTALLATION						
		A 6 CYLINDER KIT INCLUDES ITEMS IN 2.7010, 2.7051, 2.7650, 2.7700 AND HOSE AND CLAMPS IN 2.7834 AND GASKETS IN 3.4010, 3.4190 AND 3.4360.					
	5198043	BLOWER INSTALLATION KIT, 6V-53	AR		AR		
	NPN	BLOWER INSTALLATION KIT, 3-53		AR			
	5198041	BLOWER INSTALLATION KIT, 3-53				AR	
	3.4005 - BLOWER KIT, REPAIR						
		TURBO AND NON-TURBO KITS CONSIST OF WASHERS IN 3.4080, PILOT IN 3.4082, PLUS ITEMS IN 3.4090, 3.4100, 3.416 0 AND 3.4320.					
	5198683	BLOWER REPAIR KIT, 3, 4, 6V-53 (TURBO AND NON-TURBO)	AR	AR	AR	AR	AR
	3.4010 - GASKET, BLOWER						
	5119438	GASKET, 6V-53 (2.7010)	1		1		1
	5116295	GASKET, 3-53		1		1	
	8923566	GASKET, 6V-53	2		2		2
	5127963	RING, SEAL (TO BLOCK)	1		1		1
	3.4025 - SCREEN, BLOWER						
	5122610	SCREEN, 6V-53			1		
	3.4100 - SPACER, BLOWER ROTOR GEAR						
4D	**5126237**	SPACER	1		1		1
	3.4115 - PLATE, BLOWER ROTOR GOVERNOR DRIVE						
	5121336	PLATE	1		1		1
	9409219	BOLT, 1/4"-28X3/4" (12.9001)	4		4		4

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	470	471	547	552
		3.4180 - COVER, BLOWER HOUSING END PLATE					
4C	**5119429**	COVER, 6V-53 (FRONT)	1		1	1	1
	5119394	PLATE, REINFORCEMENT (LARGE)	2		2	2	2
	5119395	PLATE, REINFORCEMENT (SMALL)	2		2	2	2
	5121464	BOLT, 3/8"-24X10 3/16" (3.4001)				2	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	6				6
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			6		
	5116150	BOLT, 3/8"-16X10 11/16" (3.4001)				4	
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER					
	8924554	GASKET		1			
4D	**5119433**	GASKET	1		1	2	1
		3.4300 - GEAR, BLOWER DRIVE					
4C	**5107079**	GEAR, R.H. HELIX (C & D ENG.)	1		1		
4C	**124546**	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1		1		
		3.4310 - HUB, BLOWER DRIVE GEAR					
4C	**5103473**	HUB (SHAFT) 6V-53			1		
4C	**5116418**	HUB (SHAFT) 6V-53	1				

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3.4000 BLOWER AND DRIVE

	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	470	471	547	552
		3.4320 - WASHER, BLOWER DRIVE GEAR HUB THRUST					
4C	**5117700**	WASHER (3.4302)			2		
4C	**5119285**	WASHER	1				
4C	**9211765**	RING (RETAINER)	1				
		3.4350 - SUPPORT, BLOWER DRIVE GEAR HUB					
4C	**8921267**	SUPPORT, 6V-53 (INCLUDES BUSHINGS IN 3.4350)			1		
4C	**5129168**	SUPPORT, 6V-53	1				
	5121343	COVER, 6V-53	1				
	5111423	BUSHING (1.7015)			2		
4C	**186288**	BOLT, 3/8"-16X4 1/2" (12.9001)			2		
4C	**9418964**	BOLT, 3/8"-16X5" (12.9001)	6				
4C	**5164294**	WASHER, 3/8" I.D.X1/8" THK. (7.1581)	4				
4C	**5152148**	WASHER, 3/8" COPPER (2.4050)	2		2		
		3.4360 - GASKET, BLOWER DRIVE GEAR HUB SUPPORT					
4C	**5103474**	GASKET (3.4001)	1		1		
4C	**5121344**	GASKET	1				
		3.4370 - COUPLING, BLOWER DRIVE					
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.					
	8922969	COUPLING ASSY., 6V-53	1		1		1
	9409221	BOLT, 1/4"-28X1 5/8" (12.9001)	4		4		4
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING					
4B,D	**5119412**	SUPPORT	1		1		1
		3.4390 - CAM, BLOWER DRIVE COUPLING					
4B,D	**8922970**	CAM	1		1		1
		3.4400 - SPRING, BLOWER DRIVE COUPLING					
4B,D	**5180322**	SPRING	30		30		30
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING					
	5180321	SEAT	2		2		2
		3.4420 - RETAINER, BLOWER DRIVE COUPLING					
4B,D	**5119466**	RETAINER	1		1		1

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.4001 - BLOWER ASSY.														
3E	**5139301**	BLOWER ASSY., 2-53 (RA, RB)	1													
3E	**5139511**	BLOWER ASSY., 2-53 (RC, RD)		1												
3E	**5139693**	BLOWER ASSY., 2-53			1											
3E	**5139302**	BLOWER ASSY., 2-53				1										
3E	**5139304**	BLOWER ASSY., 2-53					1									
3E	**5142042**	% BLOWER ASSY., 2-53						1								
4A	**5139305**	BLOWER ASSY., 3-53							1							
4A	**5139306**	BLOWER ASSY., 3-53								1						
4A	**5103683**	% BLOWER ASSY., 3-53									1					
4D	**5142384**	% BLOWER ASSY., 6V-53										1				
4D	**5106342**	% BLOWER ASSY., 6V-53											1			
4D	**5107524**	BLOWER ASSY., 6V-53												1		
4B	**5103402**	% BLOWER ASSY., 4-53													1	
4D	**5107526**	BLOWER ASSY., 6V-53														1
		% SHOWN FOR REFERENCE ONLY.														
		3.4020 - HOUSING, BLOWER														
		A HOUSING ASSY. INCLUDES PINS.														
3E	**5121327**	HOUSING ASSY.	1	1												
3E	**5121376**	* HOUSING ASSY.			1	1										
3E	**5119389**	HOUSING ASSY.					1	1								
4A	**5119391**	HOUSING ASSY.							1	1	1					
4D	**5119393**	HOUSING ASSY.										1	1	1		1
4B	**5119392**	HOUSING ASSY.													1	
	141242	PIN, 3/8"X7/8" DOWEL (12.9290)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		* OBSOLETE.														
		3.4030 - ROTOR, BLOWER IMPELLER														
		ROTOR ASSY. INCLUDES SHAFT AND PIN WHICH ARE NOT SOLD SEPARATELY.														
3E	**5139296**	ROTOR ASSY., 2-53	2	2	2	2	2	2								
4A	**5139297**	ROTOR ASSY., 3-53							2	2	2					
4D	**5134913**	ROTOR ASSY., 6V-53										2		2		
4B	**5139298**	ROTOR ASSY., 4-53											2		2	
4D	**5106298**	ROTOR ASSY., 6V-53														2
		3.4033 - PLATE, BLOWER ROTOR THRUST														
3E,4A	**5134179**	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3E,4A	**5116170**	SPACER	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3E,4A	**9409062**	BOLT, 1/4"-20X1" (12.9001)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		3.4036 - WASHER, BLOWER ROTOR SHAFT THRUST														
3E,4A	**5127077**	WASHER, 25/64" I.D.	2	2	2	2	2	4	2	2	2	2	2	2	2	2
3E,4A	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)	2	2	2	2	2	4	2	2	2	2	2	2	2	2
		3.4080 - GEAR SET, BLOWER ROTOR														
3E,4A	**5119194**	GEAR (R.H. HELIX; 39 TEETH)	1	1			1	1	1	1	1					
3E,4A	**5119195**	GEAR (L.H. HELIX; 39 TEETH)	1	1	1	1	1	1	1	1	1					
3E	**5121402**	GEAR (R.H. HELIX; 39 TEETH)			1	1										

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.4080 - GEAR SET, BLOWER ROTOR (CONT'D)														
4B,D	**5128600**	GEAR (L.H. HELIX; 39 TEETH)										1	1		1	
4B,D	**5128599**	GEAR (R.H. HELIX; 39 TEETH)										1	1		1	
4B,D	**5107083**	GEAR (R.H. HELIX; 45 TEETH)												1		1
4B,D	**5107084**	GEAR (L.H. HELIX; 45 TEETH)												1		1
3E,4A	**9409018**	BOLT, 5/16"-24X7/8" (12.9001)	2	2	2	2	2	2	2	2	2				2	
4D	**9409023**	BOLT, 5/16"-24X1 3/4" (12.9001)										1	1	1		1
4D	**9420604**	BOLT, 5/16"-24X1 3/4" (12.9001)										1	1	1		1
3E,4A	**5121403**	WASHER, 21/64"X1"X3/16"	2	2	2	2	2	2	2	2	2					
4A,4B	**5116316**	WASHER													1	
		3.4082 - PILOT, BLOWER DRIVE CAM														
4D	**5126236**	PILOT										2	2	2	1	2
		3.4090 - SHIM, BLOWER ROTOR GEAR														
3E,4A	**5116164**	SHIM, .002"	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3E,4A	**5116165**	SHIM, .003"	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3E,4A	**5116166**	SHIM, .004"	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
3E,4A	**5116167**	SHIM, .005"	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.4100 - SPACER, BLOWER ROTOR GEAR														
3E,4A	**5116168**	SPACER	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		3.4140 - PLATE, BLOWER HOUSING END														
3E,4A	**5134914**	PLATE, FRONT	1	1	1	1	1	1	1	1	1				2	
4D	**5143636**	PLATE, FRONT										1	1	1		1
3E,4A	**5139299**	PLATE, REAR	1	1		1	1	1	1	1	1					
4D	**5134915**	PLATE, REAR										1	1	1		1
3E	**5139694**	PLATE, REAR			1											
	8924380	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3E,4A	**117297**	SCREW, 5/16"-18X1 3/4" FIL. HD. (12.9010)	4	4	4	4	4	4	4	4	4					
		3.4160 - SEAL, BLOWER HOUSING END PLATE														
3E,4A	**5142266**	SEAL (LIP TYPE)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		3.4180 - COVER, BLOWER HOUSING END PLATE														
4B	**5119429**	COVER, 3, 4, 6V53 (FRONT)													1	
4B	**5119154**	COVER, 4-53 (REAR)													1	
	5119394	PLATE, REINFORCEMENT (LARGE)													4	
	5119395	PLATE, REINFORCEMENT (SMALL)													4	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)													12	
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER														
4B	**5119433**	GASKET													2	

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN M
		3.4370 - COUPLING, BLOWER DRIVE	
		A COUPLING ASSY. INCLUDES ITEMS IN 3.4380 THRU 3.4410.	
4B,D	**5119411**	+ COUPLING ASSY., 4, 6V53	1
	5126237	SPACER (3.4100)	1
	9409221	BOLT, 1/4"-28X1 5/8" (12.9001)	4
		+ NOT SERVICED, USE 8922969.	
		3.4380 - SUPPORT, BLOWER DRIVE COUPLING	
4D	**5119412**	SUPPORT	1
		3.4390 - CAM, BLOWER DRIVE COUPLING	
4D	**8922970**	CAM	
4D	**5180323**	+ CAM	1
		+ NOT SERVICED, USE 8922970 AND 8922967.	
		3.4400 - SPRING, BLOWER DRIVE COUPLING	
4D	**5180322**	SPRING	30
		3.4410 - SEAT, BLOWER DRIVE COUPLING SPRING	
4D	**5180321**	SEAT	2
		3.4420 - RETAINER, BLOWER DRIVE COUPLING	
4B,D	**5119466**	RETAINER	1

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K
		3.4001 - BLOWER ASSY.											
4B	**5103596**	% BLOWER ASSY., 4-53	1										
4B	**5103735**	% BLOWER ASSY., 4-53		1									
4D	**5103597**	% BLOWER ASSY., 6V-53			1								
4B	**5107531**	BLOWER ASSY., 4-53				1							
4B	**5107532**	BLOWER ASSY., 4-53					1						
4B	**8922496**	BLOWER ASSY., 4-53						1					
	8924571	BLOWER ASSY., MINI-BYPASS 3-53							1				
	8924570	BLOWER ASSY., MINI-BYPASS 4-53								1			
	8924568	BLOWER ASSY., MINI-BYPASS 6V-53									1		
	8926607	BLOWER ASSY., MINI-BYPASS 3-53T (HARDENED GEARS)										1	
	8928940	BLOWER ASSY., 3-53 (HARDENED GEARS)											1
		% SHOWN FOR REFERENCE ONLY.											
		3.4020 - HOUSING, BLOWER											
4B	**5119392**	HOUSING, 4-53	1	1		1	1						
4D	**5119393**	HOUSING, 6V-53			1								
4B	**5103407**	HOUSING, 4-53						1					
	8924564	HOUSING, 3-53							1			1	
	8924565	HOUSING, 4-53								1			
	8924566	HOUSING, 6V-53									1		
	5119391	HOUSING, 3-53 (INCLUDES PIN)											1
4D	**141242**	PIN, 3/8"X7/8" DOWEL (12.9290)	4	4	4	4	4	4	4	4	4	4	4
		3.4030 - ROTOR, BLOWER IMPELLER											
	5139298	ROTOR ASSY.	2	2		2	2						
4D	**5134913**	ROTOR ASSY.			2								
4B	**5103436**	ROTOR ASSY.						2		2			
	8924584	ROTOR ASSY.							2			2	
	5104526	ROTOR ASSY.									2		
4A	**5139297**	ROTOR ASSY., 3-53											2
		3.4033 - PLATE, BLOWER ROTOR THRUST											
4B,D	**5134179**	PLATE	1	1	1	1	1	1	1	1	1	1	1
4B,D	**5116170**	SPACER	3	3	3	3	3	3	3	3	3	3	3
4B,D	**9409062**	BOLT, 1/4"-20X1" (12.9001)	3	3	3	3	3	3	3	3	3	3	3
		3.4036 - WASHER, BLOWER ROTOR SHAFT THRUST											
4B,D	**5127077**	WASHER, 25/64" I.D.	2	2	2	2	2	2	2	2	2	2	2
4B,D	**9409034**	BOLT, 3/8"-24X7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
		3.4080 - GEAR SET, BLOWER ROTOR											
4B,D	**5128600**	GEAR (L.H. HELIX; 39 TEETH)	1	1	1			1					
4D	**5128599**	GEAR (R.H. HELIX; 39 TEETH)	1	1	1								
4B	**5119194**	GEAR (R.H. HELIX; 39 TEETH)						1					
4B	**5107081**	GEAR (R.H. HELIX; 45 TEETH)				1	1		1	1			
4B	**5107082**	GEAR (L.H. HELIX; 45 TEETH)							1				
4B,D	**5107084**	GEAR (L.H. HELIX; 45 TEETH)				1	1			1	1		
4B	**5107083**	GEAR (R.H. HELIX; 45 TEETH)									1		
4B	**8924984**	GEAR (L.H. HELIX; 45 TEETH)										1	1
4B	**8924983**	GEAR (R.H. HELIX; 45 TEETH)										1	1
4B	**9409018**	BOLT, 5/16"-24X7/8" (12.9001)	2	2		2	2	2	2	2		2	2

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K
		3.4080 - GEAR SET, BLOWER ROTOR (CONT'D)											
4D	**9409023**	BOLT, 5/16"-24X1 3/4" (12.9001)			1						1		
4D	**9420604**	BOLT, 5/16"-24X1 3/4" (12.9001)			1						1		
3E,4A	**5121403**	WASHER, 21/64"X1"X3/16"							2			2	
4B	**5116316**	WASHER	2	1		1	1	1		1			

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3.4000 BLOWER AND DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K
		3.4082 - PILOT, BLOWER DRIVER CAM											
4B,D	**5126236**	PILOT	1	1	2	1	1	1		1	2		
		3.4090 - SHIM, BLOWER ROTOR GEAR											
4B,D	**5116164**	SHIM, .002"	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	**5116165**	SHIM, .003"	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	**5116166**	SHIM, .004"	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
4B,D	**5116167**	SHIM, .005"	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		3.4100 - SPACER, BLOWER ROTOR GEAR											
4B,D	**5116168**	SPACER	2	2	2	2	2	2	2	2	2	2	2
		3.4140 - PLATE, BLOWER HOUSING END											
4D	**5143636**	PLATE, FRONT			1								
4D	**5134915**	PLATE, REAR			1								
4B	**5134914**	PLATE, REAR	1	1		2	2						2
4B	**5103452**	PLATE, FRONT AND REAR						2		1			
4H	**8924546**	PLATE, FRONT							1	1		1	
	5139299	PLATE, REAR							1			1	1
	5104301	PLATE, FRONT									1		
4H	**8924545**	PLATE, REAR									1		
	8924557	TUBE, VENT							1	1	1	1	
	141212	PIN, 5/16" (12.9290)						4	2	4	4	2	
4D	**8924380**	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2		1		2	1	4
	8923847	PLUG, 1/4" PIPE (4.7001)						2	1	2		1	
	179830	BOLT, 5/16"-18X3" (12.9001)										2	
	117297	SCREW, 5/16"-18X1 3/4" (12.9010)							2			2	4
	9421632	SCREW, 5/16"-18X3" SKT. HD. (12.9027)									2		
		3.4144 - VALVE ASSY., BLOWER (MINI-BYPASS)											
4H	**8924561**	VALVE ASSY.							1	1	1	1	
4H	**8926703**	HOSE, 1/4"X2.00"L.							1	1	1	1	
		3.4145 - SEAL, BLOWER VALVE (BYPASS)											
	8923959	SEAL									1		
		3.4146 - CLAMP, BLOWER VALVE (MINI-BYPASS)											
4H	**1622744**	CLAMP							2	2	2	2	
	8927674	CLAMP									2		
4H	**454813**	BOLT, 1/4"-20X7/8" (12.9001)							2	2	2	2	
4H	**103319**	LOCKWASHER, 1/4" (12.9200)							2	2	2	2	
		3.4160 - SEAL, BLOWER HOUSING END PLATE											
4B,D	**5142266**	SEAL (LIP TYPE)	4	4	4	4	4	4	4	4	4	4	6

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3.4000 BLOWER AND DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN J
		3.4180 - COVER, BLOWER HOUSING END PLATE	
	8924553	COVER, MINI-BYPASS	1
	179830	BOLT, 5/16"-18X3" (12.9001)	2
	120393	WASHER, 5/16" (12.9190)	2
		3.4190 - GASKET, BLOWER HOUSING END PLATE COVER	
	8924554	GASKET	1

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3.4000A BLOWER DRIVE SHAFT

	PART NUMBER	NAME AND DESCRIPTION	TYPES 17	26	31	34	35
	3.4445	**- SHAFT, BLOWER DRIVE**					
		FOR TYPE 42 USE TYPE 35.					
4B	**5146721**	+ SHAFT, 6.43" L. (.500" DIA. FOR TACH DRIVE)	1	1			
4G	**5135006**	SHAFT, 5.80" L.			1		
4F	**5135845**	SHAFT, 6.66" L. (FOR FUEL PUMP DRIVE)				1	
4F	**5135876**	SHAFT, 6.43" L. (HEAVY DUTY)					1
		+ NOT SERVICED. USE 8922967 SHAFT AND 8922970 CAM.					
	3.4446	**- RING, BLOWER DRIVE SHAFT**					
4C	**9414044**	RING, SNAP	1	1			1
4C	**5135842**	RING, SNAP				1	
	3.4450	**- RETAINER, BLOWER DRIVE SHAFT**					
4G	**5132896**	RETAINER			1		
4G	**9409228**	BOLT, 1/4"-28X2 1/4" LOCK (12.9001)			2		

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	110	111	133	148	163	182	247	252	309	322
		3.5001 - TURBOCHARGER											
		REFER TO ASSEMBLY BREAKDOWN AS SHOWN.											
	NPN	TURBOCHARGER ASSY. (CUSTOMER FURNISHED)					1						
	5132530	TURBOCHARGER ASSY., 6V53 (PAGE A1)	1										
10A	5138740	TURBOCHARGER ASSY., 4-53 (PAGE A1)		1									
10A	5138565	TURBOCHARGER ASSY., 4-53 (PAGE A1)			1								
	5141322	# TURBOCHARGER ASSY., 8V53(PAGE A1)				1		1					
10A	5143099	TURBOCHARGER ASSY., 6V53 (PAGE A1)							1	1			
	5101431	TURBOCHARGER ASSY., 6V53 (PAGE A1)									1	1	1
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		4	4								
	103321	LOCKWASHER, 3/8" (12.9200)		4	4								
	103026	NUT, 3/8"-24 (12.9120)		4	4								
		# NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR A COMPLETE REPLACEMENT USE 5145126.											
		3.5002 - BRACKET, TURBOCHARGER SUPPORT											
	5102569	BRACKET										1	
	5102576	BRACKET										1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)										4	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)										2	
	103341	WASHER, 3/8" (12.9190)										4	
		3.5300 - BRACKET, TURBOCHARGER MOUNTING											
	5162960	BRACKET ASM., 6V53	1						1				1
	5138758	BRACKET		1	1								
	5138763	+ BRACKET		1									
	5138762	BRACKET, 4-53		1	1								
	5138587	+ BRACKET			1								
	5141633	BRACKET, 8V53 (SUPPORT)				1		1					
	5141636	BRACKET, 8V53				1		1					
	5141642	BRACKET, 8V53 (SUPPORT)				1		1					
	5100413	BRACKET								1	1		
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)		4	4			2					
	5175882	GASKET (SPACER) (4.4115)				1							
	181596	BOLT, 5/16"-24X7/8" (12.9001)		2	2								
	8927581	BOLT, 3/8"-16X1" (12.9001)				3		2					
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2	4		4					
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)		2	2							4	
	181399	BOLT, 7/16"-20X1 3/8" (12.9001)						4					
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)	4						4				4
	9415527	BOLT, 1/2"-20X1 3/8" (8.1009)				2							
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)				2							
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)								3	3		
	103341	WASHER, 3/8" (12.9190)		2	2	4		10				12	
	103342	WASHER, 7/16" (12.9190)						4				2	
	103343	WASHER, 1/2" (12.9190)				4							
	5159714	WASHER, 11/16" X 1/8" (2.7290)		2	2								
	103320	LOCKWASHER, 5/16" (12.9200)		2	2								
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR		AR				AR	
	103322	LOCKWASHER, 7/16" (12.9200)						4					
	103323	LOCKWASHER, 1/2" (12.9200)				4				3	3		
	114493	LOCKNUT, 5/16"-24 (2.7170)		2	2								
	103026	NUT, 3/8"-24 (12.9120)		2	2								
	103026	NUT, 3/8"-24 (12.9120)										4	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	110	111	133	148	163	182	247	252	309	322
		3.5300 - BRACKET, TURBOCHARGER MOUNTING (CONT'D)											
	456939	NUT, 7/16"-20 (12.9120)						4					
	103028	NUT, 1/2"-20 (12.9120)				4							
		+ OBSOLETE											
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET											
	5138905	CONNECTOR (90 DEG.)	2				2		2				2
	5141635	CONNECTOR				1		1					
	5100410	ADAPTOR (TEE)								1	1		
	5100401	CONNECTOR (LEFT BANK REAR)								1	1		
	5100402	CONNECTOR (RIGHT BANK REAR)								1	1		
	5138745	+ ADAPTOR (L.B. ENGINE)		1									
	5138747	+ ADAPTOR (R.D. ENGINE)			1								
	272471	STUD, 3/8"-16-24X6" (12.9117)		5	5								
	5138904	MANIFOLD (EXH. INLET)	1										
	5146391	MANIFOLD							1				1
	5146440	TUBE ASSY.				1		1					
	5102575	TUBE ASSY. (R.H.)										1	
	5102574	TUBE ASSY. (L.H.)										1	
	5103734	HOSE, 5" I.D.X1.25"L.											1
	5162988	CLAMP ASSY. (SEGMENTED)	1						1				
	5146165	CLAMP, 3.88" DIA. (6.2085)				3		3		4	4	4	4
	5137620	CLAMP, 3.82" DIA. (6.2085)	4				4		4	4			
	5137619	CLAMP, 4 1/2" DIA. (6.2085)								1			
	5136911	CLAMP, 4 3/4" DIA.						1			1	1	1
	5114937	CLAMP, 5 1/2" DIA. (3.1280)											1
	456353	PIN, 1/8"X5/16" L. (12.9275)	1										
	8927579	BOLT, 3/8"-16X7/8" (12.9001)	4						2				4
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)									3		
	181361	BOLT, 3/8"-24X7/8" (12.9001)				4		4					
	186627	BOLT, 3/8"-24X1" (12.9001)							2				
	103341	WASHER, 3/8" (12.9190)				4							
	5164292	WASHER, 7/16" (1.7605)						4					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	5	5	AR		AR	AR		AR		4
	102635	NUT, 3/8"-16 (12.9120)	2										2
	103026	NUT, 3/8"-24 (12.9120)	5	5					2				
		+ OBSOLETE											
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION											
	8923492	GASKET, 4-53		1	1								
		3.5325 - GASKET, TURBOCHARGER EXHAUST OUTLET											
	5138759	GASKET, 4-53 (3.5307)		1	1								
		3.5417 - ELBOW, TURBOCHARGER AIR OUTLET											
10A	5138771	TUBE, 4-53 L.B. ENGINE (3.5217)		1									
10A	5138770	TUBE, 4-53 R.D. ENGINE			1								
	5134059	TUBE, 8V53				1		1					
	5124405	GASKET (3.3007)		1	1								
10A	186629	BOLT, 5/16"-18X1" (12.9001)		4	4								
	103320	LOCKWASHER, 5/16" (12.9200)		4	4								

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	110	111	133	148	163	182	247	252	309	322
		3.5418 - GASKET, TURBOCHARGER AIR OUTLET ELBOW											
	5138755	GASKET, 4-53 (INTERCOOLER TO BLOWER)		1	1								
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION											
10A	5199781	HOSE, 2.5"I.D.X2.25" L. (5.2165)		1									
	5140613	HOSE, 3.5"I.D.X2"L. (3.5305)			1	1		1					
10A	5162888	HOSE, 3.5"I.D.X2 3/4"L.				1		1	1	1	1	1	1
10A	5162818	HOSE, 3.38"I.D.-3.10" DIA.X2.40"L.	1										
	5142594	* HOSE, #16X3 1/2" L. (3.5505)						1					
	5186840	CLAMP, 1" HOSE (12.9660)						2					
10A	5188036	CLAMP, 3" HOSE (12.9660)		2									
10A	5147912	CLAMP, 3 1/2" HOSE (3.5420)	2		4	4		4	2	2	2		
	5147911	CLAMP, 3 1/2" HOSE (3.5420)											2
	9139813	CLAMP, 4" HOSE (3.5400)										2	
	5146164	CLAMP ASSY., 4.88" DIA. (3.5305)										1	
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		3.5425 - INTERCOOLER, TURBOCHARGER											
10A	8534927	% INTERCOOLER ASM., 4-53		1	1								
	8927580	BOLT, 3/8"-16X1" (12.9001)		2	2								
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4								
	103321	LOCKWASHER, 3/8" (12.9200)		6	6								
		% NOT SERVICED, FOR SERVICE USE 8545998.											
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY											
	5146389	# TUBE ASSY.							1				
	5138508	TUBE, UPPER 8V53				1		1					
	5144393	TUBE, LOWER 8V53				1		1					
	5146356	HOSE, FLEX. 6 57/64"L.				1		1					
	5139343	HOSE, FLEX. 28 1/2"L.		1	1								
	5131575	HOSE ASSY. 39 1/4"L. (7.8300)	1						1	1	1		1
	5199575	@ HOSE, BULK #6 CUT L. 53" (12.8550)										1	
	5199579	FITTING, #6 HOSE 5/8"-18 MALE INV. FL. STRAIGHT (12.8552)										1	
	5199588	FITTING, #6 HOSE 5/8"-18 MALE INV. FL. 90 DEG. (12.8552)										1	
	8924218	CONNECTOR, 5/16, TUBE (12.9460)		1	1								
	8924171	+ CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1			1		2	1	1	1	1	1
	442338	UNION, 3/8" INV. FL. TUBE (12.9475)						1					
	5121182	PLUG, 1/4" PIPE (2.4015)				1		1					
	178917	TEE, 3/8" INV. FL. TUBE (12.9616)				1		1					
	8925720	BUSHING, RED. 1/2"X1/4" (12.9570)				1	1	1					
	8924144	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)		1	1								
	8924161	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)				1						1	1
	8925030	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1			1	1	1	1	1	1		
	5133418	COVER	1			1			1				
	5131847	COVER		1	1			1		1	1	1	1
	5170466	GASKET		1	1			1		1	1	1	1
	5133425	GASKET	1			1			1				
	5170468	GASKET (3.5505)							1				

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	110	111	133	148	163	182	247	252	309	322
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)											
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2			2			2				
	8927580	BOLT, 3/8"-16X1.015" (12.9001)						2	2				
	8927581	BOLT, 3/8"-16X1" (12.9001)		2	2			1		2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2			2			2				
	103321	LOCKWASHER, 3/8" (12.9200)		2	2			2	2	2	2	2	2
		# NOT SERVICED; FOR REPLACEMENT CONTACT DDA ENGINEERING DEPARTMENT.											
		@ STD. BULK HOSE, CUT TO LENGTH SHOWN.											
		+ OMIT 5131847 COVER OR 5103890 SPACER WHEN OIL SUPPLY HOLE IS TAPPED.											
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE											
	5147599	CLIP, 1/2" HOSE (2.5120)	1			2			1	1	1		
	5134759	CLIP (2.5156)				2		2					
	2488022	CLIP, #6 HOSE (12.8554)											1
	5171509	CLIP, 5/8" TUBE, 3/8" BOLT (9.1591)										1	
	3291251	CLIP, 5/8" TUBE, 1/2" BOLT (1.1060)										1	
	5159393	BRACKET, CLIP (SUPPORT) (4.1575)				1		1					
	5108612	BRACKET, CLIP (4.4345)				1		1					
	181309	BOLT, 1/4"-28X1/2" (12.9001)				2		2					
	179857	BOLT, 7/16"-14X7/8" (12.9001)				1		1					
	120392	WASHER, 1/4" (12.9190)				1		1					
	103319	LOCKWASHER, 1/4" (12.9200)				2		2					
	103322	LOCKWASHER, 7/16" (12.9200)				1		1					
	121902	NUT, 1/4"-28 (12.9120)				2		2					
		3.5505 - TUBE, TURBOCHARGER OIL RETURN											
	5133417	% TUBE ASSY., 6V53	1										
	5133353	TUBE ASSY., 6V53	1						1				
10A	5139485	% TUBE, 4-53		1									
10A	5139486	% TUBE, 4-53			1								
	5141641	% TUBE, 2.88" L. 8V53				1							
	5146226	TUBE, 8V53						1					
	5100412	TUBE ASSY. (UPPER)								1	1		
	5100411	TUBE ASSY. (LOWER)								1	1		
	5102650	TUBE ASSY., 6V53										1	
	5143869	TUBE ASSY., (LOWER)										1	
	5103050	TUBE (W/FLANGE)											1
	5133353	TUBE ASSY.											1
	5130627	HOSE, 1 1/8" X 4 5/16"								1	1		
10A	5135293	* HOSE, 26"L. (2.5060)		1	1								
	5144591	HOSE, 7/8"X10 3/4"L.										1	
	5113030	HOSE, 1 1/8"X6 1/2"	1						1				1
	5132237	FITTING, 5/8" INV. FL. TUBE (2.6005)		1	1								
	128140	% BUSHING, RED. 3/4"X1/2" (12.9570)		1	1								
	143341	ELBOW, 5/8" INV. FL. TUBE 90 DEG. (12.9480)		1	1								
	5141644	ADAPTOR, TURBOCHARGER DRAIN				1							
	2337379	CLAMP, 1 1/2" HOSE (12.9660)	2			2			2				2
	5186840	CLAMP, 1" HOSE (12.9660)								2	2	2	
	442343	ELBOW, 5/8"-90 DEG. (12.9480)		1	1								
	5170468	GASKET	1					1		1	1	1	1
	5138977	GASKET		1	1								
	5133426	GASKET				1							
	5132774	GASKET (4.8070)				1		1					

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 99	110	111	133	148	163	182	247	252	309	322
		3.5505 - TUBE, TURBOCHARGER OIL RETURN (CONT'D)											
	5116391	GASKET (LOWER TUBE) (1.5060)								1	1		
	5146405	COVER (3.5001)						1					
	454813	BOLT, 1/4"-20X7/8" (12.9001)				1		1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2			2							2
	186625	BOLT, 5/16"-18X 7/8" (12.9001)								2	2		
	8927580	*BOLT, 3/8"-16X1.015" (12.9001)*						2		2	2	2	
	8927581	BOLT, 3/8"-16X1" (12.9001)		2	2								
	120392	WASHER, 5/16" (12.9190)				1		7					
	103320	LOCKWASHER, 5/16" (12.9200)	2			2				2	2		2
	120382	LOCKWASHER, 3/8" (12.9200)									2		
	103321	LOCKWASHER, 3/8" (12.9200)		2	2			2				2	
		* STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.											
		% OBSOLETE.											
		3.5535 - INSULATION BLANKET, TURBOCHARGER											
10A	**5138749**	BLANKET, 4-53		1									
10A	**5138750**	BLANKET, 4-53			1								

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	374	375	390	415	469	470	528	532	533	554	555
		3.5001 - TURBOCHARGER												
		REFER TO ASSEMBLY BREAKDOWN AS SHOWN.												
	5104082	TURBOCHARGER ASSY., 6V53 (A1)	1											
5B	**5106635**	@ TURBOCHARGER ASSY., 4-53 (A1) (5103905)		1					1					
5B	**5107067**	TURBOCHARGER ASSY., 3-53 (A1)				1		1		1		1	1	1
5B	**5107431**	TURBOCHARGER ASSY., 6V-53 (A1)					2							
5B	**5104803**	@ + TURBOCHARGER ASSY., 4-53 (A1) (5103905)			1						1			
	5104978	SEAL RING, 1.102"X1.138"	1											
	5130488	STUD, 3/8"-16-24X1.88" (5.2020)	4											
	8927270	STUD, 3/8"-16X1 5/8" (12.9117)		4	4	4	8		4		4	4	4	
	103197	STUD, 3/8"-16-24X13/16" (12.9117)												4
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)						4		4				
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)	2											
	5131433	WASHER, .41"X.81"X.1345" (1.5001)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	WASHER, 7/16" (12.9200)	2											
	9411981	NUT, 3/8"-24 LOCK (12.9120)	4	4	4	4	16	4	4	4	4	4	4	4
		+ THE COMPRESSOR COVER AND TURBINE HOUSING POSITION MAY NEED TO BE INDEXED.												
		@ NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		3.5300 - BRACKET, TURBOCHARGER MOUNTING												
	5104258	BRACKET (CROSSOVER TUBE SUPT.) (3.5502)									1			
	5173022	BRACKET (5.5379)						1				1	1	
	5157412	SPACER, 7/8" O.D.X13/32" I.D. (7.4013)									2			
	186622	BOLT, 3/8" 16X1 1/4" (12.9001)									2			
	8927581	BOLT, 3/8"-16X1" (12.9001)									2			
	8927580	BOLT, 3/8"-16X1.015" (12.9001)						1				1	1	
	5103707	CLAMP, U BOLT									1			
	103341	WASHER, 3/8" (12.9190)						1			2	1	1	
	120392	WASHER, 1/4" (12.9190)									2			
	103321	LOCKWASHER, 3/8" (12.9200)						1			2	1	1	
	120380	LOCKWASHER, 1/4" (12.9200)									2			
	120375	NUT, 1/4"-20 (12.9120)									2			
	102635	NUT, 3/8"-16 (12.9120)						1				1	1	
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
	5104083	ADAPTOR (TEE)	1											
	5106670	TEE (3.5417)					1							
	5104264	TUBE (R. BANK)	1											
	5104086	TUBE (L. BANK)	1											
	5104256	TUBE									1			
	5140613	HOSE, 3.5" I.D.X2"L.					1							
	5106669	ELBOW, TURBO					2							
	5137620	CLAMP ASSY., 3.82" DIA. (6.2085)	4											
	9139813	CLAMP, HOSE 4" (12.9660)					2							

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	374	375	390	415	469	470	528	532	533	554	555
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	8923492	GASKET, 6V53	1											
	5103394	GASKET, 3-53, 4-53		1	1	1	2	1	1	1	1	1	1	1
	5107018	GASKET, 6V53					2							
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
	5144041	HOSE, 3"I.D.X2 3/4"L.	1											
	5103399	HOSE, 2 1/2"I.D.X2 3/8"L.		1	1		2		1		2			
	5106626	HOSE, 2 1/2"I.D.X2 1/2"L.				1		1		1		1	1	1
	5138336	CLAMP, HOSE 4" (3.4227)	2											
	9139809	CLAMP, 2 1/16"—3" CLAMPING RANGE (12.9660)		2	2		4		2		2			
	8920537	CLAMP, HOSE 1 9/16"-2 1/2" CLAMPING RANGE (12.9660)				2	2	2		2		2	2	2
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
	5123918	COVER, 6V53 (1.1060)										1		
	5131847	COVER, 6V53	1											
	5199575	@ HOSE, BULK #6 CUT L. 34" (12.8550)	1											
	5199575	@ HOSE, BULK #6 CUT L. 28" (12.8550)		1					1					
	5199575	@ HOSE, BULK #6 CUT L. 32" (12.8550)			1									
	5199575	@ HOSE, BULK #6 CUT L. 39" (12.8550)				1		1		1		1	1	1
	5199575	@ HOSE, BULK #6 CUT L. 19" (12.8550)									1			
	5199575	@ HOSE, BULK #6 CUT L. 54" L. (12.8550)					1							
	5199575	@ HOSE, BULK #6 CUT L. 29" (12.8550)					1							
	5199579	FITTING, #6 HOSE 5/8"-18 MALE INV. FL. STRAIGHT	1	1	1	1	2	1	1	1	1	1	1	1
	5199588	FITTING, #6 HOSE 5/8"-18 MALE INV. FL. 90 DEG.		1	1	1	2	1	1	1	1	1	1	1
	5149530	FITTING, #6 HOSE 5/8"-18 MALE INV. FL. 45 DEG. (12.8552)	1											
	5103890	SPACER		1	1	1	2	1	1	1	1	1	1	1
	5170466	GASKET	1	1	1	1	2	1	1	1	1	1	1	1
	8925030	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)		1	1	1	3	1	1	1	1			1
	8924216	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1	1	1	1		1	1	1	1	2	2	1
	8924171	+ CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1							1			1	1
	8924142	BUSHING, 1/4"X1/8" RED. (BRASS) (12.9570)		1	1				1			1	1	
	8924161	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)					1							
	8925720	BUSHING, 1/4"X1/2" RED. (12.9570)					1							
	5101020	STRAP (2.5255)					2							
	8924380	PLUG, 1/8" PIPE (12.9550)										1	1	
	8924214	TEE, 1/8" PIPE (7.4586)	1											
	8927579	BOLT, 3/8"-16X7/8" (12.9001)				1		1		1		1	1	1
	8927581	BOLT, 3/8"—16X1" (12.9001)	2											
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)					4	2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2			1		1		1		1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)					4	2	2	2	2	2	2	2
	102635	NUT, 3/8"-18 (12.9120)								1				
	8926979	DRAINCOCK, 1/8" (12.9510)										1	1	

@ STD. BULK HOSE, CUT TO LENGTH SHOWN.

\+ OMIT 5103890 SPACER WHEN OIL SUPPLY HOLE IS TAPPED.

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	374	375	390	415	469	470	528	532	533	554	555
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE												
	5131190	CLIP, 3/8" (2.5120)	1											
	2488022	CLIP, #6 HOSE (12.8554)	2	4	3	3	2	3	1	3	1	3	3	3
	5166565	BRACKET, CLIP (9.1591)	1											
	181360	BOLT, 3/8"—24X3/4" (12.9001)	1											
	5101377	BOLT, 3/8" 16X1" (W/SEAL PATCH) (5.2020)	2											
	103341	WASHER, 3/8" (12.9190)	1											
	103026	NUT, 3/8"-24 (12.9120)	1											
	103321	LOCKWASHER, 3/8 (12.9200)	3											
		3.5505 - TUBE, TURBOCHARGER OIL RETURN												
	5104098	TUBE ASSY. (3.5503)				1								
	5103398	TUBE ASSY., 4-53		1	1									
	5106627	TUBE ASSY., 3-53				1								
	5107001	TUBE ASSY., 6V53 (LB)					1							
	5107003	TUBE ASSY., 6V53 (RB)					1							
	8920654	TUBE ASSY., 3-53						1	1	1				1
	5106340	TUBE ASSY., 4-53									1			
	5106337	TUBE ASSY., 4-53									1			
	8922262	TUBE ASSY., 3-53 (3.5503)										1	1	
	5103859	HOSE ASSY., #16X16"L.		1	1									
	5169721	HOSE ASSY., 7/8"X24"L. (4.8010)					2							
	5137686	HOSE ASSY., 7/8"X32"L. (4.3001)						1		1				1
	5125788	HOSE, 7/8"X23.50"L. (9.1720)							1			1	1	
	5107024	ADAPTOR (3.5503)					1							
	5104192	HOSE, #16X1.75"L.				1					1			
	5138977	GASKET		1	1	1	2	1	1	1	1	1	1	1
	5116391	GASKET (1.5060)					1							
	8925129	ELBOW, 1"-90 STREET (12.9590)		1	1				1					
	8926234	ELBOW, 1"X45 DEG. (12.9590)											1	1
	217986	ELBOW, 1"X3/4"-90 DEG. PIPE (12.9600)						1		1		1		
	5144702	CONNECTOR, 3/4" (5.2165)					2							
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)						1		1		1		
	127874	NIPPLE, 1"X1 1/2" (12.9560)		1										
	5186840	CLAMP, HOSE 1" (12.9660)					4				2			
	8927581	BOLT, 3/8"-16X1" (12.9001)		2	2	2	4	2	2	2	2	2	2	2
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)					2							
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2	4	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)					2							
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
	5142270	CLIP (4.8183)			1									
	5127859	CLIP (4.8040)		1										
	5147753	CLIP, #16 (12.8562)						1	1	1		1	1	1
	5186840	CLAMP, 13/16"-1 1/2" CLAMPING RANGE (12.9660)			2									
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)		2	2	2								
	8927580	BOLT, 3/8"-16X1.015" (12.9001)										1	1	
	103341	WASHER, 3/8" (12.9190)										1	1	
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2								
	103321	LOCKWASHER, 3/8" (12.9200)										1	1	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

3.5535 - INSULATION BLANKET, TURBOCHARGER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 371	374	375	390	415	469	470	528	532	533	554	555
10A	**5107187**	BLANKET, 6V53					2							
10A	**8923927**	BLANKET, R.B. 6V53					1							
10A	**8923928**	BLANKET, L.B. 6V53					1							

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 627	641	642	647	652	689	690	731	742	743	744	745	746
		3.5001 - TURBOCHARGER													
		REFER TO ASSEMBLY BREAKDOWN AS SHOWN.													
5B	**5107067**	TURBOCHARGER ASSY., 3-53 (A1)	1		1	1									
5B	**5106635**	@ TURBOCHARGER ASSY., 4-53 (A1)		1			1			1	1		1	1	1
5B	**5107431**	TURBOCHARGER ASSY., 6V-53 (A1)						2							
5B	**8922614**	TURBOCHARGER ASSY., 3-53 (A1)							1						
5B	**5101508**	TURBOCHARGER ASSY., 6V-53 (A1)										1			
	103197	STUD, 3/8"-16X13/16" (12.9117)						8							
	8927270	STUD, 3/8"-16X1 5/8" (12.9117)	4	4	4	4	4	8	4	4	4		4	4	4
	5131433	WASHER, .41"X.81"X.1345" (1.5001)	4	4	4	4	4	16	4	4	4		4	4	4
	9411981	NUT, 3/8"-24 LOCK (12.9120)	4	4	4	4	4	16	4	4	4		4	4	4
		@ NOT SERVICED, USE 5103905.													
		3.5300 - BRACKET, TURBOCHARGER MOUNTING													
	5173022	BRACKET (5.5379)	1		1	1									
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	1		1	1									
	103341	WASHER, 3/8" (12.9190)	1		1	1									
	103321	LOCKWASHER, 3/8" (12.9200)	1		1	1									
	102635	NUT, 3/8"-16 (12.9120)	1		1	1									
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET													
	5106670	TEE (3.5417)						1							
	5140613	HOSE, 3.5" I.D. X 2" L.						1							
	5106669	ELBOW, TURBO						2							
	9139813	CLAMP, HOSE 4" (3.5400)						2							
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION													
	5103394	GASKET, 3 & 4-53	1	1	1	1	1	2	1	1	1		1	1	1
	5107018	GASKET, 6V53						2				2			
	8923492	GASKET, 6V53										1			
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION													
	5106626	HOSE, 2 1/2" I.D.X2 1/2"L. (3.5424)	1		1	1			1						
	5103399	HOSE, 2 1/2" I.D.X2 3/8"L.		1			1	2		1	1		1	1	1
	8920537	CLAMP, HOSE 2 1/2" (12.9660)	2		2	2			2						
	9139809	CLAMP, HOSE 2 1/2" (12.9660)		2			2	4		2	2		2	2	2
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY													
	5199575	@ HOSE, BULK #6 CUT L. 39" (12.8550)	1		1	1			1						
	5199575	@ HOSE, BULK #6 CUT L. 28" (12.8550)		1			1			1	1		1	1	1
	8923850	HOSE ASSY., #6X33.55"L.						1							
	8924034	HOSE ASSY., #6X58.55" L.						1							
	5199579	FITTING, #6 HOSE, 5/8"-18 MALE INV. FL., STRAIGHT (12.8552)	1	1	1	1	1		1	1	1		1	1	1
	5199588	FITTING, #6 HOSE, 5/8"-18 MALE INV. FL., 90 DEG. (12.8552)	1	1	1	1	1		1	1	1		1	1	1
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1	1	1	1	1	4	1	1	1		1	1	1
	8924216	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (12.9480)	1		1	1			1						

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 627	641	642	647	652	689	690	731	742	743	744	745	746
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)													
	8925030	ELBOW, 3/8"-90 DEG. (12.9480)		1			1			1	1		1	1	1
	8924161	ELBOW, 3/8"-45 DEG. (12.9480)						1							
	8925720	BUSHING, 1/4"X1/2" RED. (12.9570)						1							
	5101020	STRAP (2.5255)						2							
	8924380	PLUG, 1/8" PIPE (12.9550)	1												
	8926979	DRAINCOCK, 1/8" (12.9510)	1												
	8927579	BOLT, 3/8"-16X7/8" (12.9001)	1		1	1			1						
	103321	LOCKWASHER, 3/8" (12.9200)	1		1	1			1						
		@ STD. BULK HOSE CUT TO LENGTH SHOWN.													
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE													
	2488022	CLIP, #6 HOSE (12.8554)	3	1	3	3	1		3	1	1		1	1	1
	2362448	CLIP, .688" DIA. (12.8554)						2							
		3.5505 - TUBE, TURBOCHARGER OIL RETURN													
	8922262	TUBE ASSY., 3-53 (3.5503)	1												
	8920654	TUBE ASSY., 3-53		1	1	1	1						1	1	
	5107001	TUBE ASSY., 6V53 (LB)						1							
	5107003	TUBE ASSY., 6V53 (RB)						1							
	5104098	TUBE ASSY., 3-53							1	1					
	5106627	TUBE ASSY., 3-53 (3.5503)							1						
	8924840	TUBE ASSY., 4-53								1					1
	8924917	TUBE ASSY., 4-53									1				
	8924842	HOSE, #16X33.0" L.		1											
	8923874	HOSE, 7/8"X33.0" L.			1									1	
	5138899	HOSE, 7/8"X38 1/2" (4.3020)				1									
	8923873	HOSE, 7/8"X25.0" L.	1				1						1		
	5169721	@ HOSE, BULK 7/8" CUT L. 2 1/2" (4.8010)						2							
	5142594	HOSE, #16X4" L.							1		1				
	8924842	HOSE, #16X33"L.								1					1
	8924207	ADAPTOR (4.4330)	1		1										
	5107024	ADAPTOR (3.5503)						1							
	5138977	GASKET	1	1	1	1	1	2	1	1	1		1	1	1
	5116391	GASKET (1.5060)						1							
	8925129	ELBOW, 1"-90 DEG., STREET (12.9590)		1											
	217986	ELBOW, 1"X3/4"-90 DEG. PIPE (12.9600)				1									
	5144702	CONNECTOR, 3/4" (5.2165)						2							
	8924208	CONNECTOR, 1" (9.1720)					1						1	1	
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)				1									
	5186840	CLAMP, HOSE 1" (12.9660)						4	2	2	2				2
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)						2							
	8927581	BOLT, 3/8"-16"X1" (12.9001)	2	3	2	2	2	4	2	2	2		2	2	2
	103320	LOCKWASHER, 5/16" (12.9260)						2							
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	4	2	2	2		2	2	2
		@ STD. BULK HOSE CUT TO LENGTH SHOWN.													
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE													
	5147753	CLIP, #16 LONG (12.8562)	1		1	1	1			1			1		1
	5142270	CLIP (4.8183)		1										1	
	5127859	CLIP, 1" TUBE (4.8040)					1								
	5174091	CLIP, 7/8" TUBE (4.8040)									1				

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

PART NUMBER	NAME AND DESCRIPTION	TYPES 627	641	642	647	652	689	690	731	742	743	744	745	746
	3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE (CONT'D)													
8927580	BOLT, 3/8"-16X1.015" (12.9001)	1							1					
8927581	BOLT, 3/8"-16X1" (12.9001)												1	1
103341	WASHER, 3/8" (12.9190)	1												
103321	LOCKWASHER, 3/8" (12.9200)	1												
	3.5535 - INSULATION BLANKET, TURBOCHARGER													
8923926	BLANKET, 6V53						2							
8923927	BLANKET, 6V53						1							
8923928	BLANKET, 6V53						1							

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 753	754	757	758	759	760	761	762	763	764	765	766
		3.5001 - TURBOCHARGER												
		REFER TO ASSEMBLY BREAKDOWN AS SHOWN. TYPE 754 IS THE TURBOCHARGER ASSY. ONLY.												
	5101431	TURBOCHARGER ASSY., 6V-53 (A1)	1											
5B	**5101508**	TURBOCHARGER ASSY., 6V-53 (A1)		1										
	8925133	TURBOCHARGER ASSY., 3-53 (PAGE B1)			1	1	1	1	1					
	8925134	TURBOCHARGER ASSY., 3,4-53 (PAGE B1)								1	1	1	1	1
	8927270	STUD, 3/8"-16X1 5/8" (12.9117)			4	4	4	4	4	4	4	4	4	4
	5131433	WASHER, .41"X.81"X.1345" (1.5001)			4	4	4	4	4	4	4	4	4	4
	9411981	NUT, 3/8"-24 LOCK (12.9120)			4	4	4	4	4	4	4	4	4	4
		3.5300 - BRACKET ASSY., TURBOCHARGER MOUNTING												
	8924591	BRACKET	1											
	5173022	BRACKET (5.5379)			1		1	1						
	8927580	BOLT, 3/8"-16X1.015" (12.9001)			1		1	1						
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)	4											
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	1											
	103341	WASHER, 3/8" (12.9190)			1		1	1						
	103321	LOCKWASHER, 3/8" (12.9200)			1		1	1						
	102635	NUT, 3/8"-16 (12.9120)			1		1	1						
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET												
	8924586	TUBE (R.B.)	1											
	8924587	TUBE (L.B.)	1											
	8924585	TEE	1											
	5146165	CLAMP, 3.88" DIA. (6.2085)	4											
	5146164	CLAMP, 4.75" DIA.	1											
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	3											
	103321	LOCKWASHER, 3/8" (12.9200)	3											
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION												
	5103394	GASKET, 3, 4-53			1	1	1	1	1	1	1	1	1	1
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION												
10A	**5162888**	HOSE, 3.5" I.D.X2 3/4" L.	1											
10A	**5106626**	HOSE, 2 1/2" I.D.X2 1/2"L. (3.5424)			1	1	1	1	1					
10A	**5103399**	HOSE, 2 1/2" I.D.X2 3/8"L.								1	1	1	1	1
	5147911	CLAMP, 3 1/2" HOSE (3.5420)	2											
	8920537	CLAMP, 2 1/2" HOSE (12.9660)			2	2	2	2	2					
	9139809	CLAMP, 2 1/2" HOSE (12.9660)								2	2	2	2	2
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY												
	8924607	TUBE ASSY. (3.5505)	1											
	5199575	+ HOSE, #6 BULK (CUT L. 39.0") (12.8550)	1		1	1	1	1	1					
	5199575	+ HOSE, #6 BULK (CUT L. 28.0") (12.8550)								1	1	1	1	1

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G	PART NUMBER	NAME AND DESCRIPTION	TYPES 753	754	757	758	759	760	761	762	763	764	765	766
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY (CONT'D)												
	5123918	COVER (1.1060)					1							
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	1		1	1	1	1	1	1	1	1	1	1
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)	1		1	1	1	1	1	1	1	1	1	1
	8924171	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1		1	1	1	1	1	1	1	1	1	1
	8926232	ADAPTOR, 1/8" PIPE (12.9570)	1											
	8924216	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1		1	1	1	1	1					
	8925030	ELBOW, 3/8"-90 DEG. (12.9480)								1	1	1	1	1
	8924380	PLUG, 1/8" PIPE (12.9550)					1							
	8926979	DRAINCOCK, 1/8" (12.9510)					1							
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE												
	2488022	CLIP, #6 HOSE (12.8554)	3		3	3	3	3	3	1	1	1	1	1
	5126504	BRACKET (4.1512)	1											
	100001	BOLT, 1/4"-28X3/4" (12.9001)	1											
	179796	BOLT, 1/4"-20X7/8" (12.9001)	1											
	8927579	BOLT, 3/8"-16X7/8" (12.9001)			1	1	1	1	1					
	120392	WASHER, 1/4" (12.9190)	2											
	103319	LOCKWASHER, 1/4" (12.9200)	2											
	103321	LOCKWASHER, 3/8" (12.9200)			1	1	1	1	1					
	121902	NUT, 1/4"-28 (12.9120)	1											
		3.5505 - TUBE, TURBOCHARGER OIL RETURN												
	8924592	TUBE ASSY.	1											
	8920654	TUBE ASSY.			1	1		1	1			1	1	
	8922262	TUBE ASSY.					1							
	8924917	TUBE ASSY.								1				
	8924840	TUBE ASSY.									1			1
	5104098	TUBE ASSY.												1
	5112425	HOSE, 1 1/8"X1.88" (4.8175)	1											
	5138899	HOSE, 7/8"X38 1/2"L. (4.3020)			1									
	5137686	HOSE, 7/8"X32"L. (4.3001)				1			1					
	5142594	HOSE, #16X4"L.								1				
	8923873	HOSE, #16X25"L.					1						1	
	8924842	HOSE, #16X33"L.									1			1
	8923874	HOSE, #16X37"L.						1				1		
	5170468	GASKET	1											
	5138977	GASKET			1	1	1	1	1	1	1	1	1	1
	9402713	CONNECTOR, 1" (12.9380)			1									
	8924207	ADAPTOR (4.4330)					1	1						
	8924208	ADAPTOR (9.1720)										1	1	
	8926234	ELBOW, 1"-45 DEG. (12.9590)				1								
	217986	ELBOW, 1"X3/4"-90 DEG. PIPE (12.9600)							1					
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)							1					
	5186840	CLAMP, 1 1/8" (12.9660)	2											
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2											
	8927581	BOLT, 3/8"-16X1" (12.9001)			2	2	2	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2											
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2	2	2	2	2	2	2	2

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 753	754	757	758	759	760	761	762	763	764	765	766
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE												
	5147753	CLIP, #16 (12.8562)			1	1	1	1	1		1		1	1
	5174091	CLIP, 7/8" TUBE (4.8040)								1				
	5142270	CLIP (4.8183)										1		
	5186840	CLAMP, 13/16"-1 1/2" RANGE (12.9660)								2	2			2
	8927581	BOLT, 3/8"-16X1" (12.9001)								1	1	1		1
	8927580	BOLT, 3/8"-16X1.015" (12.9001)					1							
	103341	WASHER, 3/8" (12.9190)					1							

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G	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	825	828	829	840	841	842	843	844	845	846	847	848
		3.5001 - TURBOCHARGER													
		REFER TO ASSEMBLY BREAKDOWN ON PAGE INDICATED BELOW.													
5B	**8924252**	TURBOCHARGER ASSY. (6V) (TV7301) (PAGE B1)		1		1									
5B	**5101431**	TURBOCHARGER ASSY. (6V) (TV8104) (PAGE A1)			1										
5B	**8926099**	TURBOCHARGER ASSY. (6V) (TV6302) (PAGE B1)					1								
5B	**8926100**	TURBOCHARGER ASSY. (3-53) (TO4E02) (PAGE B1)	1					1	1	1	1	1			
5B	**8926101**	TURBOCHARGER ASSY. (4-53) (TO4E03) (PAGE B1)											1	1	1
	5104978	RING, SEAL 1.102"-1.138" I.D.X.092"-.098" WIDE (SQUARE SECTION)		1			1								
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)	4					4	4	4	4	4	4	4	4
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)		2			2								
	103322	LOCKWASHER, 7/16" (12.9200)		2			2								
	5131433	WASHER, .41"X.81"X.14" (1.5001)	4					4	4	4	4	4	4	4	4
	9411981	NUT, 3/8"-24 (12.9120)	4					4	4	4	4	4	4	4	4
		3.5300 - BRACKET, TURBOCHARGER MOUNTING													
	8926382	BRACKET (3.5002)			1										
	8927230	SUPPORT (BRACKET) (R. BANK)			1										
	8927231	SUPPORT (BRACKET) (L. BANK)			1										
	5160425	SPACER, 13/32"X23/32" (2.3267)			2										
	5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)			2										
	8927581	BOLT, 3/8"-16X1" (12.9001)			4										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4										
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)			2										
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)			2										
	9430221	BOLT, 3/8"-24X4 3/4" (1.2080)			2										
	103321	LOCKWASHER, 3/8" (12.9200)			14										
	103341	WASHER, 3/8" (12.9190)			4										
	5131433	WASHER, .41"X.81"X.14" SPECIAL (1.5001)			8										
	102635	NUT, 3/8"-16 (12.9120)			4										
	103026	NUT, 3/8"-24 (12.9120)			2										
		3.5305 - CONNECTOR, TURBOCHARGER EXHAUST INLET													
	23500205	TUBE ASSY. (L. BANK)		1											
	23500206	TUBE ASSY. (R. BANK)		1											
	8926390	TUBE ASSY. (L. BANK)			1										
	8926389	TUBE ASSY. (R. BANK)			1										
	5104264	TUBE ASSY. (R. BANK)					1								
	5104086	TUBE ASSY. (L. BANK)					1								
	5104083	TEE		1			1								
	8924585	TEE			1										
	5146165	CLAMP, 3.88" DIA. (6.2085)		4	4	3									
	5146164	CLAMP, 4.75" DIA.			1										
	5137620	CLAMP, 3.82" DIA. (6.2085)					4								
	5130488	STUD, 3/8"X1.88" (5.2020)		4			4								
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)			3										
	103321	LOCKWASHER, 3/8" (12.9200)			3										
	5131433	WASHER, .41"X.81"X.14" SPECIAL (1.5001)		4			4								
	102635	NUT, 3/8"-16 (12.9120)			3										
	9411981	NUT, 3/8"-24 (12.9120)		4			4								

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 824	825	828	829	840	841	842	843	844	845	846	847	848
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION													
	8923492	GASKET		1		1	1								
	5103394	GASKET	1					1	1	1	1	1	1	1	1
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION													
10A	5162888	HOSE, 3.50" I.D.X2.75" L.		1	1	1									
10A	5144041	HOSE, 3" I.D.X2 3/4" L.					1								
10A	5106626	HOSE, 2 1/2" I.D.X2 1/2" L. (3.5424)	1					1	1		1	1			
10A	5103399	HOSE, 2 1/2" I.D.X2 3/8" L.											1	1	1
	5147911	CLAMP, 3 1/2" HOSE		2	2										
	5138336	CLAMP, 2.938"-3.25" CLAMPING RANGE (3.4227)					2								
	8920537	CLAMP, 1 9/16"-2 1/2" CLAMPING RANGE (12.9660)	2					2	2	2	2	2			
	9139809	CLAMP, 2 1/16"-3" CLAMPING RANGE (12.9660)											2	2	2
	9139813	CLAMP, 3 1/2" HOSE (3.5400)				2									
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY													
	5199575	+ HOSE, #6 BULK (CUT L. 28") (12.8550)											1	1	1
	5199575	+ HOSE, #6 BULK (CUT L. 34") (12.8550)		1			1								
	5199575	+ HOSE, #6 BULK (CUT L. 39") (12.8550)	1					1	1	1	1	1			
	5199575	+ HOSE, #6 BULK (CUT L. 45") (12.8550)			1										
	5123918	COVER (1.1060)								1					
	8924380	PLUG, 1/8"-27 (12.9550)	1							1					
	8926978	DRAINCOCK, 1/8" (12.9510)								1					
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	1	1	2		1	1	1	1	1	1	1	1	1
	8923965	FITTING, #6 HOSE INV. FLD. (12.8552)		1			1								
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)	1					1	1	1	1	1	1	1	1
	8924214	*TEE, 1/8" PIPE (12.9616)*					1								
	8924161	ELBOW, 45 DEG. INV. FLD. TUBE (12.9480)		1											
	8925030	ELBOW, 90 DEG. INV. FLD. TUBE (12.9480)			2								1	1	1
	8924216	ELBOW, 90 DEG. INV. FLD. TUBE (12.9480)	1				1	1	1	1	1	1			
	8924171	CONNECTOR, 3/8" INV. FLD. TUBE (12.9460)	1	1			1	1					1	1	1
		+ BULK HOSE, CUT TO LENGTH SHOWN.													
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE													
	2488022	CLIP, #6 HOSE (12.8554)	3	2	1		2	3	3	3	3	3	1	1	1
	5131190	CLIP, 3/8" (2.5120)		1			1								
	5175606	BRACKET (4.1540)		1			1								
	5173022	BRACKET (5.5379)	1					1		1	1				
	8927579	BOLT, 3/8"-16X7/8" (12.9001)	1					1	1	1	1	1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)		1											
	8927580	BOLT, 3/8"-16X1.015" (12.9001)	1					1		1	1				
	5101377	BOLT, 3/8"-16X1" (5.2020)					2								
	103321	LOCKWASHER, 3/8" (12.9200)	2	1			3	2	1	2	2	1			
	103341	WASHER, 3/8" (12.9190)	1	1			1	1		1	1				
	102635	NUT, 3/8"-16 (12.9120)	1												
	102635	NUT, 3/8"-16 (12.9120)						1		1	1				
	117049	NUT, 3/8"-24 (12.9120)		1			1								

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

PART NUMBER	NAME AND DESCRIPTION	TYPES 824	825	828	829	840	841	842	843	844	845	846	847	848
3.5505 - TUBE, TURBOCHARGER OIL RETURN														
8926381	TUBE ASSY.			1										
5143856	TUBE ASSY.			1										
8920654	TUBE ASSY.	1					1	1		1	1			1
8922262	TUBE ASSY. (3.5503)								1			1		
8924917	TUBE ASSY.												1	
8924840	TUBE ASSY.													
5138899	HOSE ASSY., NO. 16X38.50" L. (4.3020)						1							
5144756	HOSE, 7/8"X18" L.			1										
5137686	HOSE ASSY., NO. 16X32" L. (4.3001)							1			1			
8923874	HOSE ASSY., NO. 16X37" L.	1								1				1
5142594	HOSE, #16X4" L.											1		
8924842	HOSE, #16X33" L.												1	
8923873	HOSE ASSY., #16X25" L.								1					
5170468	GASKET			1	1		1	1	1	1	1	1	1	1
5138977	GASKET	1												
5116391	GASKET (1.5060)			1										
9402713	CONNECTOR, 1" (12.9380)						1							
8924171	CONNECTOR, 3/8" INV. FLD. TUBE (12.9460)							1	1	1	1			
5142070	FLANGE				1									1
8924208	ADAPTOR, STRAIGHT 1" (9.1720)													
8924207	ADAPTOR, STRAIGHT 1" INV. FLD. TUBE (4.4330)	1							1	1				
8926234	ELBOW, 45 DEG. ST. 1" (12.9590)							1						
5137871	+ ELBOW, 90 DEG. SWIVEL 1"								1	1				1
217986	ELBOW, 90 DEG. 1X3/4" RED. (12.9600)										1			
8924164	NIPPLE, 3/4"X1 3/8" (12.9560)										1			
8927580	BOLT, 3/8"-16X1.015" (12.9001)			2	2		2							
8927581	BOLT, 3/8"-16X1" (12.9001)	2					2	2	2	2	2	2	2	2
103321	LOCKWASHER, 3/8" (12.9200)	2		2	2		2	2	2	2	2	2	2	2
	+ PART OF HOSE ASSEMBLY.													
3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE														
5184291	CLIP, 1 1/4" (8.3820)			1										
5147753	CLIP, 1.188" DIA. (12.8562)						1	1	1	1	1		1	
5174091	CLIP, 7/8" (4.8040)											1		
5142270	CLIP, 1 1/4" DIA. (4.8183)													1
5147753	CLIP, 1.188" DIA. (12.8562)	1												
5186840	CLAMP, 13/16"-1 1/2" RANGE (12.9660)			2								2	2	
8927580	BOLT, 3/8"-16X1.015" (12.9001)								1				1	1
8927581	BOLT, 3/8"-16X1" (12.9001)								1					
103321	LOCKWASHER, 3/8" (12.9200)								1					
103341	WASHER, 3/8" (12.9190)													
3.5535 - INSULATION BLANKET, TURBOCHARGER														
8924257	BLANKET, 6V			1										

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8490	8500	9070	9080	9360	9559	9911	9988	10227
		3.5001 - TURBOCHARGER									
		REFER TO ASSEMBLY BREAKDOWN ON PAGE INDICATED BELOW.									
	8926101	TURBOCHARGER ASSY., 453 TO4E03 .81 A/R (PAGE B1)	1	1							
	8926100	TURBOCHARGER ASSY., 353 TO4E02 .68 A/R (PAGE B1)			1	2	1				
	8926099	TURBOCHARGER ASSY., 6V53 TV6302 1.05 A/R (PAGE B1)						1			
	8927030	TURBOCHARGER ASSY., 6V53 TV7511 .96 A/R (PAGE B1)							1		
	8924252	TURBOCHARGER ASSY., 6V53 TV7301 1.08 A/R (PAGE B1)								1	1
	5104978	RING, SEAL 1.102"-1.138" I.D.X.092"-.098" WIDE SQUARE SECTION						1			1
	8927270	STUD, 3/8"-16-24X1.62" (12.9117)	4						8		
	5130488	STUD, 3/8"-16-24X1.88" (5.2020)						4		4	4
	187425	BOLT, 7/16"-14X5 1/4" (12.9001)						2			2
	5131433	WASHER, .41"X.81"X.1345" (1.5001)	4	4	4	8	4	4	8	4	4
	103322	LOCKWASHER, 7/16" (12.9200)						2			2
	9411981	NUT, 3/8"-24 LOCK (12.9120)	4	4	4	8	4	4	8	4	4
		3.5305 - CONNECTIONS, TURBOCHARGER EXHAUST INLET									
	5104264	TUBE ASSY. (R. BANK)						1			
	5104086	TUBE ASSY. (L. BANK)						1			
	8928643	TUBE ASSY. (LH)								1	
	8928642	TUBE ASSY. (RB)								1	
	23500206	TUBE ASSY. (LB)									1
	23500205	TUBE ASSY. (RB)									1
	5140613	HOSE, 3 1/2" I.D.X2" L.				1					
	5106669	ELBOW				2					
	5106670	TEE (3.5417)				1					
	8928638	TEE								1	
	5104083	TEE						1			1
	103197	STUD, 3/8"-16-24X13/16" (12.9117)				8					
	5137620	CLAMP, 3.82" DIA. (6.2085)						4			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)								3	
	5131433	WASHER, .41"X.81"X.1345" (1.5001)				8					
	103321	LOCKWASHER, 3/8" (12.9200)								3	
	9411981	NUT, 3/8"-24 LOCK (12.9120)				8					
	9139813	CLAMP, 3 1/2" HOSE (3.5400)				2					
	5146165	CLAMP, 3.88" (6.2085)								4	4
		3.5307 - GASKET, TURBOCHARGER EXHAUST INLET CONNECTION									
	5103394	GASKET, 3, 4-53	1	1	1	2	1				
	8923492	GASKET						1		1	2
	5107018	GASKET				2			2		
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION									
	8928644	BRACKET, TEE SUPPORT								1	
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)								2	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)								1	
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)								2	

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

	PART NUMBER	NAME AND DESCRIPTION	TYPES 8499	8500	9007	9008	9336	9559	9991	9998	10227
		3.5308 - BRACKET, TURBOCHARGER EXHAUST INLET CONNECTION (CONT'D)									
	103321	LOCKWASHER, 3/8" (12.9200)								2	
	103322	LOCKWASHER, 7/16" (12.9200)								1	
	103323	LOCKWASHER, 1/2" (12.9200)								2	
		3.5420 - HOSE, TURBOCHARGER AIR OUTLET CONNECTION									
10A	5103399	HOSE, 2 1/2" I.D.X2 3/8" L.	1	1		2					
10A	5106626	HOSE, 2 1/2" I.D.X2 1/2" L. (3.5424)			1		1				
	5144041	HOSE, 3" I.D.X2 3/4"L.						1			
	5162888	HOSE, 3 1/2" I.D.X2 3/4"L.								1	1
	9139809	CLAMP, 2 1/2" HOSE (12.9660)	2	2		4					
	8920537	CLAMP, 2 1/2" HOSE (12.9660)			2		2				
	5138336	CLAMP, 2.938"-3.25" CLAMPING RANGE (3.4227)						2			
	9139813	CLAMP, 3 1/2" HOSE (3.5400)								2	
	5147911	CLAMP, 3 1/2" HOSE									2
		3.5500 - TUBE, TURBOCHARGER OIL SUPPLY									
	5199575	+ HOSE, #6 BULK (CUT L. 28.0")	1	1							
	5199575	+ HOSE, #6 BULK (CUT L. 39.0")			1		1				
	5199575	+ HOSE, #6 BULK (CUT L. 34.0")						1			1
	8924034	HOSE, #6X58.55" L.				1					
	8923850	HOSE, #6X33.55" L.				1					
	5123918	COVER (1.1060)					1				
	8925720	BUSHING, 1/2"X1/4" RED. (12.9570)				1					
	8924171	CONNECTOR, 3/8" INV. FL. TUBE	1	1	1	4	1	1			1
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)	1	1	1		1	1			1
	5199588	FITTING, #6 HOSE (90 DEG.) (12.8552)	1	1	1		1				
	8923965	FITTING, #6 HOSE (90 DEG.) (12.8552)						1			1
	8924216	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1		1	1			
	8925030	ELBOW, 3/8"-90 DEG. (12.9480)	1	1							
	8924161	ELBOW, 3/8"-45 DEG. (12.9480)				1					
	8924214	TEE, 1/8" PIPE (12.9616)						1			
	8924380	PLUG, 1/8"-27 PIPE (W/SEAL) (12.9550)					1				
	8926978	DRAINCOCK, 1/8" (12.9510)					1				
		+ BULK HOSE, CUT TO LENGTH SHOWN.									
		3.5502 - CLIP, TURBOCHARGER OIL SUPPLY TUBE									
	2488022	CLIP, #6 HOSE (12.8554)	1	1	3		3	3			2
	2362448	CLIP, #8 HOSE (12.8554)				2					
	5131190	CLIP, 3/8" (2.5120)						1			1
	5175606	BRACKET (4.1540)						1			1
	5101020	STRAP, HOSE (2.5255)				2					
	8927579	BOLT, 3/8"-16X7/8" (12.9001)			1		1				
	5101377	BOLT, 3/8"-16X1.00" (5.2020)						2			
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1			1
	103341	WASHER, 3/8" (12.9190)						1			1
	103321	LOCKWASHER, 3/8" (12.9200)			1		1	3			1
	8925720	BUSHING, 1/2"X1/4" RED. (12.9570)				1					
	103026	NUT, 3/8"-24 (12.9120)						1			1

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8499	8500	9007	9080	9336	9599	9991	9998	10277
		3.5505 - TUBE, TURBOCHARGER OIL RETURN									
	8920654	TUBE ASSY.	1								
	8924840	TUBE ASSY.		1							
	8926789	TUBE ASSY.			1						
	5104098	TUBE ASSY.		1	1		1			1	
	8926788	TUBE ASSY.					1				
	5107001	TUBE ASSY. (LB)				1					
	5107003	TUBE ASSY. (RB)				1					
	8928637	TUBE ASSY.								1	
	8923873	HOSE ASSY., #16X25"L.	1								
	8923750	HOSE, #16X10.5" L.			1		1				
	5169721	+ HOSE, 7/8" I.D.X24" L. (CUT L. 2 1/2" L.) (4.8010)				2					
	8924842	HOSE, #16X33.0" L.		1							
	8927534	HOSE, #16X5.0"L.								1	
	5131575	HOSE ASSY., #6X39.25"L. (7.8300)								1	
	5138977	GASKET	1	1	1	2	1				
	5116391	GASKET (1.5060)				1					
	5170468	GASKET								1	
	5107024	ADAPTOR (3.5503)				1					
	8924208	ADAPTOR, STRAIGHT 1" (9.1720)	1								
	5144702	CONNECTOR, 3/4" (5.2165)				2					
	8924171	CONNECTOR, INV. FLD 3/8" TUBE (12.9460)								1	1
	8924181	ELBOW, 45 DEG. 3/8" TUBE (12.9480)								1	1
	5137871	ELBOW, 90 DEG. SWIVEL 1"	1								
	8927581	BOLT, 3/8"-16X1" (12.9001)	2	2	2	4	2			2	
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)				2					
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	4	2			2	
	103320	LOCKWASHER, 5/16" (12.9200)				2					
		+ BULK HOSE. CUT TO LENGTH SHOWN.									
		3.5507 - CLIP, TURBOCHARGER OIL RETURN TUBE									
	5147753	CLIP, #16 LONG (12.8562)	1	1			1				
	5174091	CLIP, 7/8" TUBE (4.8040)			2						
	5186840	CLAMP, 1 1/8" (12.9660)		2	2	4	2			2	
	5173022	BRACKET, CLIP (5.5379)					1				
	8927580	BOLT, 3/8"-16X1.015" (12.9001)					2				
	8927581	BOLT, 3/8"-16X1" (12.9001)		1							
	103341	WASHER, 3/8" (12.9190)					2				
	103321	LOCKWASHER, 3/8" (12.9200)					2				
	102635	NUT, 3/8"-16 (12.9120)					1				
		3.5535 - INSULATION BLANKET, TURBOCHARGER									
	8923926	BLANKET				2					
	8923927	BLANKET (LB)				1					
	8923928	BLANKET (RB)				1					
	8923871	BLANKET						1			
	8928755	BLANKET (HSG)								1	
	8928754	BLANKET (TEE)								1	
	8928756	BLANKET (LB)								1	
	8928757	BLANKET (RB)								1	
	23500441	BLANKET (TURBO)									1
	23500437	BLANKET (TEE)									1
	23500439	BLANKET (LB)									1
	23500440	BLANKET (RB)									1

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	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5001 - TURBOCHARGER														
10A	**5138565**	TURBOCHARGER ASSY., 4-53(TEO-675)	1													
10A	**5138740**	TURBOCHARGER ASSY., 4-53(TEO-675)		1												
	5141322	* TURBOCHARGER ASSY., 8V53(T-1910)			1											
	5132530	TURBOCHARGER ASSY., 6V53(T-1900)				1										
	5145126	TURBOCHARGER ASSY., 8V53(T-19A40)					1									
5B	**5143099**	TURBOCHARGER ASSY., 6V53(T-19A40)						1								
	5101431	TURBOCHARGER ASSY. (TV-8104)							1							
5B	**5106635**	* TURBOCHARGER ASSY., 4-53 (T04B98)								1						
5B	**5104082**	TURBOCHARGER ASSY., 6V53 (TV61)									1					
5B	**5104803**	* TURBOCHARGER ASSY., 4-53										1				
5B	**5107067**	TURBOCHARGER ASSY., 3-53 (T04B08)											1			
5B	**5107431**	TURBOCHARGER ASSY., 6V53												1		
5B	**8922614**	TURBOCHARGER ASSY., 3-53 (TB4110)													1	
5B	**5101508**	TURBOCHARGER ASSY., 6V53 (TV8101)														1
		* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
		3.5003 - HOUSING, TURBOCHARGER TURBINE														
5A	**5198934**	HOUSING, 4-53	1	1												
	5199037	HOUSING, 8V53			1											
5A	**5198254**	HOUSING, 6V53				1										
	5199503	HOUSING, 8V53					1									
	5199057	HOUSING, 6V53						1								
	5149168	HOUSING							1							
5B	**5149552**	HOUSING, 4-53								1				1	1	
5B	**8921425**	HOUSING									1					
	5149494	HOUSING, 4-53										1				
	5149627	HOUSING, 3-53											1			
	5149170	HOUSING, 6V53														1
	5198935	LOCKSTRIP	3	3												
	5198255	LOCKSTRIP			3	3										
	585726	PLATE, LOCK			4	4	4	4								
5B	**5149553**	PLATE, LOCK								3			3	3	3	
	5149473	PLATE, LOCK										2				
5A	**5198933**	CLAMP	3	3												
5B	**5149554**	CLAMP								3			3	3	3	
	5199494	SPACER, LOCKPLATE			4	4	4	4								
5B	**173639**	SCREW, .073"X1/4" (12.9067)									2					
	8921753	SCREW, 5/16"-18X.828" (12.9027)										4				
	5198996	BOLT, 5/16"-18X1/2"			8		8	8								
	179816	BOLT, 5/16"-18X3/4" (12.9001)				4										
5A	**8927578**	BOLT, 3/8"-16X3/4" (12.9001)	6	6						6			6	6	6	
5B	**5149555**	BOLT, 5/16"-18X1/2"									4					
5B	**9419007**	BOLT, 1/4"-20X1 1/8"							4							
	9419006	BOLT, 1/4"-20X1" (12.9001)							1							
	585713	NUT, 1/4"-28 LOCK (3.5022)														
	103320	LOCKWASHER, 5/16" (12.9200)				4										
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE														
		A HOUSING ASSY. INCLUDES ITEMS IN 3.5018 AND 3.5027 THRU 3.5036.														
	5198927	HOUSING, 4-53 (INCLUDES PINS)	1	1												
	5198245	HOUSING ASSY., 6, 8V53 (INCLUDES PINS)			1	1										
	5199024	HOUSING, 6, 8V53 (INCLUDES PIN)					1	1								
	5199020	HOUSING ASSY., 6, 8V53					1	1								
	5149165	HOUSING ASSY.							1							
	5149535	HOUSING ASSY., 4-53								1						

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE (CONT'D)														
5B	**8921419**	HOUSING ASSY., 6V53T									1					
5B	**5149471**	HOUSING ASSY., 4-53 (INCLUDES PINS)										1				
5B	**5149628**	HOUSING ASSY., 3-53											1		1	
5B	**8920899**	HOUSING ASSY., 6V53												1		
	5199606	HOUSING (INCLUDES PINS)							1							
5B	**5149169**	HOUSING ASSY., 6V53														1
	5149153	HOUSING (INCLUDES PINS)									1					1
5B	**5149536**	HOUSING, 4-53								1			1	1	1	
5A	**5198929**	SHROUD, WHEEL 4-53	1	1							1					
	5199055	SHROUD, WHEEL 6,8V53					1	1								
	5149167	SHROUD, WHEEL							1							1
5B	**5149546**	SHROUD, WHEEL								1			1	1	1	
5A	**5198939**	PLATE, THRUST	1	1												
	5199492	PLATE, WARNING					1	1								
5B	**5149356**	PLATE, LOCK	6	6						2			2	2	2	
	5149481	@ PLATE, NAME										1				
	5198249	BACK PLATE, ROTOR			1	1										
	5199491	+ BACK PLATE ASSY., ROTOR					1	1								
	5199607	BACK PLATE ASSY., ROTOR							1							1
5B	**5149542**	BACK PLATE ASSY., ROTOR								1			1	1	1	
5B	**8921423**	CLAMP, INDEXING (3.5022)									1					
5B	**8921421**	BACK PLATE ASSY., ROTOR									1					
5B	**8921759**	BACK PLATE, TURBO										1				
5A	**5198936**	RING, SEAL (NOT PART OF HOUSING ASSY.)	1	1					1	1	1		1	1	1	1
	5198248	RING, SEAL (BACK PLATE TO HOUSING)			1	1										
5B	**8921755**	O RING										1				
	5149467	GASKET										1				
	5198247	LOCKSTRIP			4	4										
	5199502	LOCKSTRIP					4	4								
	5149158	LOCK TAB							4		4					4
5B	**5199620**	PIN, .101" DIA. X .250"L. GROOVE	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	173639	SCREW, 1/4" DRIVE (12.9067)					4	4	2							2
	5199493	SCREW, #4-40X.19" DRIVE					3	3								
	5149199	SCREW, SELF-TAPPED										1				
	8921754	SCREW AND LOCKWASHER ASSY. (3.5022)										6				
	8921748	CLAMP, PLATE (3.5022)										3				
	9419006	BOLT, 1/4"-20X1" (12.9001)														4
5A	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	4	4						4			4	4	4	
	186629	BOLT, 5/16"-18X1" (12.9001)					4	4								
	5199852	BEARING			1	1	1	1			1					1
		+ INCLUDES BEARING AND DRIVE SCREW. (NOT SOLD SEPARATELY)														
		@ OBSOLETE.														
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR														
5A	**5198932**	HOUSING, 4-53	1	1												
	5199058	HOUSING, 8V53			1											
5A	**5198251**	@ HOUSING, 6V53				1										
5A	**5198826**	* HOUSING, 6V53				1										
	5199429	HOUSING, 6,8V53					1	1								
	5199611	HOUSING							1							1
5B	**5149549**	HOUSING, 4-53								1						
5B	**8921422**	HOUSING, 6V53									1					
5B	**5149626**	HOUSING, 3-53											1		1	
	5149488	COVER, 4-53										1				
5A	**5198937**	CLAMP, INDEXING (3.5020)	1	1												
	5198833	CLAMP, SECTIONING			1	1										
5A	**5199424**	CLAMP, INDEXING			4		1	1								

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR (CONT'D)														
	5149160	CLAMP, INDEXING							1							1
5B	**5149162**	CLAMP, INDEXING							1		1					1
5B	**5149551**	CLAMP								3			3	3	3	
5B	**5149476**	CLAMP PLATE										2				
5B	**5149550**	PLATE LOCK								3			3	3	3	
	5198257	RING, 2.50"I.D.			1	1	1	1								
	5198258	RING			1											
	443230	PIN, 1/8" (12.9270)				4										
5B	**585713**	LOCKNUT, 1/4-28									1					1
5B	**5149163**	NUT, 1/4"-28 LOCK							1		1					1
5B	**179812**	BOLT, 5/16"-18X1/2" (12.9001)				8				6			6	6	6	
		@ THRU TURBO SERIAL NUMBER 132, NOT SERVICED, REPLACE WITH 5198826 HOUSING AND INCLUDE 1-5198526 WHEEL.														
		* EFFECTIVE WITH SERIAL NUMBER 133.														
		3.5027 - BEARING, ROTOR ASSY. SHAFT														
5A	**5198930**	BEARING, THRUST (INBOARD) (3.5037)	1	1												
	5149460	BEARING KIT (TURBO)	2	1	1	2	1	1	1		1					1
	5199852	BEARING (3.5018)							1							
5B	**5149543**	BEARING, THRUST (3.5018)								1			1	1	1	
5B	**5149540**	BEARING (3.5018)								2			2	2	2	
5B	**8921765**	BEARING										1				
	8921761	BEARING, THRUST (3.5035)										1				
5A,B	**5198988**	SPACER	2	2	2		2	2	2		2		2			2
5A,B	**5198049**	RING, SNAP	3	3	3	3	3	3	3		3					3
	5149545	RING, RETAINING (3.5018)								4			4	4	4	
		3.5028 - SEAL, ROTOR ASSY. SHAFT OIL														
5A	**5198938**	RING, SEAL (PISTON TYPE)	1	1												
5B	**5197583**	RING, SEAL (PISTON RING TYPE)	1	2	1	2	2	2	2		2					2
5B	**5149154**	RING, SEAL (PISTON RING TYPE)							1		1					1
5B	**5149537**	RING, SEAL (PISTON RING TYPE)								1			1	1	1	
5B	**5149538**	RING, SEAL (PISTON RING TYPE) (3.5036)								1			1	1	1	
5B	**8921747**	RING, SEAL										1				
5B	**8921757**	RING, SEAL										1				
		3.5029 - DEFLECTOR, ROTOR ASSY. SHAFT OIL														
	8921758	DEFLECTOR										1				
		3.5030 - ROTOR ASSY., TURBOCHARGER														
	5198829	ROTOR ASSY.			1	1										
		3.5033 - SHAFT ASSY., TURBOCHARGER ROTOR														
5A	**5198923**	* SHAFT ASSY., 4-53	1	1												
	5197326	@ * SHAFT ASSY., 6,8V53			1	1										
	5199021	* SHAFT ASSY., 6,8V53					1	1								
	5199608	SHAFT ASSY.							1							1
5B	**5149539**	SHAFT ASSY., 3-53								1			1	1	1	
5B	**8920956**	SHAFT ASSY., 6V53T									1					
	5149485	SHAFT ASSY., 4-53										1				

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		3.5033 - SHAFT ASSY., TURBOCHARGER ROTOR (CONT'D)														
		* INCLUDES INTEGRAL TURBINE WHEEL (NOT SOLD SEPARATELY).														
		@ OBSOLETE.														
		3.5034 - COLLAR, TURBOCHARGER ROTOR THRUST														
5A	**5198924**	COLLAR	1	1												
5B	**5197325**	COLLAR			1	1	1	1	1		1		1	1	1	1
5B	**5149547**	COLLAR								1						
5B	**5149479**	SLEEVE, THRUST										1				
	8921756	RING, SNAP										1				
	8921763	INSERT										1				
		3.5035 - SPACER, TURBOCHARGER ROTOR THRUST														
5A	**5198925**	SPACER	1	1												
	5197328	SPACER			1	1										
5B	**5199622**	SPACER					1	1	1		1					1
		3.5036 - WHEEL, TURBOCHARGER COMPRESSOR														
5A	**5198926**	WHEEL, 4-53	1	1												
5B	**5149541**	WHEEL, 4-53								1						
	5198527	WHEEL, 6.8V53			1	1										
5A	**5197324**	# WHEEL, 6V53				1										
5A	**5198526**	@ WHEEL, 6V53				1										
	5199023	WHEEL, 6.8V53					1	1								
	5149166	WHEEL							1							1
5B	**5149487**	WHEEL, 4-53										1				
5B	**5149629**	WHEEL, 3-53											1		1	
5B	**8921420**	WHEEL, 6V53T									1					
5B	**8920901**	WHEEL, 6V53												1		
5A	**5199557**	NUT, 5/16"-24 LOCK	1	1							1					
5A	**5198579**	NUT, 3/8"-24 LOCK			1	1	1	1	1							1
5B	**5149548**	NUT, 1/4"-28								1			1	1	1	
5B	**8921752**	NUT, 5/16"-24										1				
		# THRU TURBO SERIAL NUMBER 132; NOT SERVICED, USE 5198619 KIT (3.5036).														
		@ EFFECTIVE WITH SERIAL NUMBER 133.														

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G
		3.5001 - TURBOCHARGER							
	8924252	TURBOCHARGER ASSY., 6V53 TV7301 1.08 A/R	1						
	8925133	* TURBOCHARGER ASSY., 3-53 TO4B08		1					
	8925134	* TURBOCHARGER ASSY., 4-53 TO4B98			1				
	8926100	* TURBOCHARGER ASSY., 3-53 TO4E02 .68 A/R				1			
	8926101	* TURBOCHARGER ASSY., 4-53 TO 4E03 .81 A/R					1		
	8926099	TURBOCHARGER ASSY., 6V53 TV6302 1.05 A/R						1	
	8927030	TURBOCHARGER ASSY., 6V53 TV7511 .96 A/R							1
	173639	SCREW, 1/4" DRIVE (12.9067)	2					2	2
		* COMPONENT PARTS OF ASSY. ARE NOT CURRENTLY AVAILABLE FOR SERVICE.							
		3.5003 - HOUSING, TURBOCHARGER TURBINE							
5B	**8925754**	HOUSING	1						
5B	**23501566**	HOUSING						1	
5B	**23501283**	HOUSING							1
5B	**5149162**	CLAMP, INDEXING V BAND	1					1	1
5B	**5149163**	LOCKNUT, 1/4"-28							1
		3.5018 - HOUSING ASSY., TURBOCHARGER INTERMEDIATE							
		A HOUSING ASSY. INCLUDES ITEMS IN 3.5018 AND 3.5027 THRU 3.5036.							
	8925741	HOUSING ASSY., 6V53	1						
	23501547	HOUSING ASSY., 6V53						1	
	23501286	HOUSING ASSY., 6V53							1
5B	**8925742**	HOUSING, 6V53	1					1	1
5B	**5149173**	SHROUD, WHEEL	1						1
5B	**5198929**	SHROUD, WHEEL						1	
	8925746	BACK PLATE	1						1
5B	**23501549**	BACK PLATE						1	
5B	**5198936**	RING, SEAL	1					1	1
	8925748	BEARING, OUTBOARD THRUST TURBO	1					1	1
	8925747	SCREW, DRIVE	3						
	23501548	SCREW, DRIVE						3	3
5B	**8925750**	BOLT, 1/4"-20X1"	4					4	4
		3.5022 - HOUSING, TURBOCHARGER COMPRESSOR							
5B	**8925753**	HOUSING	1						
5B	**23501565**	HOUSING						1	
5B	**23501514**	HOUSING							1
5B	**8920963**	CLAMP, INDEXING V BAND	1						1
5B	**8921423**	CLAMP, INDEXING V BAND						1	
5B	**5149163**	LOCKNUT, 1/4"-28							1
		3.5027 - BEARING, ROTOR ASSY. SHAFT							
5B	**8925744**	BEARING	2					2	2
5B	**5198988**	SPACER	2					2	2
5B	**5198049**	RING, SNAP	3					3	3

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3.5000A TURBOCHARGER, INTERCOOLER AND AFTERCOOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G
		3.5028 - SEAL, ROTOR ASSY. SHAFT OIL							
	5149154	RING, SEAL (PISTON RING TYPE)	1					1	1
	5197583	RING, SEAL (PISTON RING TYPE)	2					2	2
		3.5033 - SHAFT ASSY., TURBOCHARGER ROTOR							
5B	**8925743**	SHAFT ASSY.	1						1
5B	**23501522**	SHAFT ASSY.						1	
		3.5034 - COLLAR, TURBOCHARGER ROTOR THRUST							
5B	**8925751**	COLLAR	1					1	1
		3.5035 - SPACER, TURBOCHARGER ROTOR THRUST							
5B	**8925749**	SPACER	1					1	1
		3.5036 - WHEEL, TURBOCHARGER COMPRESSOR							
5B	**8925745**	WHEEL, 6V53	1						
5B	**23501564**	WHEEL, 6V53						1	
5B	**23501285**	WHEEL, 6V53							1
5B	**8925752**	NUT, LOCK	1						1
5B	**23501292**	NUT, LOCK						1	

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

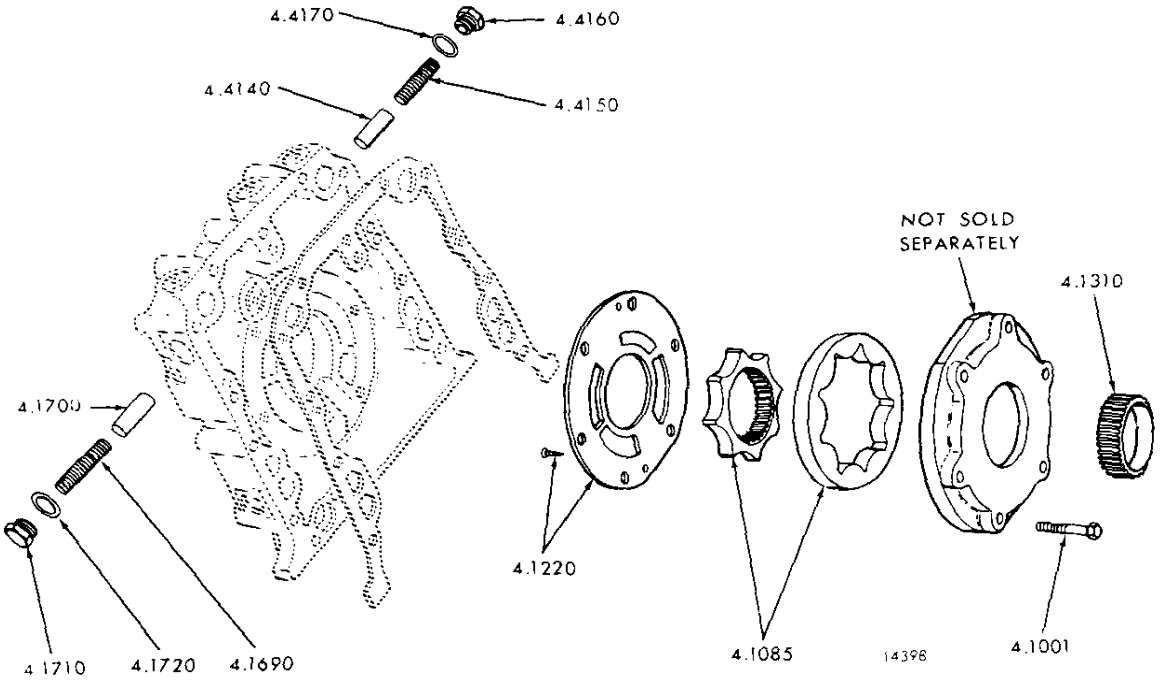


FIG. 1A OIL PUMP AND PRESSURE REGULATOR (In-Line Models)

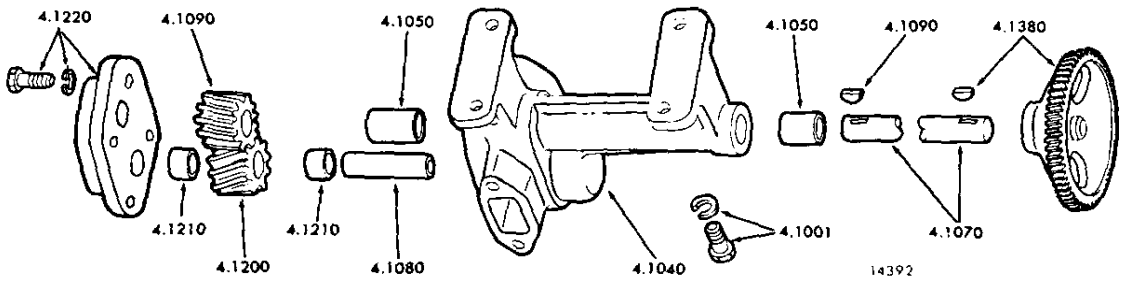


FIG. 1B OIL PUMP (8V)

Figs. 1A & 1B of 4.0000

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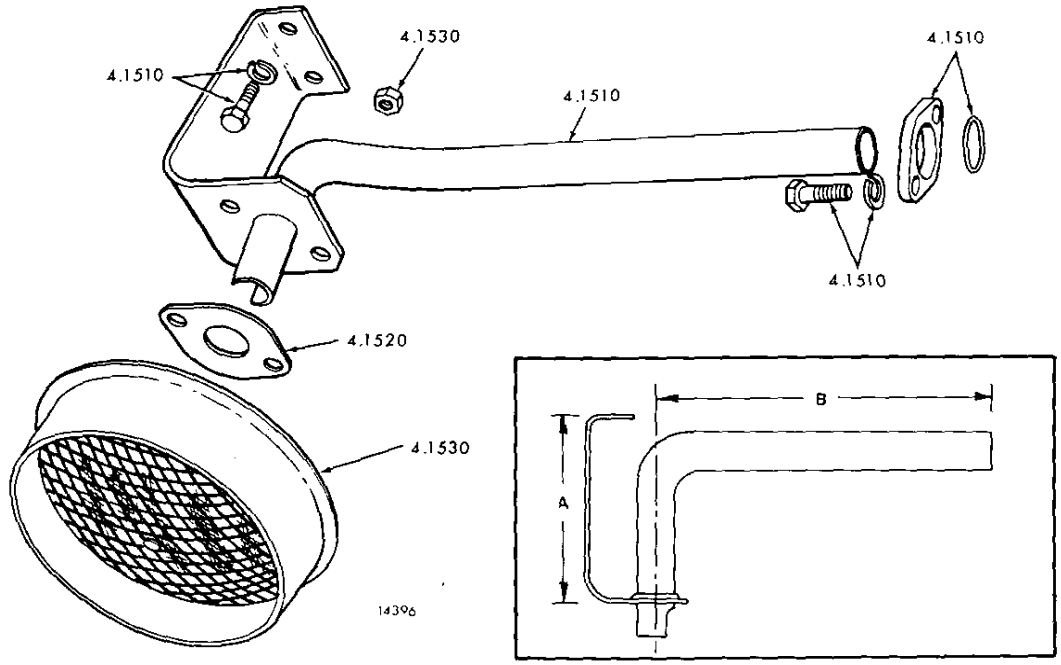


FIG. 2A OIL DISTRIBUTION SYSTEM

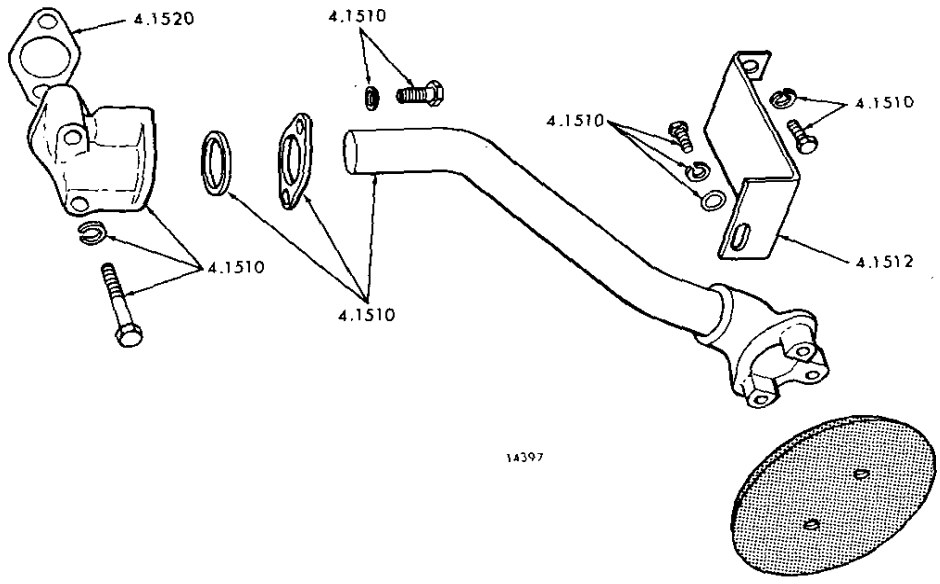


FIG. 2B OIL DISTRIBUTION SYSTEM (8V)

Figs. 2A & 2B of 4.0000

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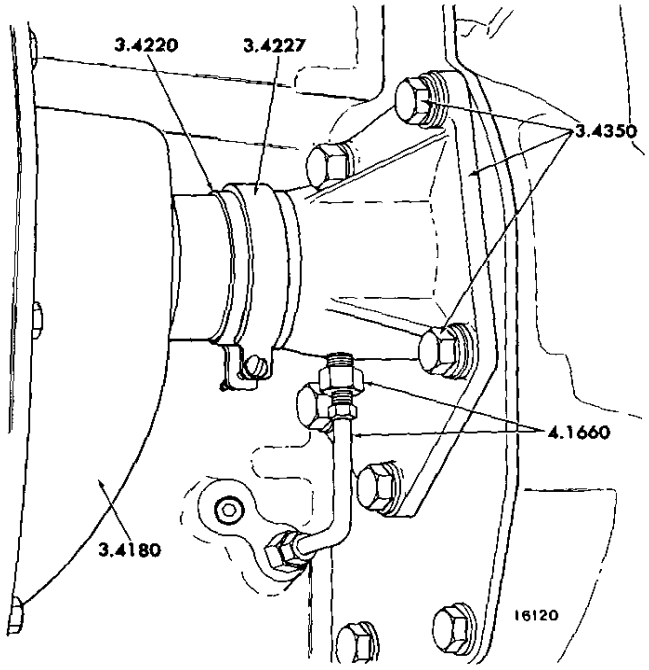
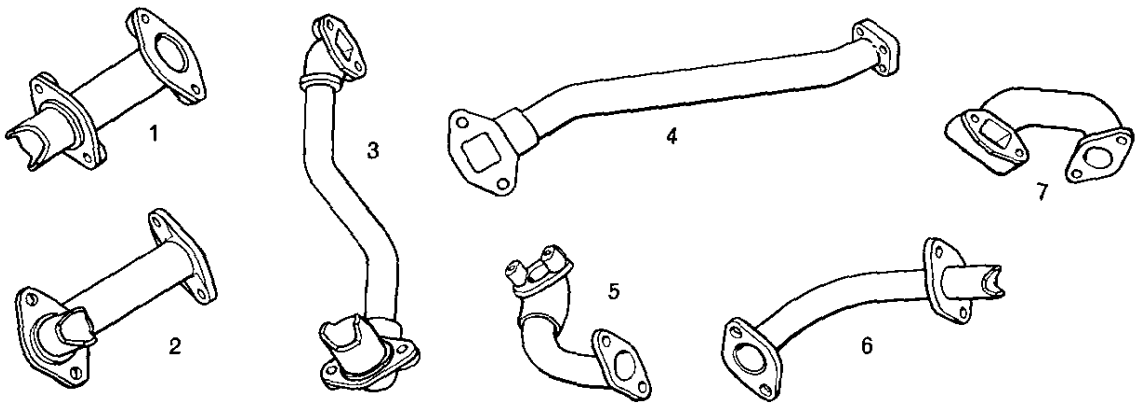


FIG. 2C OIL DISTRIBUTION SYSTEM



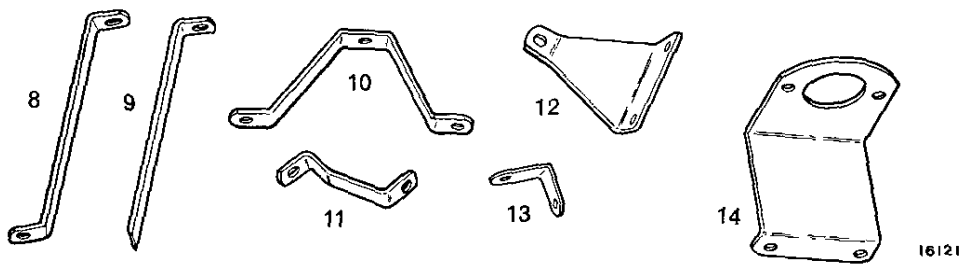


FIG. 2D OIL INLET PIPES

Figs. 2C & 2D of 4.0000

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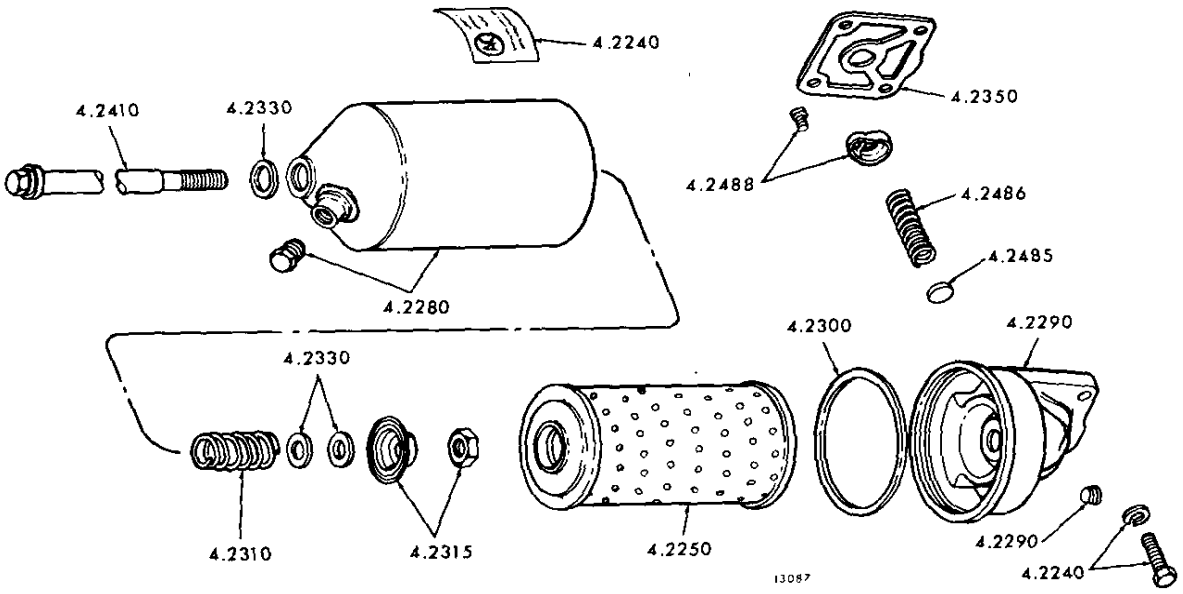


FIG. 3A OIL FILTER

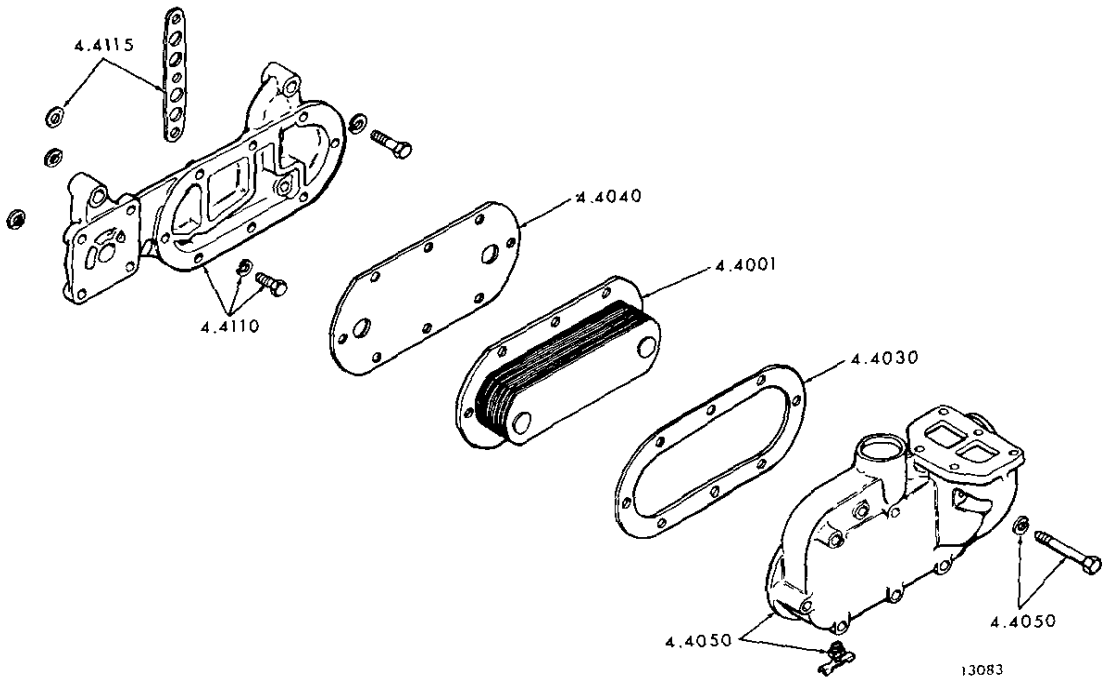


FIG. 4A OIL COOLER

Figs. 3A & 4A of 4.0000

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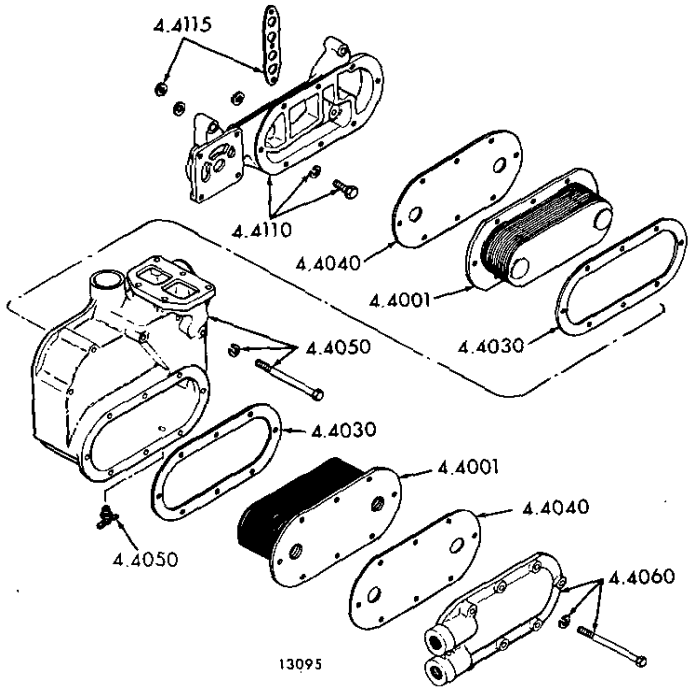


FIG. 4B TORQUE CONVERTER OIL COOLER

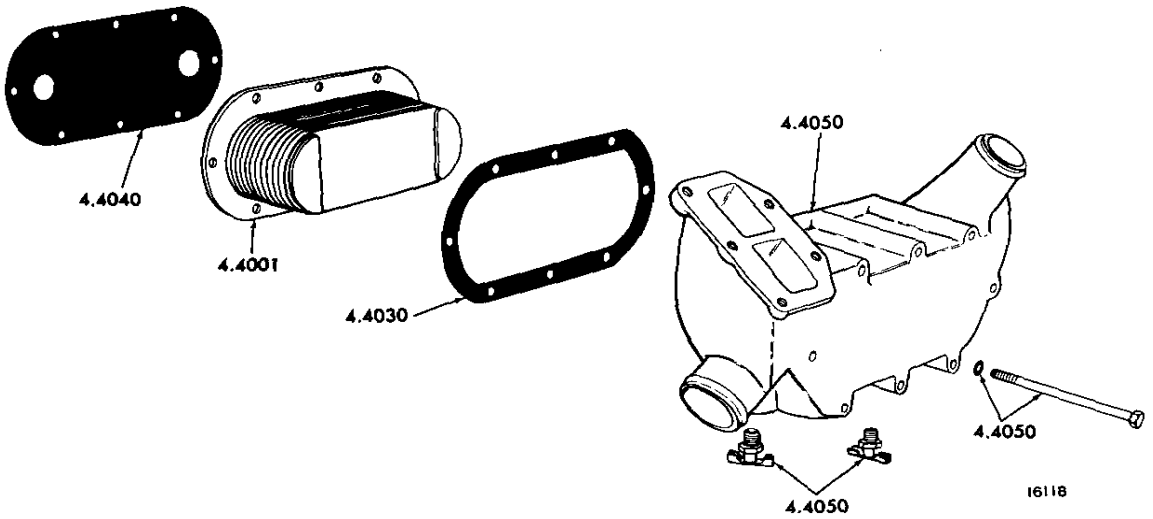


FIG. 4C OIL COOLER

Figs. 4B & 4C of 4.0000

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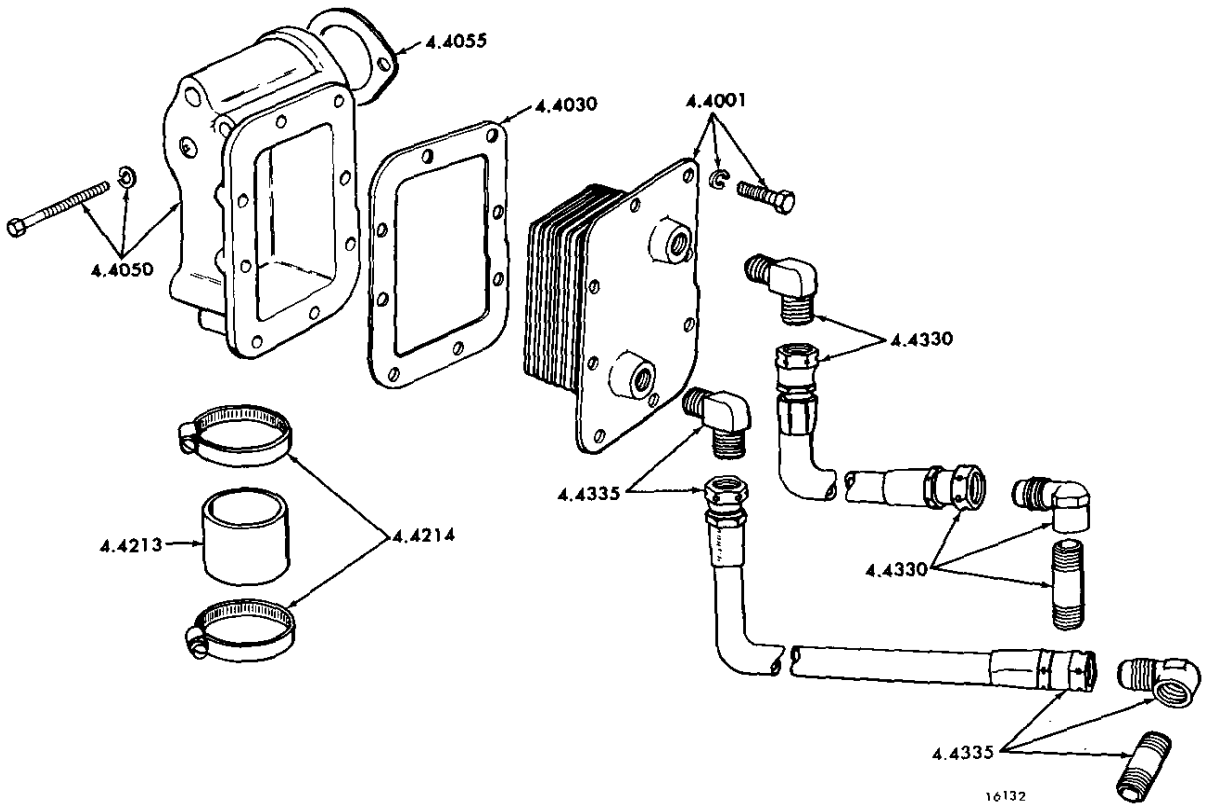


FIG. 4D MARINE GEAR OIL COOLER

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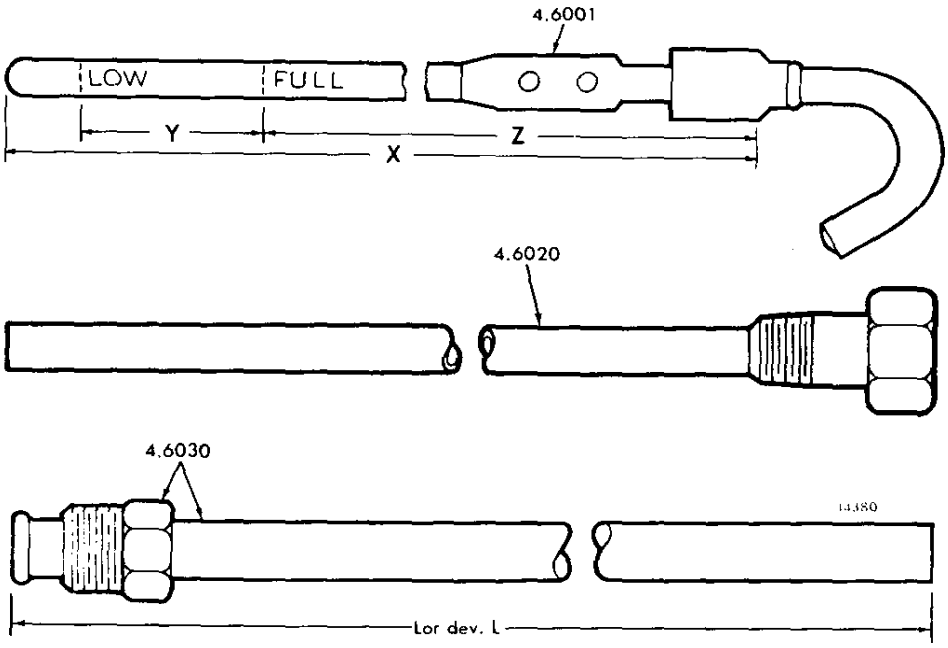


FIG. 6A DIPSTICK

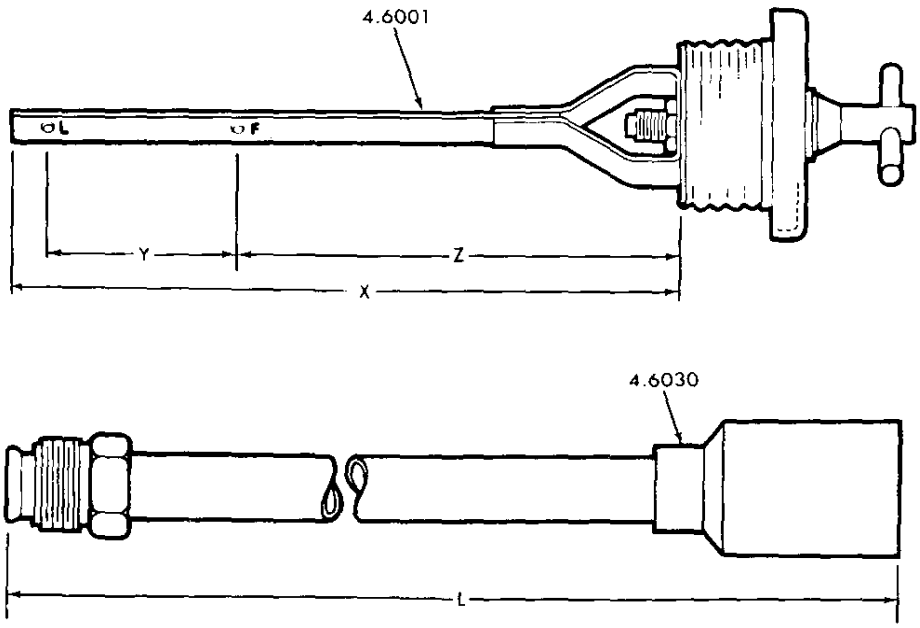


FIG. 6B DIPSTICK

Figs. 6A & 6B of 4.0000

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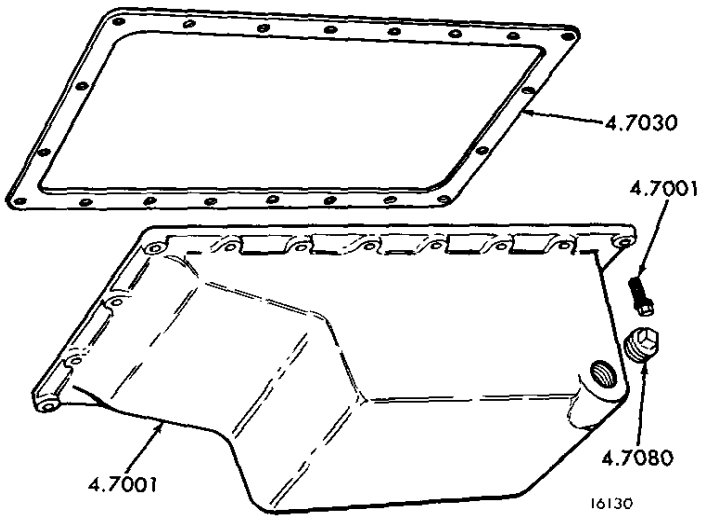


FIG. 7A OIL PAN (CAST)

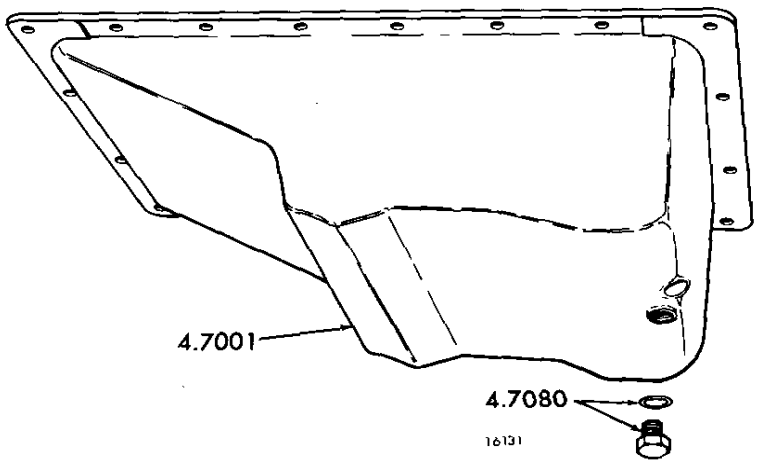


FIG. 7B OIL PAN (STAMPED)

Figs. 7A & 7B of 4.0000

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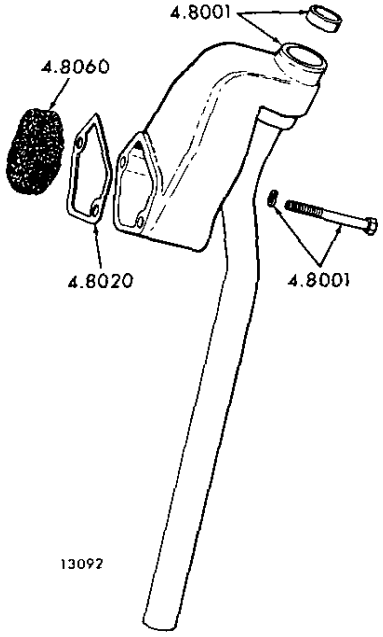


FIG. 8A BREATHER

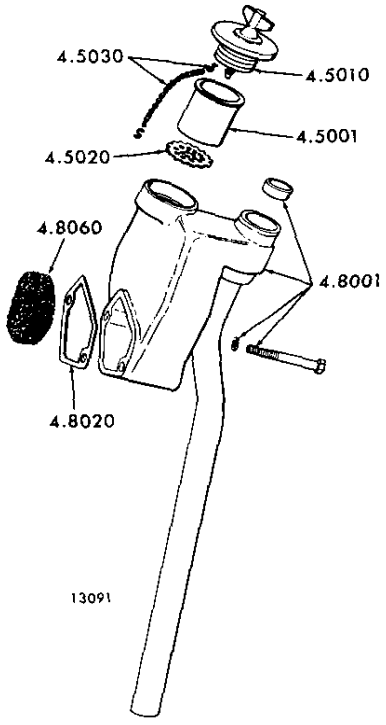


FIG. 8B BREATHER AND OIL FILLER

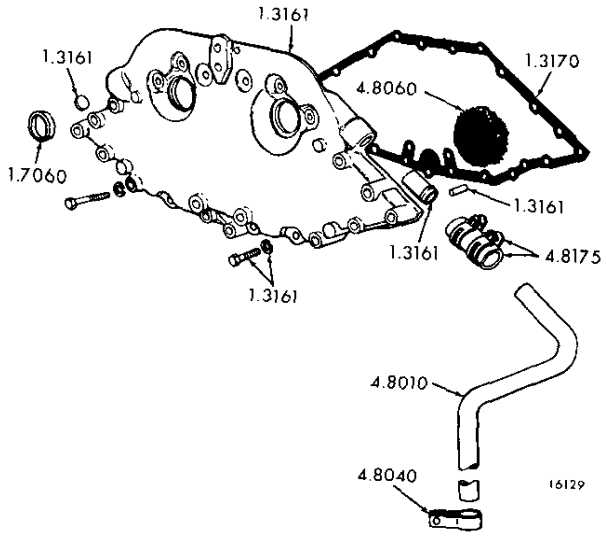


FIG. 8C BREATHER (6V)

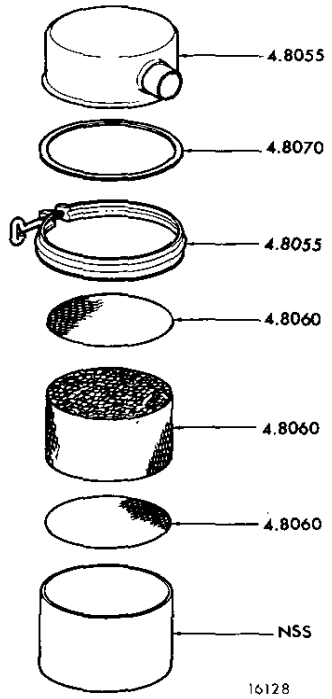


FIG. 8D BREATHER ASSEMBLY

Figs. 8A, 8B, 8C & 8D of 4.0000

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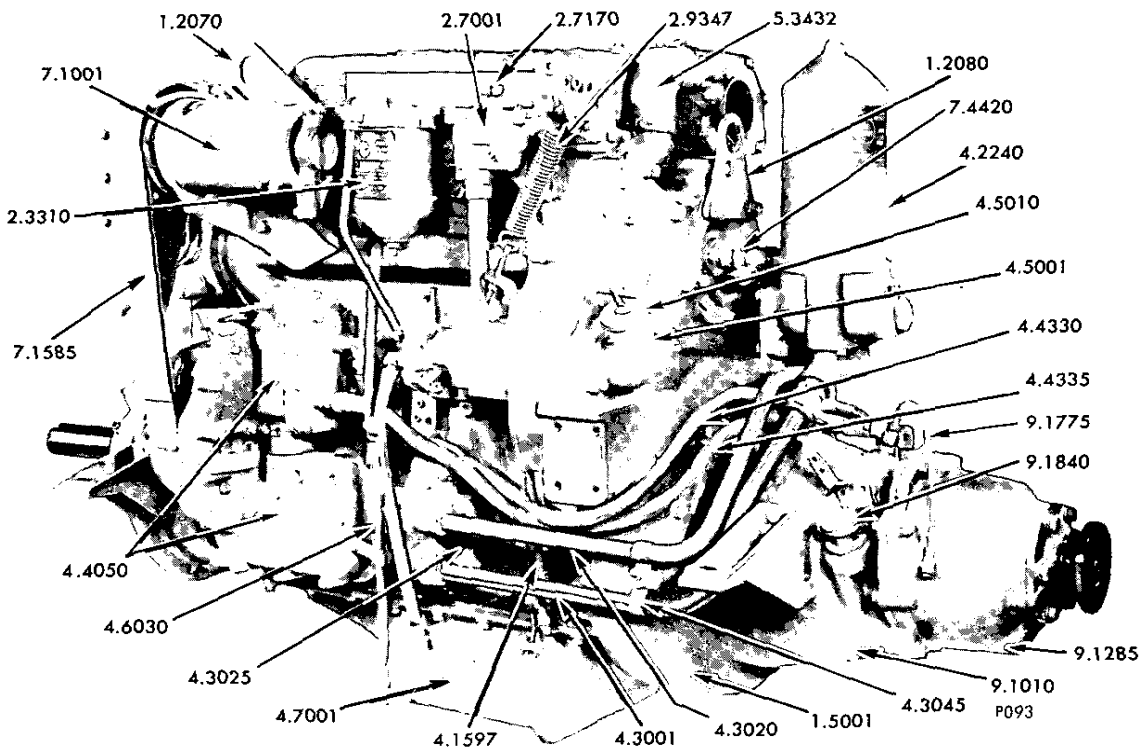


FIG. 10A OIL COOLER AND LINES (In-Line Engine)

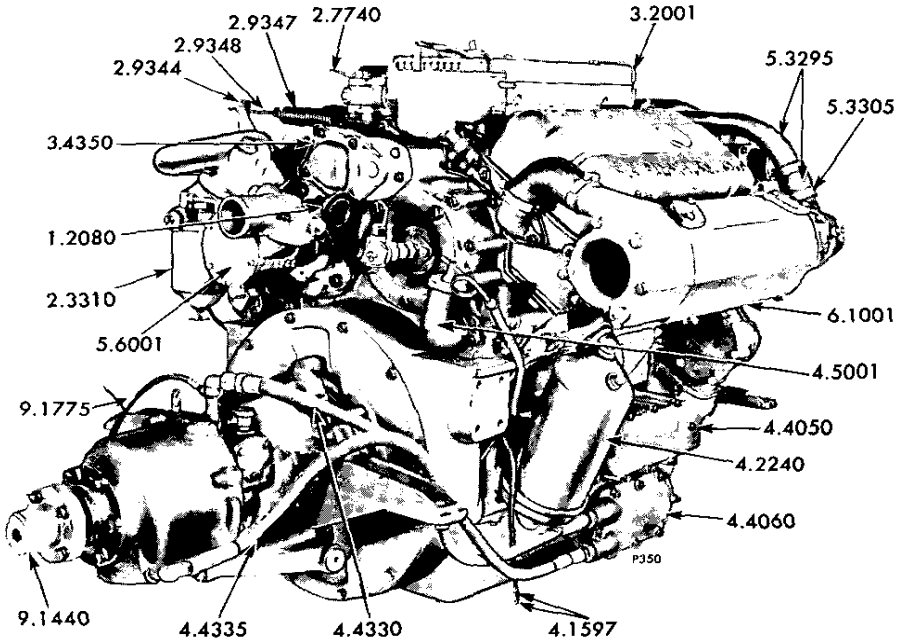


FIG. 10B OIL COOLER AND LINES (V-Engine)

Figs. 10A & 10B of 4.0000

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4.1000A OIL PUMP

MG	PART NUMBER	NAME AND DESCRIPTION	TYPES 48	49	50	51	52	53	78	79	83	98	106	112
		4.1001 - PUMP ASSY., OIL												
		INCLUDES ITEMS IN 4.1085 THRU 4.1220 AND 4.1310.												
	5135032	PUMP ASSY., 2-53	1					1						
	5116110	PUMP ASSY., 3-53		1										
	5121042	PUMP ASSY., 4-53			1		1							
	5116070	PUMP ASSY., 6V-53				1								
	5132793	& PUMP ASSY., 8V-53							1					
	5134325	& PUMP ASSY., 8V-53								1				
	5135769	& PUMP ASSY., 8V-53									1			
	5135295	PUMP ASSY., 8V-53 (SCAVENGING)										1		
	5142731	PUMP ASSY., 3-53											1	
	5142015	PUMP ASSY., 8V-53												1
1A	**179822**	BOLT, 5/16"-18X1 1/2" (12.9001)	6		6									
1A	**193942**	BOLT, 5/16"-18X1 5/8" (AA LOCK) (12.9001)		6			6	6						
1A	**179826**	BOLT, 5/16"-18X2" (12.9001)				6								
	179839	BOLT, 3/8"-16X1" (12.9001)									4	4		4
1B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)							4	4				
1A	**272473**	BOLT, 3/8"-16X3 7/8" (12.9001)											11	
	103341	WASHER, 3/8" (12.9190)											11	
1A	**103320**	LOCKWASHER, 5/16" (12.9200)	6		6	6								
1B	**103321**	LOCKWASHER, 3/8" (12.9200)							4	4	4	4	11	4
		& NOT SERVICED; USE COMPONENTS. FOR COMPLETE REPLACEMENT USE HIGH CAPACITY PUMP 5141393 AND CHANGE OUT MAIN BEARINGS WITH 5198410.												
		4.1003 - OVERHAUL KIT, OIL PUMP												
	5198320	OVERHAUL KIT, 8V-53							AR	AR				
		4.1007 - GASKET, OIL PUMP TO CYLINDER BLOCK												
	5116386	GASKET											1	
	5115454	SEAL (OIL) (1.3040)											1	
		4.1030 - SHIM, OIL PUMP												
	5132921	SHIM (.005")							AR	AR	AR	AR		AR
		4.1040 - BODY, OIL PUMP												
		INCLUDES ITEMS IN 4.1050 AND 4.1080.												
1B	**5132787**	% BODY ASSY.							1	1				
1B	**5135767**	# BODY ASSY. (5141391)									1			
1B	**5135296**	BODY ASSY. (SCAVENGING)										1		
	5153122	* BODY ASSY. (SCAVENGING)										1		1
1B	**5141537**	BODY ASSY.												1
	179830	BOLT, 5/16"-18X3" (12.9001)										4		4
	103320	LOCKWASHER, 5/16" (12.9200)										4		4
		% OBSOLETE.												
		# NOT SERVICED; USE BODY ASSY. SHOWN IN PARENTHESES AND INCLUDE (1) 5153260 AND (1) 5153617 DRIVEN GEARS.												
		* INCLUDES (1) 5153154 BUSHING.												

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 48	49	50	51	52	53	78	79	83	98	106	112
		4.1050 - BUSHING, OIL PUMP BODY												
1B	5153147	BUSHING							2	2	2	2		2
		4.1060 - SPACER, OIL PUMP BODY												
	5153257	SPACER										1		1
		4.1070 - SHAFT, OIL PUMP DRIVE												
1B	5132730	SHAFT, 8V-53							1	1	1			
1B	5153309	SHAFT, 8V-53										1		1
1B	5153258	SHAFT, 8V-53												
		4.1080 - SHAFT, OIL PUMP DRIVEN GEAR												
1B	5153310	SHAFT, 8V-53							1	1				
1B	5153146	SHAFT, 8V-53										1		1
1B	5134870	SHAFT, 8V-53									1			
		4.1085 - ROTOR ASSY., OIL PUMP												
		A ROTOR SET INCLUDES INNER AND OUTER ROTORS WHICH ARE NOT SOLD SEPARATELY.												
1A	5134968	ROTOR SET, 2-53	1					1						
1A	5195714	ROTOR SET, 3-53		1										
1A	5195957	ROTOR SET, 4-53			1		1							
1A	5195687	ROTOR SET, 6V-53				1								
		4.1090 - GEAR, OIL PUMP DRIVE												
	5142917	GEAR											2	
1B	5132729	GEAR							1	1				
1B	5135929	GEAR									1	1		
	5153260	GEAR										1		2
1B	103905	KEY, 1/8"X5/8" WOODRUFF (12.9350)							1	1	1	3		3
		4.1200 - GEAR, OIL PUMP DRIVEN												
		GEAR ASSY. INCLUDES ITEM IN 4.1210.												
	5142919	GEAR											2	
1B	5132770	GEAR ASSY.							1	1	1	1		
	5153617	GEAR ASSY. (SCAVENGING)										1		2
		4.1210 - BUSHING, OIL PUMP DRIVEN GEAR												
1B	5166840	BUSHING							2	2	2	2		
	5153154	BUSHING (SCAVENGING)										2		4
		4.1220 - COVER, OIL PUMP												
	5142609	COVER											1	
	5142730	COVER											1	
1A	5195685	COVER	1	1	1	1	1	1						
1B	5132769	COVER							1					

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 48	49	50	51	52	53	78	79	83	98	106	112
		4.1220 - COVER, OIL PUMP (CONT'D)												
1B	5134324	COVER								1				
1A	5153299	COVER ASSY. (INCLUDES BUSHING IN 4.1240)									1			
1A	145067	SCREW, #6X3/8" DRIVE (12.9067)	2	2	2	2	2	2						
1B	186625	BOLT, 5/16"-18X7/8" (12.9001)							4	4				
1B	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									4			
1A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)											1	
1B	179844	BOLT, 3/8"-16X1 5/8" (12.9001)											3	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)											6	
	120393	WASHER, 5/16" (12.9190)											1	
	103341	WASHER, 3/8" (12.9190)											1	
1B	103320	LOCKWASHER, 5/16" (12.9200)							4	4	4			
1B	103321	LOCKWASHER, 3/8" (12.9200)											3	
		4.1227 - PLATE, ENGINE FRONT COVER												
	5142711	PLATE											1	
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
	5131740	BOLT, 3/8"-16X1 1/2" (2.2001)											1	
	103341	WASHER, 3/8" (12.9190)											1	
		4.1230 - GASKET, OIL PUMP COVER												
	5138991	SEAL (LOWER COVER)											1	
	5142712	GASKET (COVER PLATE)											1	
		4.1240 - BUSHING, OIL PUMP COVER												
	5153154	BUSHING (4.1210)									1			
		4.1250 - VALVE, OIL PUMP RELIEF												
	5177777	VALVE (4.4140)											2	
		4.1260 - SPRING, OIL PUMP RELIEF VALVE												
	5126436	SPRING (4.1690)											2	
		4.1270 - PLUG, OIL PUMP RELIEF VALVE												
	5113657	PLUG (4.1710)											2	
		4.1280 - GASKET, OIL PUMP RELIEF VALVE												
	5177773	GASKET (4.4170)											2	
		4.1310 - GEAR, OIL PUMP DRIVE-ON CRANKSHAFT												
1A	8921172	GEAR	1	1	1	1	1	1						
1A	5142713	GEAR											1	

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 48	49	50	51	52	53	78	79	83	98	106	112
		4.1380 - GEAR, OIL PUMP DRIVE-ON PUMP												
1B	**5132637**	GEAR							1	1	1	1		1
1B	**103905**	KEY, 1/8"X5/8" WOODRUFF (12.9350)							1	1	1	1		1

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4.1000A OIL PUMP

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	143	145	158	162	163	164	165	166	167	168	169	170
		4.1001 - PUMP ASSY., OIL													
		A PUMP ASSY. INCLUDES ITEMS IN 4.1040 THRU 4.1220 AND 4.1380.													
	5104714	PUMP ASSY.,6V53			1	1									
	5141393	PUMP ASSY.,8V53	1												
	5103847	PUMP ASSY., 4-53		1			1								
	5116070	PUMP ASSY., 6V53						1	1	1					
	5116110	PUMP ASSY., 3-53									1	1	1	1	
	5121042	PUMP ASSY., 3 & 4-53													1
	193942	BOLT, 5/16" LOCK (12.9001)		6			6				6	6	6	6	6
	193268	BOLT, 5/16"-18X2" (12.9001)			6	6									
	179826	BOLT, 5/16"-18X2" (12.9001)						6	6	6					
	179839	BOLT, 3/8"-16X1" (12.9001)	4												
	103320	LOCKWASHER, 5/16" (12.9200)						6	6	6					
1B	**103321**	LOCKWASHER, 3/8" (12.9200)	4												
		4.1030 - SHIM, OIL PUMP													
	5132921	SHIM (.005")	AR												
		4.1040 - BODY, OIL PUMP													
1B	**5141391**	BODY ASSY.	1												
	5104550	BODY ASSY., 6V53			1	1									
	5103962	BODY, 6V53		1			1								
		4.1050 - BUSHING, OIL PUMP BODY													
	5153147	BUSHING	2												
		4.1070 - SHAFT, OIL PUMP DRIVE													
1B	**5153309**	SHAFT	1												
		4.1080 - SHAFT, OIL PUMP DRIVEN GEAR													
1B	**5134870**	SHAFT	1												
		4.1085 - ROTOR ASSY., OIL PUMP													
	5106428	ROTOR ASSY., 6V53			1	1									
	5103900	ROTOR ASSY., 4-53		1			1								
1A	**5195687**	ROTOR ASSY., 6V53						1	1	1					
	5195714	ROTOR ASSY., 3-53									1	1	1	1	
	5195957	ROTOR ASSY., 3 & 4-53													1
		4.1090 - GEAR, OIL PUMP DRIVE													
	5153260	GEAR (SCAVENGING)	1												
1B	**103905**	KEY, 1/8"X5/8" WOODRUFF (12.9350)	1												

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	143	145	158	162	163	164	165	166	167	168	169	170
		4.1200 - GEAR, OIL PUMP DRIVEN													
		GEAR ASSY. INCLUDES ITEM IN 4.1210.													
	5153617	GEAR ASSY. (SCAVENGING)	1												
		4.1210 - BUSHING, OIL PUMP DRIVEN GEAR													
	5153154	BUSHING (SCAVENGING)	2												
		4.1218 - COVER, ENGINE FRONT - LOWER													
		A LOWER COVER ASSY. INCLUDES ITEMS IN 4.1690 THRU 4.1720.													
	5136274	COVER ASSY. (1.3162)				1		1							
	5103834	COVER ASSY. (1.3162)					1								
	5138830	COVER ASSY. (1.3162)							1						
	5109946	COVER ASSY. (1.3162)								1					
	5197415	COVER ASSY. (1.3162)									1	1	1	1	1
	5119426	FLANGE (5.2120)							1	1					
	5126473	GASKET (4.1520)							1	1					
	8924380	PLUG, 1/8" PIPE (12.9550)					1		1		1	1	1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)				1		1	1		1	1	1	1	1
	8923916	PLUG, 1/2" PIPE (12.9550)					7				7	7	7	7	7
	5146648	PLUG, 1/2" PIPE (1.3162)				4		4	4						
	5173334	PLUG, 1/2" PIPE (12.9550)								2					
	5139988	PLUG, 1" CUP (1.1001)							1						
	138222	SCREW, 5/16"-18X1" (12.9027)							2	2					
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)				4		4	4	4					
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)					11				11	11	11	11	11
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				4		4	4	4					
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)				4		4	4	4					
	103341	WASHER, 3/8" (12.9190)							12	12					
	103320	LOCKWASHER, 5/16" (12.9200)							2	2					
	103321	LOCKWASHER, 3/8" (12.9200)				12	11	12	12	12	11	11	11	11	11
		4.1219 - BEARING, CRANKSHAFT FRONT SUPPORT													
	5136097	BEARING (1.3165)							1						
		4.1220 - COVER, OIL PUMP													
1A	5153299	COVER ASSY. (INCLUDES BUSHING IN 4.1240)	1												
1A	5195685	COVER, 6V53		1	1	1	1	1	1	1	1	1	1	1	1
1A	145067	SCREW, #6X3/8" DRIVE (12.9067)		2	2	2	2	2	2	2	2	2	2	2	2
1B	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	4												
1B	103320	LOCKWASHER, 5/16" (12.9200)	4												
		4.1229 - GASKET, CRANKSHAFT FRONT COVER													
	5116386	GASKET (1.3170)					1				1	1	1	1	1
	5119368	GASKET (1.3170)				1		1	1	1					
		4.1240 - BUSHING, OIL PUMP COVER													
	5153154	BUSHING (4.1210)	1												

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4.1000A OIL PUMP

	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	143	145	158	162	163	164	165	166	167	168	169	170
	4.1310 - GEAR, OIL PUMP DRIVE-ON CRANKSHAFT														
	8921172	GEAR, 4-53		1			1	1	1	1	1	1	1	1	1
	8924606	GEAR, 6V53			1	1									
	4.1380 - GEAR, OIL PUMP DRIVE-ON PUMP														
1B	**5132637**	GEAR	1												
1B	**103905**	KEY, 1/8"X5/8" WOODRUFF (12.9350)	1												

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4.1000A OIL PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 171	172	173	174	181	182
		4.1001 - PUMP ASSY., OIL						
		A PUMP ASSY. INCLUDES ITEMS IN 4.1040 THRU 4.1220 AND 4.1380.						
	5121042	PUMP ASSY., 4-53	1	1	1			
	5116070	PUMP ASSY., 6V53				1		
	8924710	* PUMP ASSY., MAIN AND SCAVENGING 6V53					1	
	5104714	PUMP ASSY., 6V53						1
	193942	BOLT, 5/16"-18X1 5/8" (12.9001)	6	6	6			6
	179826	BOLT, 5/16"-18X2" (12.9001)				6		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)					2	
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)					8	
	103341	WASHER, 3/8" (12.9190)					10	
	103320	LOCKWASHER, 5/16" (12.9200)				6		
	103321	LOCKWASHER, 3/8" (12.9200)					10	
		* NOT SERVICED, USE COMPONENTS.						
		4.1040 - BODY, OIL PUMP						
	5104550	BODY						1
		4.1060 - SPACER, OIL PUMP BODY						
	8925145	SPACER					1	
		4.1085 - ROTOR ASSY., OIL PUMP						
	5195957	ROTOR ASSY., 4-53	1	1	1			
	5195687	ROTOR ASSY., 6V53				1		
	5106428	ROTOR ASSY., 6V53						1
		4.1090 - GEAR, OIL PUMP DRIVE						
	8925143	GEAR, MAIN					1	
	5103173	GEAR, SCAVENGING					1	
		4.1200 - GEAR, OIL PUMP DRIVEN						
		A GEAR ASSY. INCLUDES BUSHING IN 4.1210.						
	5103171	GEAR ASSY., SCAVENGING					1	
	8925144	GEAR ASSY., MAIN					1	
		4.1210 - BUSHING, OIL PUMP DRIVEN GEAR						
	5103174	BUSHING					2	
		4.1218 - COVER, ENGINE FRONT-LOWER						
		A LOWER COVER ASSY. INCLUDES ITEMS IN 4.1690 THRU 4.1720.						
	5197415	COVER ASSY. (1.3162)	1	1	1			
	5136274	COVER ASSY. (1.3162)				1		
	5138830	COVER ASSY. (1.3162)						1
	8924380	PLUG, 1/8" PIPE (12.9550)	1	1	1			

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4.1000A OIL PUMP

PART NUMBER	NAME AND DESCRIPTION	TYPES 171	172	173	174	181	182
	4.1218 - COVER, ENGINE FRONT-LOWER (CONT'D)						
8925142	COVER					1	
5119426	FLANGE (5.2120)						1
5126473	GASKET (4.1520)						1
5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1	1		
8924517	PLUG, 3/8" PIPE (12.9550)						1
8923916	PLUG, 1/2" PIPE (12.9550)	7	7	7			
5146648	PLUG, 1/2" PIPE (1.3162)				4		4
5139988	PLUG, 1" CUP (1.1001)						1
138222	SCREW, 5/16"-18X1" (12.9027)						2
108608	BOLT, 3/8"-16X2 1/8" (12.9001)					4	
427588	BOLT, 3/8"-16X2 1/2" (12.9001)				4		4
186282	BOLT, 3/8"-16X3 1/4" (12.9001)	11	11	11			
186283	BOLT, 3/8"-16X3 1/2" (12.9001)				4		4
272429	BOLT, 3/8"-16X4 1/8" (12.9001)				4		4
103341	WASHER, 3/8" (12.9190)					4	12
5150568	WASHER, 7/16"X3/4" COPPER (2.4050)					4	
103320	LOCKWASHER, 5/16" (12.9200)						2
103321	LOCKWASHER, 3/8" (12.9200)	11	11	11	12		12
	4.1220 - COVER, OIL PUMP						
5195685	COVER, 4, 6V53	1	1	1	1		
8925146	COVER ASSY., 6V53					1	
145067	SCREW, #6X3/8" DRIVE (12.9067)	2	2	2	2		2
141212	PIN, 5/16"X5/16" DOWEL (12.9290)					1	
141247	PIN, 3/8"X1 3/8" DOWEL (12.9290)					2	
	4.1229 - GASKET, CRANKSHAFT FRONT COVER						
5116386	GASKET (1.3170)	1	1	1			
5119368	GASKET (1.3170)				1		1
	4.1230 - GASKET, OIL PUMP COVER						
5138991	SEAL (LOWER COVER)					2	
	4.1310 - GEAR, OIL PUMP DRIVE-ON CRANKSHAFT						
8921172	GEAR, 4, 6V53	1	1	1	1		1
5136796	GEAR, 6V53					1	
	4.1240 - BUSHING, OIL PUMP COVER						
5136097	BUSHING, CRANKSHAFT OUTBOARD						1

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 166	169	170	173	174	185	186	187	188	192	194	195
		4.1510 - PIPE, OIL PUMP INLET												
2A	**5125949**	PIPE, 4-53 (A-5.12",B-15.48")	1											
2A	**5121423**	PIPE, 3-53 (A-5.27", B-10.68")		1										
2A	**5121422**	+ PIPE 2-53 (A-5.27", B-5.28")			1									
2A	**5121214**	+ PIPE, 2-53 (A-3.25", B-7.80")				1								
2A	**5121425**	+ PIPE, 2-53 (A-7.77", B-5.28")					1							
2A	**5123937**	PIPE 3-53 (A-2.74", B-13.20")						1						
2A	**5123367**	+ PIPE, 3,4-53 (A-5.27", B-8.70")							1			1		
2A	**5123368**	+ PIPE 4-53 (A-5.27", B-19.50")								1				
2B	**5123476**	+ PIPE 3-53 (A-5.27", B-14.10")									1			
2B	**5125203**	+ PIPE, 4-53											1	
2A	**5125948**	+ PIPE 3-53 (A-5.12", B-11.16")												1
2A	**5119425**	FLANGE	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5127175**	SEAL RING	1	1	1	1	1	1	1	1	1	1	1	1
2A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	4	4	4	4	4	2	4	4	4	4	4	4
2A	**186625**	BOLT, 5/16"-18X7/8" (12.9001)						2						
	120393	WASHER, 5/16" (12.9190)		2	2	2	2					2	.	2
2A	**103320**	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		+ OBSOLETE.												
		4.1512 - SUPPORT, OIL PUMP INLET TUBE												
2B	**5125202**	SUPPORT (4.1540)											1	
	179835	BOLT, 3/8"-16X5/8" (12.9001)											2	
	103321	LOCKWASHER, 3/8" (12.9200)											2	
		4.1520 - GASKET, OIL PUMP INLET PIPE												
2A	**5175568**	GASKET (4.1672)	1				1	1	1	1	1	1		1
		4.1530 - SCREEN, OIL PUMP INLET												
2A	**5126456**	SCREEN ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
2A	**274558**	NUT, 5/16"-24 LOCK (12.7040)	2		2	2	2	2	2	2	2	2	2	2
2A	**214279**	NUT, 5/16"-24 LOCK (12.9120)		2										
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE												
10A,B	**5118781**	HOSE, 3/16"I.D.X11 3/16"L. (5.1003)						1	1	1	1	1		
	1508350	CONNECTOR, 1/8" RESTRICTED (7.4074)						1	1	1	1	1		
	443762	EXTENSION (1/8" PT. INT. AND EXT.) (12.9540)										1		
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL												
2C	**5119476**	TUBE ASSY., 4-53 (DEV. L. 7 1/8")	1							1		1	1	
2C	**8924170**	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1							1		1	1	

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4.1000B OIL DISTRIBUTION SYSTEM

	PART NUMBER	NAME AND DESCRIPTION	TYPES 166	169	170	173	174	185	186	187	188	192	194	195
	4.1660	**- PIPE, BLOWER DRIVE BEARING OIL (CONT'D)**												
2C	**8925032**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	1							1		1	1	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	199	200	207	208	209	210	211	212	213	216
		4.1510 - PIPE, OIL PUMP INLET											
2A	**5125949**	PIPE,4-53 (A-5.12",B-15.48")	1						1				
2B	**5128058**	PIPE, 6V53		1							1		
2A	**5126941**	PIPE, 3-53 (A-4.20",B-7.34")			1								
2A	**5126942**	+ PIPE, 3-53 (A-4.20",B-11.34")				1							
2A	**5126211**	PIPE,3-53 (A-5.12",B-14.00")					1						
2A	**5126212**	PIPE, 3-53 (A-5.12",B-7.52")						1					
2A	**5126213**	PIPE, 4-53 (A-5.12",B-10.08")								1			
2A	**5126659**	PIPE, 3,4-53 (A-6.24",B-12.74")										1	
2A	**5127982**	PIPE, 2-53 (A-5.28",B-10.35")											1
2A	**5119425**	FLANGE	1		1	1	1	1	1	1		1	1
2B	**5126454**	FLANGE		1							1		
2B	**5126453**	* ELBOW		1							1		
2A	**5127175**	SEAL RING	1		1	1	1	1	1	1		1	1
2B	**5126492**	SEAL RING		1							1		
2A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	4	3	4	4	4	4	4	4	5	4	4
2A	**186625**	BOLT, 5/16"-18X7/8" (12.9001)		2									
2B	**179826**	BOLT, 5/16"-18X2" (12.9001)		2							2		
2A	**120393**	WASHER, 5/16" (12.9190)	2	1			2	2	2		1	4	
2A	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ OBSOLETE.											
		* NOT SERVICED, USE 5138417 AND SD-161.											
		4.1512 - SUPPORT, OIL PUMP INLET TUBE											
2B	**5128060**	SUPPORT		1							1		
		4.1520 - GASKET, OIL PUMP INLET PIPE											
2A	**5175568**	GASKET (4.1672)			1	1			1	1			
2B	**5126473**	GASKET (ELBOW TO PUMP)		1							1		
		4.1530 - SCREEN, OIL PUMP INLET											
2A	**5126456**	SCREEN ASSY.	1		1	1	1	1	1	1		1	1
2B	**5155830**	SCREEN		1							1		
2B	**179789**	BOLT, 1/4"-20X3/8" (12.9001)		2							2		
2B	**120380**	LOCKWASHER, 1/4" (12.9200)		2							2		
2A	**274558**	NUT, 5/16"-24 LOCK (12.7040)			2	2		2	2	2			2
2A	**214279**	NUT, 5/16"-24 LOCK (12.9120)	2				2					2	
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE											
10A,B	**5118781**	HOSE, 3/16"I.D.X11 3/16"L. (5.1003)					1	1	1	1	1		
	1508350	CONNECTOR, 1/8" RESTRICTED (7.4074)					1	1	1	1	1		
	443762	EXTENSION, 1/8 PT. INT. AND EXT. (12.9540)							1				
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL											
2C	**5119476**	TUBE ASSY., 4-53 (DEV. L. 7 1/8")	1						1	1		1	
2C	**8924170**	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1						1	1		1	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196	199	200	207	208	209	210	211	212	213	216
	4.1660	***PIPE, BLOWER DRIVE BEARING OIL (CONT'D)***											
2C	**8925032**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	1						1	1		1	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	221	225	227	229	230	232	234	235	236	237	238
		4.1510 - PIPE, OIL PUMP INLET												
2D	**5108387**	+ PIPE (CAST IRON) (FIGURE 2)	1											
	5126494	+ PIPE (CAST IRON)		1										
2B	**5129885**	PIPE,6V53				1								
2B	**5109479**	PIPE,4-53						1						
2B	**5108378**	PIPE,6V53							1					
2B	**5109221**	PIPE,6V53								1				
2B	**5109169**	PIPE,6V53											1	
2B	**5162834**	PIPE,6V53												1
2A	**5100227**	+ PIPE, 4-53 (A-7.32",B-20.06")			1									
2A	**5126213**	PIPE, 4-53 (A-5.12",B-10.08")					1							
2A	**5126211**	* PIPE, 3-53 (A-5.12",B-14")									1			
2A	**5109978**	PIPE, 4-53 (A-9.42",B-13.96")										1		
2A	**5119425**	FLANGE			1		1	1			1	1		
2B	**5126454**	FLANGE				1			1	1			1	1
	5139475	+ = INLET	1	1										
2B	**5126453**	@ ELBOW				1			1	1			1	1
2A	**5127175**	SEAL RING			1		1	1			1	1		
2B	**5126492**	SEAL RING				1			1	1			1	1
2B	**186618**	BOLT, 5/16"-18X5/8" (12.9001)						1	3					
2A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	2	2	4	3	4	4		5	4	4		3
2B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)				2			2				5	2
2B	**179823**	BOLT, 5/16"-18X1 5/8" (12.9001)	2	2										
2B	**179826**	BOLT, 5/16"-18X2" (12.9001)				2			2	2			2	2
	120393	WASHER, 5/16" (12.9190)			4		4		AR			4		AR
2A	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	120376	NUT, 5/16"-18 (12.9140)											2	
		@ NOT SERVICED, USE 5138417 AND SD161.												
		+ OBSOLETE.												
		* INCLUDES SUPPORT 5125947 NOT SERVICED SEPARATELY.												
		= EFFECTIVE WITH 4D-27899 AND 3D-26968.												
		4.1512 - SUPPORT, OIL PUMP INLET TUBE												
	5126511	* SUPPORT, 6V53 (1.26" OFFSET)	1											
	5108223	@ SUPPORT, 3,4-53 (2.64" OFFSET)	1											
2B	**5126504**	SUPPORT,3,4-53		1										
2B	**5162916**	SUPPORT,6V53				1								
2B	**5109469**	SUPPORT,4-53						1						
2B	**5108356**	SUPPORT, 6V53 (4.1540)							1					
2B	**5109220**	SUPPORT, 6V53 (4.1540)								1				
2B	**5109171**	SUPPORT,6V53											1	
2B	**5162804**	SUPPORT,6V53												1
		* THRU 4D-3828.												
		@ EFFECTIVE WITH 4D-3829 AND USE WHENEVER REPLACING INLET PIPE.												

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 220	221	225	227	229	230	232	234	235	236	237	238
		4.1520 - GASKET, OIL PUMP INLET PIPE												
	5180273	GASKET,2,3,4-53	1	1										
2A	**5175568**	GASKET,2,3,4-53 (4.1672)			1		1	1				1		
2B	**5126473**	GASKET,6V53				1			1	1			1	1
		4.1530 - SCREEN, OIL PUMP INLET												
	5154457	# SCREEN	1	1										
2A	**5126456**	SCREEN ASSY.			1		1				1	1		
	5155830	& SCREEN	1	1		1		1	1	1			1	1
	5152385	SCREEN									1			
2B	**179789**	& BOLT, 1/4"-20X3/8" (12.9001)	2	2		2		2	2	2			2	2
2B	**180016**	BOLT, 1/4"-20X1/2" (12.9001)						2						
2B	**120392**	WASHER, 1/4" (12.9190)						2						
2B	**120380**	& LOCKWASHER, 1/4" (12.9200)	2	2		2		2	2	2			2	2
2A	**274558**	NUT, 5/16"-24 LOCK (12.7040)			2									
2A	**214279**	NUT, 5/16"-24 LOCK (12.9120)					2				2	2		
		# THRU 3D-26968, 4D-27898 NOT SERVICED.												
		& EFFECTIVE WITH 4D-27899.												
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT												
	5108978	BRACKET							1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)							2					
	120393	WASHER, 5/16" (12.9190)							2					
	103320	LOCKWASHER, 5/16" (12.9200)							2					
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE												
	5118781	HOSE, 3/16"I.D.X11 3/16"L. (5.1003)	1	1						1				
	1508350	CONNECTOR, 1/8" RESTRICTED (7.4074)	1	1						1				
	443762	EXTENSION, 1/8 PT. INT. AND EXT. (12.9540)	1											
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL												
2C	**5119476**	TUBE ASSY.,3,4-53 (DEV. L. 7 1/8")	1	1	1		1	1				1		
2C	**8924170**	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1	1	1		1	1				1		
2C	**8925032**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	2	2	2		2	1						

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 239	242	246	249	250	252	254	257	258	261	263	275
		4.1510 - PIPE, OIL PUMP INLET												
2B	**5162917**	PIPE,6V53	1										1	
2B	**5131572**	PIPE,3-53										1		1
2D	**5132725**	PIPE,6V53 (FIGURE 4)												
2A	**5109241**	PIPE,4-53 (A-7.32",B-3.86")		1										
2A	**5162968**	PIPE,4-53 (A-4.48",B-19")			1									
2A	**5109092**	PIPE,4-53 (A-6.24",B-11.34")				1								
2A	**5162967**	PIPE,4-53 (A-3.66",B-19")					1							
2A	**5125949**	PIPE,4-53 (A-5.12",B-15.48")						1						
2A	**5130935**	PIPE,3-53 (A-7.52",B-5.76")							1					
2A	**5131323**	+ PIPE,2-53 (A-5.27",B-7.80")								1				
2A	**5131622**	PIPE,3-53 (A-6",B-5.76")									1			
2A	**5119425**	FLANGE		1	1	1	1	1	1	1	1	1		
2B	**5126454**	FLANGE	1										1	
2B	**5126453**	ELBOW (SD-161)	1										1	
2A	**5127175**	SEAL RING		1	1	1	1	1	1	1	1	1		
2B	**5126492**	SEAL RING	1										1	
2B	**186618**	BOLT, 5/16"-18X5/8" (12.9001)										3		
2A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	3	4	4	4	4	4	4	4	4	2	3	
2B	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	2										2	
2B	**138222**	BOLT, 5/16"-18X1" (12.9027)												2
2B	**179826**	BOLT, 5/16"-18X2" (12.9001)	2										2	
	120393	WASHER, 5/16" (12.9190)	AR	4	4	4	4	4	4	4	4		AR	
2A	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	4	AR	AR	AR	AR
		+ OBSOLETE.												
		4.1512 - SUPPORT, OIL PUMP INLET TUBE												
2B	**5162916**	SUPPORT,6V53	1										1	
2B	**5131574**	SUPPORT,3-53										1		
	5132709	SUPPORT,6V53												2
	120228	BOLT, 5/16"-18X5/8" (12.9001)												1
	181595	BOLT, 5/16"-24X3/4" (12.9001)												1
	120393	WASHER, 5/16" (12.9190)												5
	103320	LOCKWASHER, 5/16" (12.9200)												3
	114493	LOCKNUT, 5/16"-24 (2.7170)												2
		4.1520 - GASKET, OIL PUMP INLET PIPE												
2A	**5175568**	GASKET,2,3,4-53 (4.1672)			1	1	1	1	1	1	1			
2B	**5126473**	GASKET,6V53	1										1	1
		4.1530 - SCREEN, OIL PUMP INLET												
2A	**5126456**	SCREEN ASSY.		1	1	1	1	1	1	1	1			
	5155830	* SCREEN	1									1	1	1
2B	**179789**	* BOLT, 1/4"-20X3/8" (12.9001)	2										2	
2B	**180016**	BOLT, 1/4"-20X1/2" (12.9001)										2		2

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 239	242	246	249	250	252	254	257	258	261	263	275
		4.1530 - SCREEN, OIL PUMP INLET (CONT'D)												
2B	120392	WASHER, 1/4" (12.9190)										2		
2B	120380	* LOCKWASHER, 1/4" (12.9200)	2										2	2
2A	274558	NUT, 5/16"-24 HEX. LOCK (12.9140)		2	2	2	2	2	2	2	2			
		* EFFECTIVE WITH 4D-27899.												
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE												
	5118781	HOSE, 3/16"I.D.X11 3/16"L. (5.1003)			1		1							
	1508350	CONNECTOR, 1/8" RESTRICTED (7.4074)			1		1							
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL												
2C	5119476	TUBE ASSY.,3,4-53 (DEV. L. 7 1/8")		1	1	1	1							
2C	5130938	TUBE ASSY.,4-53 (DEV. L. 5.50")						1						
2C	8924170	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)		1	1	1	1	1						
2C	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)		1	2	2	2	2						

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 280	282	283	285	286	289	290	292	295	296	297	298
		4.1510 - PIPE, OIL PUMP INLET												
2B	5132482	TUBE,8V53	1											
2B	5133917	TUBE,4-53		1										
2B	5134327	+ TUBE,8V53			1									
2B	5131078	+ TUBE,3-53				1								
2D	5134512	= TUBE,8V53					1							
2D	5135082	+ TUBE,6V53 (FIGURE 1)						1						
2B	5135192	+ TUBE,8V53							1					
2D	5136090	TUBE,6V53											1	
	5135570	TUBE,8V53												1
2A	5126212	+ TUBE ASSY.3-53 (A-7.52",B-5.70")								1				
	NPN	ELBOW									1			
	5135577	ELBOW										1		
2B	5119425	FLANGE		1		1				1				
	5123660	GASKET (4.1300)					1				1			
2B	5127175	SEAL RING		1		1				1				
	9421628	SCREW, 5/16"-18X2" (12.9027)											2	
2B	186618	BOLT, 5/16"-18X5/8" (12.9001)		1		1								
	120228	BOLT, 5/16"-18X5/8" (12.9001)											1	
2B	179816	BOLT, 5/16"-18X3/4" (12.9001)		4		4		3		4				
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2						
	186629	BOLT, 5/16"-18X1" (12.9001)											2	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2		2		2		2		2	2		2
	120393	WASHER, 5/16" (12.9190)		4				1		2			1	
	103320	LOCKWASHER, 5/16" (12.9200)	2	5	2	5	2	5	2	4	2	2	3	2
		+ OBSOLETE.												
		= NOT SERVICED; USE 5135577 PLUS (1) 5126143.												
		4.1512 - SUPPORT, OIL PUMP INLET TUBE												
2B	5133642	SUPPORT		1										
	5134329	* SUPPORT (4.1540)			1				1					
2B	5131079	SUPPORT				1								
	5135070	SUPPORT						1						
	5136225	SUPPORT											2	
	5135574	SUPPORT												1
	181595	BOLT, 5/16"-24X3/4" (12.9001)											2	
	217910	BOLT, 3/8"-16X5/8" SKT. HD. (12.9027)			2				2					2
	179837	BOLT, 3/8"-16X3/4" (12.9001)											2	
	103341	WASHER, 3/8" (12.9190)		4									2	
	103320	LOCKWASHER, 5/16" (12.9200)											2	
	103321	LOCKWASHER, 3/8" (12.9200)											2	
	114493	LOCKNUT, 5/16"-24 (2.7170)											2	
		* OBSOLETE.												
		4.1520 - GASKET, OIL PUMP INLET PIPE												
	5132832	GASKET	1		1		1		1		1	1		1
2B	5126473	GASKET						AR					AR	
	5135877	GASKET											1	

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 280	282	283	285	286	289	290	292	295	296	297	298
		4.1530 - SCREEN, OIL PUMP INLET												
	5132829	# SCREEN	1		1		1		1		1			
2B	**5155830**	SCREEN		1		1		1						
2A	**5126456**	SCREEN ASSY.								1				
2A	**5126143**	SCREEN ASSY.										1	1	1
	5132830	FLANGE (4.1510)	1		1				1					
	5132831	SEAL RING (4.1510)	1		1				1					
	179789	BOLT, 1/4"-20X3/8" (12.9001)				2		2						
	180016	BOLT, 1/4"-20X1/2" (12.9001)		2										
	179812	BOLT, 5/16"-18X1/2" (12.9001)											2	
	186618	BOLT, 5/16"-18X5/8" (12.9001)					2				2			
	9409010	BOLT, 5/16"-18X5/8" LOCK (12.9001)										2		2
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2											2
	186625	BOLT, 5/16"-18X7/8" (12.9001)			2				2					
	120392	WASHER, 1/4" (12.9190)		2										
	120393	WASHER, 5/16" (12.9190)										2		2
	120380	LOCKWASHER, 1/4" (12.9200)		2		2		2						
	103320	LOCKWASHER, 5/16" (12.9200)	2		2		2		2		2		2	2
2A	**214279**	NUT, 5/16"-24 LOCK (12.9120)								2				
		# OBSOLETE.												
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT												
	5132792	BRACKET (4.1512)	1											
	5134329	* BRACKET			1									
	5135194	* BRACKET							1					
	5135575	BRACKET												1
	186618	BOLT, 5/16"-18X5/8" (12.9001)	2		2				2					2
	103320	LOCKWASHER, 5/16" (12.9200)	2		2				2					2
	120376	NUT, 5/16"-18 (12.9120)	2		2				2					2
		* OBSOLETE.												
		4.1580 - PIPE, OIL PUMP OUTLET												
		A TUBE AND HOUSING ASSY. INCLUDES ITEMS IN 4.1582 AND 4.1583.												
	5132899	TUBE AND HOUSING ASSY.	1		1		1		1		1			1
	5133183	+ TUBE AND HOUSING ASSY.									1			
	5135527	+ TUBE ASSY.											1	
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)										2		2
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)					2				2			
	179826	BOLT, 5/16"-18X2" (12.9001)											2	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	4		4		2		4		2	2		2
	103320	LOCKWASHER, 5/16" (12.9200)	4		4		4		4		4	4	4	4
		+ OBSOLETE.												

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 280	282	283	285	286	289	290	292	295	296	297	298
		4.1582 - VALVE, OIL PRESSURE RELIEF												
	5132898	VALVE (4.1630)	1		1		1		1		1	1		1
		4.1583 - SPRING, OIL PRESSURE RELIEF VALVE												
	5155765	SPRING (4.1260)	1		1		1		1		1	1		1
	5132897	SEAT (4.1701)	1		1		1		1		1	1		1
	455289	PIN, 1/8"X1 1/16" GROOVE (12.9270)	1		1		1		1		1	1		1
		4.1590 - GASKET, OIL PUMP OUTLET PIPE												
	5132832	GASKET (AT PUMP) (4.1520)	1		1		1		1		1	1		1
	5132471	GASKET (AT BLOCK) (1.1066)	1		1		1		1		1	1		1
		4.1597 - TUBE, OIL PRESSURE GAGE												
	5118781	HOSE, 3/16"I.D.X11 3/16"L. (5.1003)					1				1	1		
	1508350	CONNECTOR, 1/8" RESTRICTED (7.4074)					1				1	1		

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	301	302	303	308	314	319	322	323	324	325	328
		4.1510 - PIPE, OIL PUMP INLET												
2B	5132626	TUBE,6V53	1											
2D	5135339	+ TUBE,8V53		1										
2D	5138246	TUBE,6V53 (FIGURE 7)			1	1					1			
2B	5136382	TUBE,3-53					1							
	5138060	TUBE,8V53						1						
2B	5138504	+ TUBE,6V53								1				
2D	5138245	TUBE,6V53 (FIGURE 7)										1		
2D	5139272	TUBE,6V53 (FIGURE 7)											1	
2D	5138241	TUBE,6V53												1
2A	5121425	+ TUBE ASSY.,2-53 (A-7.77",B-5.28")							1					
	5126453	ELBOW,6V53 (SD-161)	1							1				
2B	5119425	FLANGE					1		1					
	5126454	FLANGE,6V53	1							1				
	5156442	FLANGE,6V53			1	1								
2B	5127175	SEAL RING					1		1					
	5126492	SEAL RING,6V53	1							1				
	5137524	SEAL RING,6V53			1	1								
2B	179816	BOLT, 5/16"-18X3/4" (12.9001)					4		2					
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2							2				
	186629	BOLT, 5/16"-18X1" (12.9001)			2	2								
	179826	BOLT, 5/16"-18X2" (12.9001)	2		2	2				2				
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2	2		2			2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	4	2	4	6	4	2	2	4	2	2	2	2
		+ OBSOLETE.												
		4.1512 - SUPPORT, OIL PUMP INLET TUBE												
	5132623	SUPPORT,6V53	1											
	5137525	SUPPORT,6V53			1	1								
	5136380	SUPPORT,3-53					1							
	5136381	SUPPORT,3-53					1							
	5138684	* SUPPORT,6V53								1				
	5138420	SUPPORT,6V53									2	2	2	2
	5159347	SPACER, 3/4"X1/2" (7.1581)				2								
	5165211	SPACER, 1/2"X9/16" (4.8001)			2									
	186618	BOLT, 5/16"-18X5/8" (12.9001)			2		1							
	179816	BOLT, 5/16"-18X3 1/4" (12.9001)	2		2	2	2		4	2				
	181595	BOLT, 5/16"-24X3/4" (12.9001)					2							
	186612	BOLT, 3/8"-16X3/8" (12.9001)			2	2								
	179837	BOLT, 3/8"-16X3/4" (12.9001)	2								4	4	4	4
	186627	BOLT, 3/8"-24X1" (12.9001)									2	2		
	120393	WASHER, 5/16" (12.9190)	1				2		2	1				
	103341	WASHER, 3/8" (12.9190)	4		2	4					4	8		
	5138619	WASHER, 25/64"X3/4"X.83"									2	4	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2		4	2	2		4	2				
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	2					4	4	4	4
	114493	LOCKNUT, 5/16"-24 (2.7170)					2							
	192481	NUT, 3/8"-24 (12.9140)									2	2		
		* OBSOLETE.												

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	301	302	303	308	314	319	322	323	324	325	328
		4.1520 - GASKET, OIL PUMP INLET PIPE												
	5132832	GASKET,8V53		1				1						
2B	5126473	GASKET,6V53	AR		AR	AR				AR	AR	1	AR	AR
		4.1530 - SCREEN, OIL PUMP INLET												
2B	5155830	SCREEN,3,4-53,6V53	1				1			1				
2A	5126456	SCREEN ASSY.,2,3-53							1					
2A	5126143	SCREEN ASSY.,6,8V53		1	1	1		1			1	1	1	1
	179789	BOLT, 1/4"-20X3/8" (12.9001)	2				2			2				
	186618	BOLT, 5/16"-18X5/8" (12.9001)				2								
	9409010	BOLT, 5/16"-18X5/8" LOCK (12.9001)		2				2			2	2	2	2
	120393	WASHER, 5/16" (12.9190)		2				2			2	2	2	2
	120380	LOCKWASHER, 1/4" (12.9200)	2				2			2				
	103320	LOCKWASHER, 5/16" (12.9200)				2								
2A	274558	NUT, 5/16"-24 LOCK (12.9140)							2					
		4.1580 - PIPE, OIL PUMP OUTLET												
		A TUBE AND HOUSING ASSY. INCLUDES ITEMS IN 4.1582 AND 4.1583.												
	5132899	TUBE AND HOUSING ASSY.,8V53		1				1						
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)		2				2						
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2				2						
	103320	LOCKWASHER, 5/16" (12.9200)		4				4						
		4.1582 - VALVE, OIL PRESSURE RELIEF												
	5132898	VALVE,8V53 (4.1630)		1				1						
		4.1583 - SPRING, OIL PRESSURE RELIEF VALVE												
	5155765	SPRING,8V53 (4.1260)		1				1						
	5132897	SEAT,8V53 (4.1701)		1				1						
	455289	PIN, 1/8"X1 1/16" GROOVE (12.9270)		1				1						
		4.1590 - GASKET, OIL PUMP OUTLET PIPE												
	5132832	GASKET,8V53 (AT PUMP) (4.1520)		1				1						
	5132471	GASKET,8V53 (AT BLOCK) (1.1066)		1				1						

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	301	302	303	308	314	319	322	323	324	325	328
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE												
	5118781	HOSE, 3/16"I.D.X11 3/16"L. (5.1003) 6,8V53				1					1			
	5135177	HOSE ASSY., 3/16" I.D.X98" L. (7.4075)			1									
	1508350	CONNECTOR, 1/8" RESTRICTED (7.4074) 6,8V53			1	1					1			
	118748	CONNECTOR, 1/4" TUBE			1									

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	333	334	335	336	337	340	345	348
		4.1510 - PIPE, OIL PUMP INLET												
2D	**5138243**	PIPE,6V53 (FIGURE 3)	1											
2D	**5138244**	PIPE,6V53 (FIGURE 3)		1										
2D	**5138422**	PIPE,6V53 (FIGURE 3)			1									
2D	**5108387**	+ PIPE,4-53 (CAST IRON) (FIGURE 2)				1								
	5138583	PIPE,4-53					1							
2D	**5126494**	+ PIPE,4-53 (CAST IRON) (FIGURE 5)						1						
2D	**5139013**	PIPE,8V53 (FIGURE 6)							1					
	5139266	PIPE,4-53								1				
2D	**5138242**	PIPE,6V-53 (FIGURE 3)									1			
	5136859	+ PIPE,6V53										1		
2D	**5138246**	PIPE,6V53 (FIGURE 3)											1	
2A	**5140376**	+ PIPE ASSY.3-53 (A-5.82",B-6.64")					1			1				
2A	**5127175**	SEAL RING					1			1	1			
2A	**5119425**	FLANGE								1	1			
	5139475	+ INLET ASSY. (4.1530)				1		1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)					2			2	4			
	186619	BOLT, 5/16"-18X1 1/8" (12.9001)											2	
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)			2									
	179826	BOLT, 5/16"-18X2" (12.9001)											2	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2	2				2			2		2
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ OBSOLETE.												
		4.1512 - SUPPORT, OIL PUMP INLET TUBE												
	5138254	SUPPORT,6V53	2	2										
2D	**5138580**	SUPPORT,4-53 (FIGURE 13)				1								
2D	**5138752**	SUPPORT,4-53 (FIGURE 9)					1							
2D	**5138754**	SUPPORT,4-53 (FIGURE 14)					1							
2D	**5138753**	SUPPORT, 4-53 (FIGURE 12)					1							
2D	**5138579**	SUPPORT,4-53 (FIGURE 13) (4.1520)						1						
2D	**5139267**	SUPPORT,4-53 (FIGURE 14) (4.1540)								1				
2D	**5138418**	SUPPORT,6V53 (FIGURE 10)										1		
	5137014	# SUPPORT,6V53												2
	5138420	SUPPORT,6V53											1	
	5136954	+ SPACER, 1/4" PIPE (4.1540)								1				
	186618	BOLT, 5/16"-18X5/8" (12.9001)				4	4	4		4			2	
	179816	BOLT, 5/16"-18X3/4" (12.9001)					2							
	186625	BOLT, 5/16"-18X7/8" (12.9001)					1							
	179812	BOLT, 5/16"-18X1 1/2" (12.9001)										2		
	100014	BOLT, 5/16"-24X1" (12.9001)										4		4
	180120	BOLT, 3/8"-16X3/4" (12.9001)	4	4	4								2	
	120380	BOLT, 3/8"-16X3/4" (12.9001)												2
	186627	BOLT, 3/8"-24X1" (12.9001)	2	2									1	
	5170569	+ WASHER					4			2				
	120393	WASHER, 5/16" (12.9190)											2	2
	103341	WASHER, 3/8" (12.9190)	2	2										

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	333	334	335	336	337	340	345	348
		4.1512 - SUPPORT, OIL PUMP INLET TUBE (CONT'D)												
	5138619	WASHER, 25/64"X3/4"X.83"	4	4	4									4
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR		AR		AR		
	103321	LOCKWASHER, 3/8" (12.9200)					2					AR	AR	AR
	120376	NUT, 5/16"-18 CAD. (12.9120)										2		
	192481	NUT, 3/4"-25 CAD. (12.9120)	2	2										
		# NOT SERVICED; CONVERT TO TYPE 356.												
		+ OBSOLETE.												
		4.1520 - GASKET, OIL PUMP INLET PIPE												
	5126473	GASKET,6V53	1	1	1							1	1	1
	5180273	GASKET,4-53				1		1						
	5132832	GASKET							AR					
	5135877	GASKET,6V53											1	
		4.1530 - SCREEN, OIL PUMP INLET												
	5126143	SCREEN ASSY.	1	1	1				1			1	1	1
	5155830	SCREEN ASSY.,3,4-53				1	1	1		1				
	5126456	SCREEN ASSY.,2,3,4-53									1			
	179789	BOLT, 1/4"-20X3/8" (12.9001)				2		2						
	180016	BOLT, 1/4"-20X1/2" (12.9001)					2			2				
	9409010	BOLT, 5/16"-18X5/8" LOCK (12.9001)	2	2	2				2			2		2
	179816	BOLT, 5/16"-18X3/4" (12.9001)											2	
	120392	WASHER, 9/32" (12.9190)					2			2				
	120393	WASHER, 5/16" (12.9190)	2	2	2				2			2		2
	120380	LOCKWASHER, 1/4" (12.9200)				AR	AR	AR		AR				
	103320	LOCKWASHER, 5/16" (12.9200)											2	
	274558	NUT, 5/16"-24 LOCK (12.7040)									2			
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT												
	5138633	BRACKET,8V53							1					
	186625	BOLT, 5/16"-18X7/8" (12.9001)							1					
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)							1					
	120393	WASHER, 5/16" (12.9190)							2					
	103320	LOCKWASHER, 5/16" (12.9200)							1					
		4.1580 - PIPE, OIL PUMP OUTLET												
		A TUBE AND HOUSING ASSY. INCLUDES ITEMS IN 4.1582 AND 4.1583.												
	5132899	TUBE & HOUSING ASSY.,8V53							1					

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 329	330	331	332	333	334	335	336	337	340	345	348
		4.1580 - PIPE, OIL PUMP OUTLET (CONT'D)												
	5137000	* TUBE ASSY.,6V53											1	
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)							2					
	179826	BOLT, 5/16"-18X2" (12.9001)											2	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)							2					
	103320	LOCKWASHER, 5/16" (12.9200)							AR				AR	
		* OBSOLETE												
		4.1582 - VALVE, OIL PRESSURE RELIEF												
	5132898	VALVE,8V53 (4.1630)							1					
		4.1583 - SPRING, OIL PRESSURE RELIEF VALVE												
	5155765	SPRING							1					
	5132897	SEAT,8V53							1					
	455289	PIN, 1/8"X1 1/16" GROOVE (12.9270)							1					
		4.1590 - GASKET, OIL PUMP OUTLET PIPE												
	5132471	GASKET,8V53 (1.1066)							1					
	5126473	GASKET,6V53 (4.1520)											1	
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE												
10A,B	**5118781**	HOSE, 3/16"I.D.X11 3/16"L. (5.1003) 6,8V53					1	1					1	
	5135177	HOSE ASSY.,6V53 (98"L.) (7.4075)												1
	1508350	CONNECTOR, 1/8" RESTRICTED (7.4074) 4-53,6,8V53					1	1					1	1
	118748	CONNECTOR,6V53,1/4" (12.9280)												1
	443762	EXTENSION, 1/8 P.T. INT. AND EXT.					1							
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL												
2C	**5119476**	TUBE ASSY.,4-53 (DEV. L. 7 1/8")					1	1		1				
2C	**442321**	CONNECTOR,4-53, 1/4" INV. FL. TUBE (12.9460)					1	1		1				
2C	**225810**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)					1	1		1				

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 351	353	355	356	362	367	368	369	370	372	375
		4.1510 - PIPE, OIL PUMP INLET											
	5136859	* PIPE,6V53				1							
	5142762	PIPE,2-53 (SCAV.)		1									
	5142686	PIPE,2-53 (PRESS)		1									
	5143469	PIPE,3-53			1								
	5147225	PIPE,8V53 (SCAV.)					1						
2D	5141841	PIPE,8V53 (FIGURE 5)					1						
2D	5135577	PIPE,8V53 (FIGURE 5)						1					
	5138240	PIPE,6V53							1				
	5142011	PIPE,4-53								1			
	5144106	PIPE,3-53									1		
	5109913	PIPE,3-53										1	
2A	5162968	PIPE,4-53 (A-3.66",B-19")											1
2A	5121214	* PIPE ASSY.,2-53 (A-3.25",B-7.80")	1										
2D	5141435	PIPE ASSY.,8V53 (FIGURE 3)					1						
2A	5127175	SEAL RING	1		1					1	1	1	1
2A	5119425	FLANGE	1		1					1	1	1	1
	5133897	* BOLT, "U",5/16"		1									
	179816	BOLT, 5/16"-18X3/4" (12.9001)	4		4					2	2	2	4
	186314	BOLT, 5/16"-18X2" (12.9001)			2								
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		3			2	2	2				
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)					2						
	120392	WASHER, 9/32" (12.9190)									2		
	120393	WASHER, 5/16" (12.9190)	2		2							2	2
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
	120376	NUT, 5/16"-18 (12.9120)		1									
	114493	LOCKNUT, 5/16"-24 (2.7170)		2									
		* OBSOLETE											
		4.1512 - SUPPORT, OIL PUMP INLET TUBE											
	5138752	SUPPORT,4-53 (FIGURE 9)								1			
2D	5138754	SUPPORT,4-53 (FIGURE 14)								1			
2D	5138753	SUPPORT,4-53 (FIGURE 12)								1			
	5138420	SUPPORT,6V53							1				
	5138254	SUPPORT,6V-53							1				
	5131574	SUPPORT,3-54									1		
	186618	BOLT, 5/16"-18X5/8" (12.9001)									3		
	179816	BOLT, 5/16"-18X3/4" (12.9001)								4			
	186625	BOLT, 5/16"-18X7/8" (12.9001)								2			
	179812	BOLT, 5/16"-18X1 1/2" (12.9001)								1			
	180120	BOLT, 3/8"-16X3/4" (12.9001)							4				
	186627	BOLT, 3/8"-24X1" (12.9001)							2				
	120393	WASHER, 5/16" (12.9190)								4	3		
	103341	WASHER, 3/8" (12.9190)							2				
	5138619	WASHER, 25/64"X3/4"X.83"							4				
	103320	LOCKWASHER, 5/16" (12.9200)							AR	AR	AR		
	120376	NUT, 5/16"-18 CAD. (12.9120)								2			
	192481	NUT, 3/4"-25 CAD. (12.9120)							2				

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 351	353	355	356	362	367	368	369	370	372	375
		4.1520 - GASKET, OIL PUMP INLET PIPE											
	5126473	GASKET,6V53							1				
	5132832	GASKET,8V53					AR	AR					
	5135877	GASKET,6V53				1							
	5176680	GASKET,3-53 (2.7020)		2									
		4.1530 - SCREEN, OIL PUMP INLET											
	5126143	SCREEN ASSY.,6,8V53				1	2	1	1				
	5155830	SCREEN ASSY.,3,4-53		2						1	1		
	5126456	SCREEN ASSY.,2,3,4-53	1		1					2	2	1	1
	180016	BOLT, 1/4"-20X1/2" (12.9001)		4									
	117461	BOLT, 1/4"-20X9/16" (12.9001)					4	2	2				
	9409010	BOLT, 5/16"-18X5/8" LOCK (12.9001)				2							
	179816	BOLT, 5/16"-18X3/4" (12.9001)					5	2	2				
	120393	WASHER, 5/16" (12.9190)		AR						AR	AR		
	120380	LOCKWASHER, 1/4" (12.9200)				2							
	103320	LOCKWASHER, 5/16" (12.9200)											2
	274558	NUT, 5/16"-24 (12.9140)	2									2	
	214279	NUT, 5/16"-24 (12.9120)			2								
		4.1540 - BRACKET, OIL PUMP SCREEN SUPPORT											
	5142763	BRACKET,3-53		1									
	5143175	BRACKET,4-53 (UPPER)				1							
	5143548	BRACKET,4-53 (LOWER)				1							
	5141447	BRACKET,8V53 (4.1512)					1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2		1	1						
	100014	BOLT, 5/16"-24X1" (12.9001)				1							
	179835	BOLT, 3/8"-16X5/8" (12.9001)					2						
	179837	BOLT, 3/8"-16X3/4" (12.9001)				2							
	120393	WASHER, 5/16" (12.9190)				2							
	446200	WASHER, 3/8" (12.9190)				2							
	103320	LOCKWASHER, 5/16" (12.9200)		2		2	1						
	103321	LOCKWASHER, 3/8" (12.9200)				2							
	114493	LOCKNUT, 5/16"-24 (2.7170)				1							
		4.1580 - PIPE, OIL PUMP OUTLET											
		A TUBE AND HOUSING ASSY. INCLUDES ITEMS IN 4.1582 AND 4.1583.											
	5132899	TUBE & HOUSING ASSY.,8V53					1	1					

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 351	353	355	356	362	367	368	369	370	372	375
		4.1580 - PIPE, OIL PUMP OUTLET (CONT'D)											
	5137000	+ TUBE ASSY.,6V53				1							
	5141842	+ TUBE ASSY.,8V53					1						
	5144215	JUNCTION BLOCK,8V53 (PUMP TO CYL. BLOCK)						1					
	8924749	PLUG, 1/8" PIPE (12.9550)						2					
	444692	PLUG, 1/4" PIPE (12.9550)						1					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				2							
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)					2	2					
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)					2						
	186314	BOLT, 5/16"-18X2" (12.9001)				2							
	186643	BOLT, 5/16"-18X2 1/16" (12.9001)						2					
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)					2	2					
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR	AR					
		+ OBSOLETE.											
		4.1581 - TUBE, JUNCTION BLOCK INLET											
	5132612	HOSE,8V53 (#5X11"L.) (7.8300)						1					
	8924144	ELBOW, 5/16" TUBE 45 DEG. (12.4080)						1					
	9432264	CONNECTOR, 5/16" TUBE (12.9460)						1					
		4.1582 - VALVE, OIL PRESSURE RELIEF											
	5132898	VALVE,8V53 (4.1630)					1	1					
		4.1583 - SPRING, OIL PRESSURE RELIEF VALVE											
	5155765	SPRING,8V53					1	1					
	5132897	SEAT					1	1					
	455289	PIN, 1/8"X1 1/16" GROOVE (12.9270)					1	1					
		4.1590 - GASKET, OIL PUMP OUTLET PIPE											
	5132471	GASKET,8V53 (1.1066)					1	1					
	5126473	GASKET,6V53 (4.1520)				2							
	5132832	GASKET,8V53 (4.1520)					1	1					
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE											
10A	**5144634**	HOSE,4-53 (.194"I.D.X15 3/4"L.) (4.4340)											1
10A,B	**5118781**	HOSE,6,8V53,3/16"I.D.X11 3/16" L. (5.1003)				1		1					

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 351	353	355	356	362	367	368	369	370	372	375
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE (CONT'D)											
	1508350	CONNECTOR, 1/8" RESTRICTED (7.4074)				1		1					1
	444052	ELBOW, 1/8 -45 DEG. STREET (12.9590)											1
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL											
2C	**5119476**	TUBE ASSY.,4-53 (DEV. L. 7 1/8")			1								1
2C	**442321**	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)			1								1
2C	**225810**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)			1								1

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3900	3912	4111	4116	4118	4230	4307	4445	4466	4477	4554
		4.1510 - PIPE, OIL PUMP INLET											
	5103894	PIPE ASSY., 4-53							1				
2D	**5145135**	PIPE ASSY.,3-53 (FIGURE 5)	1										
2D	**5135577**	PIPE ASSY.,8V53 (FIGURE 5)						1					
2D	**5146106**	PIPE ASSY.,4-53 (FIGURE 4)		1									
	5146846	PIPE ASSY.,3-53 (SCAV.)			1								
	5146478	PIPE ASSY.,3-53			1								
2D	**5138246**	PIPE ASSY.,6V53				1							1
	5147306	+ PIPE ASSY.,6V53					1						
2A	**5142195**	*PIPE,3,4-53 (A-6.62",B-4.40")*							1				
2D	**5136090**	PIPE ASSY.,6V53 (FIG. 15)								1			
	5103896	PIPE ASSY., 6V53									1		
	5106267	PIPE AND ADAPTOR ASSY.										1	
	5113767	HOSE,3-53,PIPE SHIELDING (SCAV.) (SPLIT)			1								
2A	**5127175**	SEAL RING	1	1					1				
2A	**5119425**	FLANGE	1	1					1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2	2					4	2		2	
	9423000	BOLT, 5/16"-18X3/4" 12 PT HD.								2		2	2
	9421628	BOLT, 5/16"-18X2" SOC. (12.9027)									2		
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			4	2	2	2					2
	120393	WASHER, 5/16" (12.9190)		4					2	4		2	
	103320	LOCKWASHER, 5/16" (12.9200)		2	4	2	2	2	4	4	2	4	2	2
		+ OBSOLETE											
		4.1512 - SUPPORT, OIL PUMP INLET TUBE											
	5145136	SUPPORT,3-53	1										
	5113739	SUPPORT,3-53 (SCAV. PIPE)			1								
2D	**5146104**	SUPPORT,4-53 (FIGURE 8)		1									
	5138420	SUPPORT, 4-53, 6V53				2	2						2
	5106278	SUPPORT, 4-53										2	
	5136225	SUPPORT, 6V53									2		
	5103874	SUPPORT, 6V53								1			
	8921230	SUPPORT, 4-53										1	
	186618	BOLT, 5/16"-18X5/8" (12.9001)	3									1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1								
	179816	*BOLT, 5/16"-18X3/4" (12.9001)*		2								2	
	120228	BOLT, 5/16"-18X5/8" (12.9001)									1		
	186619	BOLT, 5/16"-18X1 1/8" (12.9001)		1									
	181595	BOLT, 5/16"-24X3/4" (12.9001)									2		
	9409620	BOLT, 7/16"-14X1 1/8" (1.3112)			2								
	186627	BOLT, 3/8"-24X1" (12.9001)				2	2						2
	181365	BOLT, 3/8"—24X1 1/8" (12.9001)							2		2		
	179837	BOLT, 3/8"-16X3/4" (12.9001)				4	4			2			4
	120393	WASHER, 5/16" (12.9190)	3							3			
	5121403	WASHER, 5/16" (3.4080)			1								
	103340	WASHER, 5/16" (12.9190)										3	
	103341	WASHER, 3/8" (12.9190)				8	8		8	2	8	8	8
	5138619	WASHER, 25/64"X3/4"X.83"				4	4						4
	103320	*LOCKWASHER, 5/16" (12.9200)*	AR	AR	AR					3		3	
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR			2			4

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3900	3922	4111	4116	4118	4223	4330	4337	4445	4446	4447	4554
		4.1512 - SUPPORT, OIL PUMP INLET TUBE (CONT'D)												
	192481	LOCKNUT, 3/8"-24 (12.9140)				2	2			2		2		2
	103025	LOCKNUT, 5/16"-24 (12.9120)									2			
		4.1520 - GASKET, OIL PUMP INLET PIPE												
	5176680	GASKET,3-53 (2.7020)			2									
	5126473	GASKET,6V53				1	1			1		1	1	1
	5132832	GASKET,8V53						1						
	5135877	GASKET,6V53									1			
		4.1530 - SCREEN, OIL PUMP INLET												
2B	**5155830**	SCREEN,3,4-53	1	1	2								1	
	5126143	SCREEN,6,8V53				1	1	1			1			1
	5152385	SCREEN, 3, 4-53							1	1		1		
2A	**5126456**	SCREEN ASSY., 3, 4-53 (INCLUDES SCREEN IN 4.1530)							1	1		1		
	180016	BOLT, 1/4"-20X1/2" (12.9001)	2	2	2								2	
	179812	BOLT, 5/16"-18X1/2" (12.9001)									2			
	9409010	BOLT, 5/16"-18X5/8" (12.9001)				2	2	2						2
	120392	WASHER, 1/4" (12.9190)	2	2	2								2	
	120393	WASHER, 5/16" (12.9190)				2	2	4						2
	103319	LOCKWASHER, 1/4" (12.9200)	AR	AR	AR								2	
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	214279	NUT, 5/16"-24 LOCK (12.9120)							2	2		2		
		4.1580 - PIPE, OIL PUMP OUTLET												
		A TUBE AND HOUSING ASSY. INCLUDES ITEMS IN 4.1582 AND 4.1583.												
	5132612	HOSE ASSY.,8V53 (7.8300)						1						
	5132899	TUBE & HOUSING ASSY.,8V53						1						
	5144215	JUNCTION BLOCK,8V53						1						1
	5107439	BRACKET												1
	5159347	SPACER, 13/32"X3/4"X1/2" (7.1581)						2						
	5101297	PLUG, 1/8" PIPE (12.9550)						2						2
	5121182	PLUG, 1/4" PIPE (2.4015)						2						
	8924144	ELBOW, 5/16" TUBE 45 DEG. (12.9480)						1						
	8924218	CONNECTOR, 5/16" TUBE (12.9460)						1						
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)						2						
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)						2						
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)						2						
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)												2
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)						4						
	103321	LOCKWASHER, 3/8" (12.9200)												2
	103323	LOCKWASHER, 1/2" (12.9200)												2

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 390	392	411	416	418	423	430	437	445	446	447	454
		4.1582 - VALVE, OIL PRESSURE RELIEF												
	5132898	VALVE,8V53 (4.1630)						1						
		4.1583 - SPRING, OIL PRESSURE RELIEF VALVE												
	5155765	SPRING,8V53 (4.1260)						1						
	5132897	SEAT (4.1701)						1						
	455289	PIN, 1/8"X1 1/16" GROOVE (12.9270)						1						
		4.1590 - GASKET, OIL PUMP OUTLET PIPE												
	5132832	GASKET,8V53 (AT PUMP) (4.1520)						1						
	5132471	GASKET,8V53 (AT BLOCK) (1.1066)						1						
		4.1597 - TUBE, OIL PRESSURE GAGE-MARINE												
	5118781	HOSE ASSY.,6,8V53 11.18 L. (5.1003)					1	1						1
10A	**5147571**	HOSE ASSY., 6V53, 98" L. (4.1597)				1								
	5199575	HOSE, BULK #6 CUT L. 6" (12.8550)												1
	5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT) (12.8552)												1
	5199593	FITTING, #6 HOSE (45 DEG.) (12.8552)												1
	1508350	CONNECTOR, 1/8" P.T., INT. & EXT. (7.4074)				1	1	1						1
	9432266	CONNECTOR, INV. FL. TUBE (12.9460)				1								1
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)												1
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL												
2C	**5119476**	TUBE ASSY., 4-53 (DEV. L. 7 1/8")		1						1			1	
2C	**5130938**	TUBE ASSY., 4-53 (DEV. L. 5.50")										1		
2C	**8924170**	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)		1						1		1	1	
2C	**8925032**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)		1						1		1	1	
2C	**8924214**	TEE, 1/8"-27 PIPE (7.4586)										1		
	8924380	PLUG, 1/8"-22 PIPE (12.9550)										1		

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 459	468	479	480	485	489	492
		4.1510 - PIPE, OIL PUMP INLET							
	8922242	PIPE ASSY., 4-53T			1				1
2D	5146106	PIPE ASSY., 4-53 (FIGURE 4)				1			
	8920658	PIPE ASSY., 3-53	1						
	5162968	PIPE ASSY., 4-53						1	
2D	5138246	PIPE ASSY., 6V-53					1		
	5103056	PIPE ASSY., 6V53							1
	8924709	ELBOW							1
	8921280	PIPE ASSY., 4-53		1					
2A	5127175	SEAL RING, .79"X.163"				1		1	
2A	5119425	FLANGE	1			1		1	
	9423000	BOLT, 5/16"-18X3/4" 12 PT. HD. (12.9001)		2	2				
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2		2		4	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	4				2		4
	120393	WASHER, 5/16" (12.9190)	2	4				4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	2	2	2	4	4
		4.1512 - SUPPORT, OIL PUMP INLET TUBE							
	5138752	SUPPORT (UPPER)			1				
	5138754	SUPPORT (UPPER)			1				
	5138753	SUPPORT (LOWER)			1				
2D	5146104	SUPPORT (FIGURE 8)				1			
	5138420	SUPPORT, 6V53					4		
	8921230	SUPPORT, 4-53 (4.1510)		1					
	5103214	SUPPORT, 6V53							2
	179816	BOLT, 5/16"-18X3/4" (12.9001)			4	2			
	179812	BOLT, 5/16"-18X1/2" (12.9001)			2				
	186625	BOLT, 5/16"-18X7/8" (12.9001)			2				
	186618	BOLT, 5/16"-18X5/8" (12.9001)				1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)					4		4
	186627	BOLT, 3/8"-24X1" (12.9001)					4		2
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)		2					
	120393	WASHER, 5/16" (12.9190)			8	3			
	103341	WASHER, 3/8" (12.9190)		8			16		8
	5138619	WASHER, 25/64"X3/4"X.83"					4		4
	103320	LOCKWASHER, 5/16" (12.9200)			8	3			
	103321	LOCKWASHER, 3/8" (12.9200)					4		4
	120376	NUT, 5/16"-18 (12.9120)			2				
	192481	LOCKNUT, 3/8"-24 (12.9140)		2			4		2
		4.1520 - GASKET, OIL PUMP INLET PIPE							
	5126473	GASKET		1	1		1		
	8924711	GASKET							1
	5103043	GASKET							1
		4.1530 - SCREEN, OIL PUMP INLET							
2B	5155830	SCREEN, 3, 4-53			1	1			
	5126143	SCREEN, 6V53					1		2
2A	5126456	* SCREEN ASSY., 3, 4-53	1	1				1	
	5152385	SCREEN, 3, 4-53	1	1				1	
	180016	BOLT, 1/4"-20X1/2" (12.9001)			2	2			
	9409010	BOLT, 5/16"-18X5/8" (12.9001)					2		4
	120392	WASHER, 1/4" (12.9190)			2				
	120393	WASHER, 5/16" (12.9190)					2		4
	103319	LOCKWASHER, 1/4" (12.9200)			2	2			
	214279	NUT, 5/16"-24 LOCK (12.9120)	2					2	

* INCLUDES SCREEN IN 4.1530.

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4.1000B OIL DISTRIBUTION SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4559	4688	4799	4800	4885	4889	4992
		4.1580 - PIPE, OIL PUMP OUTLET							
	5144215	JUNCTION BLOCK, 8V53					1		
	8924707	ELBOW							1
	5107439	BRACKET					1		
	8924380	PLUG, 1/8" PIPE (12.9550)					2		
	186629	BOLT, 5/16"-18X1" (12.9001)							2
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)					2		
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)					2		
	103320	LOCKWASHER, 5/16" (12.9200)							2
	103321	LOCKWASHER, 3/8" (12.9200)					2		
	103323	LOCKWASHER, 1/2" (12.9200)					2		
		4.1597 - TUBE, OIL PRESSURE GAGE							
	8923859	HOSE ASSY., #5X13" L. (9.1775)					1	1	
	8923966	HOSE ASSY., #6X10.92" L.					1		
	1508350	CONNECTOR, 1/8" P.T., INT. & EXT. (7.4074)					1	1	
	9432266	CONNECTOR, 1/8" P.T., INV. FL. (12.9460)					1		
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)					1		
		4.1660 - PIPE, BLOWER DRIVE BEARING OIL							
2C	**5119476**	TUBE ASSY., 4-53 (DEV. L. 7 1/8")		1				1	
2C	**8924170**	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)		1				1	
2C	**8925032**	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)		1				1	

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4.1000C OIL, PRESSURE REGULATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8	9	12	14	15	16	29
		4.1690 - SPRING, OIL PRESSURE REGULATOR							
1A	**5121309**	* SPRING,2,3,4-53,6V53			2				
1A	**5126436**	@ SPRING,2,3,4-53,6V53 (ORANGE STRIPE) (4.1260)	1	2	2	2	2		4
1A	**5132706**	SPRING,8V53 (BLUE STRIPE)						2	
		* THRU 2D-13568, 3D-4294, 4D-4026, 6D-3857 FOR TYPE 12.							
		@ EFFECTIVE WITH 2D-13569, 3D-4295, 3D-6027, 6D-3858 FOR TYPE 12.							
		4.1700 - VALVE, OIL PRESSURE REGULATOR							
1A	**5177777**	+ VALVE (4.4140)	1	2	2		2		4
1A	**5109804**	# VALVE,6V53			2				
1A	**5143021**	VALVE,6V53			2	2			
1A	**5132707**	VALVE,6,8V53						2	
		+ THRU 6D-3857.							
		# EFFECTIVE WITH 6D-3858, THRU 6D-22443, NOT SERVICED; FOR SERVICE REQUIREMENTS, USE 5143021 PLUS (1) 51362 27 PLUG.							
		4.1710 - PLUG, OIL PRESSURE REGULATOR							
1A	**5113657**	+ PLUG	1	2	2		2	2	4
1A	**5109803**	PLUG,6V53			1				
1A	**5136227**	& PLUG,6V53			1	2			
		+ THRU 6D-3857 FOR TYPE 12.							
		& EFFECTIVE WITH 6D-10498.							
		4.1720 - GASKET, OIL PRESSURE REGULATOR PLUG							
1A	**5177773**	GASKET (4.4170)	1	2	2	2	2	2	4

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 108	109	111	112	115	116	127	130	134	135	144	145
		4.2240 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN PAGE AS *INDICATED BELOW*. FOR TYPES 130 & 134 ALSO SEE OIL FILTER LINES, 4.3000A, TYPE 98. FOR TYPE 139 USE TYPE 147.												
	5121120	= FILTER ASSY.,3,4-53,6,8V53 (9" ELEMENT) (PAGE A1) (5134392)	1									1		1
	5121143	= FILTER ASSY.,2,3-53 (6" ELEMENT) (PAGE A1) (5134393)		1										
	5570098	+ FILTER ASSY.,2-53 (BY-PASS) (S-6) (PAGE A1)			1									
	5572941	FILTER ASSY.,2-53 (BY-PASS) (PAGE A1)				1								
	5196393	FILTER ASSY.,3-53,6V53 (9.3650) (PAGE B1)					1							
	5122527	* FILTER ASSY.,4-53 (PAGE A1)						1						
	5124065	FILTER ASSY.,8V53 (FULL FLOW) (PAGE C1)							1					
	5181797	= FILTER ASSY.,4-53,6,8V53 (PAGE A1) (5147683)								1			1	
	5125025	FILTER ASSY.,2,3-53 (PAGE A1)									1			
	5573199	+ DECAL (4.2280)				1								
	5573162	+ DECAL (4.2280)	1				1	1	1	1	1	1	1	1
	5575213	+ DECAL (4.2280)		1							1			
	128003	BUSHING, 1"X3/4" RED. (12.9570)									AR			
	5111798	PLUG, 1" PIPE (12.9550)									AR			
	179839	BOLT, 3/8"-16X1" (12.9001)				4	4							
3A	**186679**	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4				4				4		
3A	**186309**	BOLT, 3/8"-24X3 1/4" (12.9001)												4
3A	**103341**	WASHER, 3/8" (12.9190)	4	4				4				4		
	103321	LOCKWASHER, 3/8" (12.9200)	4	4		4	4	4				4		4
	117049	NUT, 3/8"-24 (12.9120)											4	
		= NOT SERVICED. COMPONENTS ARE AVAILABLE, FOR REPLACEMENT USE ASSY. NUMBER IN PARENTHESES, PLUS (2) 128003 AND (2) 5111798.												
		* NOT SERVICED. COMPONENTS ARE AVAILABLE. FOR REPLACEMENT CONVERT TO TYPE 152 FOR LD ENGINE, TYPE 153 FOR RB ENGINE.												
		+ OBSOLETE.												
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5127268	ADAPTOR,6,8V53 (MOUNTING) (CANTED INBOARD 13 DEG.)										1		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										4		
	103321	LOCKWASHER, 3/8" (12.9200)										4		

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 108	109	111	112	115	116	127	130	134	135	144	145
		4.2293 - GASKET, OIL FILTER COVER ADAPTOR												
	5128486	GASKET,6,8V53 (MOUNTING ADAPTOR) (4.2350)										1		
		4.2350 - GASKET, OIL FILTER ADAPTOR												
3A	**5121205**	GASKET	1	1				1				1		
3A	**5575086**	GASKET,3-53 (4.2489)					1							
	5128439	GASKET,2-53,6V53 (MOUNTING ADAPTOR) (4.2440)												1
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5122631	BRACKET,3-53					1							
	5122681	SPACER (1/2" PIPE X 3 1/4"L)					1							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					2							
	190256	BOLT, 1/2"-13X4 1/2" (12.9001)					1							
	103321	LOCKWASHER, 3/8" (12.9200)					2							
	103323	LOCKWASHER, 1/2" (12.9200)					1							
		4.2450 - PLATE, OIL FILTER MOUNTING												
	5119237	PLATE,2-53 (4.2440)				1								
	5127826	PLATE,6V53 (4.2440)												1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)												2
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				4								2
	103321	LOCKWASHER, 3/8" (12.9200)												
	103323	LOCKWASHER, 1/2" (12.9200)				4								

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4.2000A OIL FILTER

PART NUMBER	NAME AND DESCRIPTION	TYPES 147	152	153	155	156	157	158	162	167	169	170	173
	4.2240 - FILTER ASSY., OIL												
	SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.												
5121120	= FILTER ASSY.,3,4-53,6,8V53 (9" ELEMENT) (PAGE A1) (5134392)							1	1	1	1	1	
5121143	= FILTER ASSY.,2,3-53 (6" ELEMENT) (PAGE A1) (5134393)								1				
5572941	FILTER ASSY.,2-53 (BY-PASS) (PAGE A1)						1						
5196393	FILTER ASSY.,3-53,6V53 (19.3650) (PAGE B1)												1
5126275	+ FILTER ASSY.,4-53 (PAGE A1) (5134406)	1	1										
5126276	* FILTER ASSY.,4-53 (PAGE A1) (5134408)			1									
5126283	* FILTER ASSY.,3-53 (PAGE B1) (5134407)				1								
5126284	* FILTER ASSY.,3-53 (PAGE B1) (5134409)					1							
5573199	% DECAL (4.2280)						1						
5573162	% DECAL (4.2280)	1	1	1				1	1	1	1	1	1
5575213	% DECAL (4.2280)				1	1			1				
179839	BOLT, 3/8"-16X1" (12.9001)						4						2
186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4	4	4	4							
3A **186679**	BOLT, 3/8"-16X1 1/4" (12.9001)							4		4	4	4	2
186612	BOLT, 3/8"-16X1 3/8" (12.9001)									4			
179851	BOLT, 3/8"-16X3" (12.9001)								4				
3A **103341**	WASHER, 3/8" (12.9190)		4	4	4	4		4	4	4	4	4	
3A **103321**	LOCKWASHER, 3/8" (12.9200)		4	4	4	4	4	4	4	4	4	4	4
	= NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR REPLACEMENT USE ASSY. NUMBER IN PARENTHESES, PLUS (2) 128003 AND (2) 5111798.												
	* NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ASSY. NUMBER IN PARENTHESES.												
	% OBSOLETE.												
	+ NOT SERVICED, USE (1) EACH OF ADAPTOR 5104419, GASKET 8921708 AND ELEMENT 25101495.												
	4.2291 - ADAPTOR, OIL FILTER COVER												
5129617	ADAPTOR,6,8V53 (MOUNTING) (OFFSET 45 DEG.)							1					
5108758	ADAPTOR,4-53 (MOUNTING)									1			
5109340	ADAPTOR,4-53 (MOUNTING)										1		
5108821	ADAPTOR,6V53 (MOUNTING)											1	
5122388	+ SPACER (4.2290) (SD-157)								1				
426368	BOLT, 3/8"-16X3/4" HEX. SKT. HD. (12.9027)									4	4		
138242	BOLT, 3/8"—16X1" HEX. SKT. HD. (12.9027)											1	
	+ OBSOLETE.												

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 147	152	153	155	156	157	158	162	167	169	170	173
		4.2291 - ADAPTOR, OIL FILTER COVER (CONT'D)												
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)											3	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)							4				4	
		4.2293 - GASKET, OIL FILTER COVER ADAPTOR												
	5128486	GASKET,6,8V53 (MOUNTING ADAPTOR) (4.2350)							1					
	5121205	GASKET,4-53 (MOUNTING ADAPTOR) (4.2350)								1	1			
	5108828	GASKET,6,8V53 (MOUNTING ADAPTOR)										1	1	
		4.2350 - GASKET, OIL FILTER ADAPTOR												
3A	5121205	GASKET		1	1	1	1		1		1	1	1	
	5128439	GASKET (MOUNTING ADAPTOR) (4.2440)								2				
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5128121	BRACKET,2-53						1						1
	5100382	BRACKET,6V53												2
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						3						
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						3						
	103323	LOCKWASHER, 1/2" (12.9200)												
		4.2470 - SUPPORT, OIL FILTER MOUNTING												
	5108825	SUPPORT,6V53												1
	122408	BOLT, 1/2"-13X1" (12.9001)												2
	103323	LOCKWASHER, 1/2" (12.9200)												2

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4.2000A OIL FILTER

4.2240 - FILTER ASSY., OIL

SEE ASSEMBLY-BREAKDOWN PAGES AS INDICATED BELOW.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	181	183	184	186	190	194	201	203	210	216	220
	5121143	= FILTER ASSY.,3-53 (PAGE A1) (5134393)	1											
	5181797	# FILTER ASSY.,4-53,6V53 (PAGE A1) (5147683)		1										
	5572941	FILTER ASSY.,3-53 (PAGE A1)			1									
	5121120	= FILTER ASSY.,6,8V53 (PAGE A1) (5134392)				1				1				
	5125384	# FILTER ASSY.,3-53,6V53 (PAGE B1) (5147683)					1							
	2325391	FILTER ASSY.,6V53 (PAGE B1)						1						
	5133313	= FILTER ASSY.,6V53 (PAGE C1) (5147683)							1					
	5572942	* FILTER ASSY., BY-PASS,3-53 (PAGE B1)									1			
	5134392	= FILTER ASSY.,4-53,6,8V53 (PAGE B1) (5100800) (PAGE C1)										1		
	5136237	% FILTER ASSY.,3-53 (PAGE B1)											1	
	5575213	% DECAL (4.2280)	1										1	1
	5573162	% DECAL (4.2280)		1		1	1		1	1		1		
	5573199	% DECAL (4.2280)			1						1			
	5133279	BUSHING (1/2"X1/4" RED., RESTRICTED) (4.3001)						1						
	5111798	PLUG, 1" PIPE (12.9550)							1					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	4											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							4					
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)								4				
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		3			4						4	
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		1										
	186309	BOLT, 3/8"-24X3 1/4" (12.9001)				4						4		
	103341	WASHER, 3/8" (12.9190)	4						4					
	103321	LOCKWASHER, 3/8" (12.9200)	4	AR		4	4		4	4		4	4	
	102635	NUT, 3/8"-16 (12.9120)								4				
	117049	NUT, 3/8"-24 (12.9120)		4		4	4					4	4	

* NOT SERVICED; USE 5570141 FILTER, (2) 132375 BOLTS, (2) 5127156 STRAPS, (2) 138485 LOCKWASHERS AND (2) 120376 NUTS.

= NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. NUMBER IN PARENTHESES.

NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ASSY. NUMBER IN PARENTHESES PLUS (2) 128003 AND (2) 5111798.

% OBSOLETE.

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	181	183	184	186	190	194	201	203	210	216	220
		4.2250 - ELEMENT, OIL FILTER												
	5573014	ELEMENT,6V53							1					
	5574978	ELEMENT,3-53 (6") (AC TYPE PF-147) (INCLUDES GASKET IN 4.2300)												1
		4.2280 - SHELL, OIL FILTER												
	5574008	SHELL,6V53 (INCLUDES PLUG)							1					
	5574906	SHELL,3-53 (INCLUDES PLUG)							1					1
	5570480	PLUG							1					1
		4.2290 - COVER, OIL FILTER												
	5147684	COVER,6V53							1					
	5134311	ADAPTOR,3-53 (COVER)												1
	5121182	PLUG, 1/4" PIPE (2.4015)												1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												4
	103321	LOCKWASHER, 3/8" (12.9200)												4
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5108758	ADAPTOR,3,4-53 (MOUNTING)	1											
	426368	BOLT, 3/8"-16X3/4" HEX. SKT. HD. (12.9027)	4											
		4.2293 - GASKET, OIL FILTER COVER ADAPTOR												
	5121205	GASKET (MOUNTING ADAPTOR) (4.2350)	1											
		4.2300 - GASKET, OIL FILTER COVER												
	5571024	GASKET,3-53							1					1
		4.2310 - SPRING, OIL FILTER												
	5187308	SPRING,3-53							1					1

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4.2000A OIL FILTER

	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	181	183	184	186	190	194	201	203	210	216	220
		4.2315 - RETAINER, OIL FILTER SPRING												
	5187309	RETAINER,3-53							1					1
	122366	NUT, 5/8"-18 (12.9120)							1					1
		4.2330 - GASKET, OIL FILTER COVER NUT												
	5187310	GASKET, RETAINER,3-53							1					1
	6437298	GASKET,3-53							1					1
	5154538	WASHER (1.8182)							1					1
		4.2350 - GASKET, OIL FILTER ADAPTOR												
3A	5121205	GASKET,3-53	1						1				1	1
3A	5128439	GASKET,6,8V53 (4.2440)				1				1		1		
	5182874	CLIP, 1" (9.1720)								2				
	428204	BOLT, 5/8"-11X1" (12.9001)								1				
	103345	WASHER, 5/8" (12.9190)								1				
		4.2410 - STUD, OIL FILTER CENTER												
	5116427	STUD,3-53 (9.14"L.)												1
	5120740	STUD,6V53 (12.22"L.)							1					
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5130207	BRACKET,6V53		1			1							
	5132468	BRACKET,6V53				1								
	5134768	BRACKET,8V53								1				
	5136662	BRACKET,8V53										1		
	5157412	SPACER (7.4013)										4		
	186629	BOLT, 5/16"-18X1" (12.9001)		1			1							
	179839	BOLT, 3/8"-16X1" (12.9001)		1			1							
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)				2						2		
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)								2				
	120393	WASHER, 5/16" FLAT (12.9190)		1			1							
	103320	LOCKWASHER, 5/16" (12.9200)		1			1							
	103321	LOCKWASHER, 3/8" (12.9200)		1		2	1							
	103323	LOCKWASHER, 1/2" (12.9200)								2				
		4.2485 - VALVE, OIL FILTER BYPASS												
		A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486 AND 4.2488.												
	5133431	VALVE,3-53												1
	5198303	VALVE KIT,3-53												1

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 177	181	183	184	186	190	194	201	203	210	216	220
	4.2486	**- SPRING, OIL FILTER BYPASS VALVE**												
	5134477	SPRING,3-53												1
	4.2488	**- PLUG, OIL FILTER BYPASS VALVE**												
	5134456	RETAINER,3-53												1
	160221	SCREW, #12-24X1/2" PAN. HD. CR/RECESS (12.9025)												1

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4.2000A OIL FILTER

PART NUMBER	NAME AND DESCRIPTION	TYPES 221	224	225	226	227	229	232	234	235	236	238
4.2240 - FILTER ASSY., OIL												
	SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.											
5181797	# FILTER ASSY.,6,8V53 (PAGE A1) (5147683)							1		1		
5125384	# FILTER ASSY.,4-53,6V53 (PAGE B1) (5147683)								1			
5134392	= FILTER ASSY.,4-53,6,8V53 (PAGE B1) (5100800) (PAGE C1)		1			1		1			1	1
5134406	+ FILTER ASSY.,4-53 (PAGE B1)	1										
5196393	FILTER ASSY.,6V53 (PAGE B1)			1								
5134393	= FILTER ASSY.,2,3-53 (PAGE B1) (5100757) (PAGE C1)				1							
5137659	# FILTER ASSY.,6V53 (PAGE C1) (5147683)						1					
5575213	% DECAL (4.2280)				1							1
5573162	% DECAL (4.2280)	1	1	1		1	1	1	1	1	1	1
179839	BOLT, 3/8"-16X1" (12.9001)			4								
186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4										
186679	BOLT, 3/8"-16X1 1/4" (12.9001)		4									
186612	BOLT, 3/8"-16X1 3/8" (12.9001)								1			
454906	BOLT, 3/8"-16X1 1/2" (12.9001)				4	4		4			4	
181370	BOLT, 3/8"-24X1 1/4" (12.9001)						4		4			
103341	WASHER, 3/8" (12.9190)	4	4		4	4	4				4	
103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	
102635	NUT, 3/8"-16 (12.9120)									4		
117049	NUT, 3/8"-24 (12.9120)						4		4			
	# *NOT SERVICED; COMPONENTS ARE* AVAILABLE. FOR REPLACEMENT USE ASSY. NUMBER IN PARENTHESES PLUS (2) 128003 AND (2) 5111798.											
	= NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR COMPLETE REPLACEMENT USE ASSY. NUMBER IN PARENTHESES.											
	% OBSOLETE.											
	+ *NOT SERVICED, USE (1) EACH OF* ADAPTOR 5104419, GASKET 8921708 AND ELEMENT 25010495.											
4.2291 - ADAPTOR, OIL FILTER COVER												
5108758	ADAPTOR,3,4-53 (MOUNTING)							1		1		
5129617	ADAPTOR,6V53 (MOUNTING)		1									
5127268	*ADAPTOR,6V53 (MOUNTING)*										1	
426368	BOLT, 3/8"-16X3/4" HEX. SKT. HD. (12.9027)							4				
186679	BOLT, 3/8"-16X1 1/4" (12.9001)										4	
454906	BOLT, 3/8"-16X1 1/2" (12.9001)		4								4	
103341	WASHER, 3/8" (12.9190)										4	
103321	LOCKWASHER, 3/8" (12.9200)		4								4	

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 221	224	225	226	227	229	232	234	235	236	238
		4.2293 - GASKET, OIL FILTER COVER ADAPTOR											
	5121205	GASKET (MOUNTING ADAPTOR) (4.2350)	1	1		1	1		1			1	
	5128486	GASKET,6V53 (MOUNTING ADAPTOR) (4.2350)		1								1	
		4.2350 - GASKET, OIL FILTER ADAPTOR											
3A	5121205	GASKET,3-53	1										
		4.2388 - HOUSING, OIL FILTER BY-PASS VALVE											
	5134301	HOUSING,3-53								1			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								2			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)								1			
	450517	BOLT, 3/8"-16X3 3/4" (12.9001)								1			
	103321	LOCKWASHER, 3/8" (12.9200)								4			
		4.2389 - GASKET, OIL FILTER BY-PASS HOUSING											
	5123932	GASKET,3-53 (4.2350)								1			
		4.2400 - VALVE, OIL FILTER BY-PASS											
	5133431	VALVE,3-53 (4.2485)								1			
	5134477	SPRING (4.2486)								1			
	5134456	RETAINER (4.2488)								1			
	160221	SCREW, #12-24X1/2" PAN. HD. CR/RECESS (12.9050)								1			
		4.2440 - BRACKET, OIL FILTER MOUNTING											
	5134768	BRACKET,8V53											1
	5137701	BRACKET,6V53			1								
	5137739	BRACKET,6V53						1					
	5126116	BRACKET,3-53								1			
	5137965	BRACKET,4-53									1		
	5173144	SPACER (13/32"X3/4"X1 13/16") (4.8040)						2					
	179838	BOLT, 3/8"-16X7/8" (12.9001)								2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2					
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									3		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)			2								
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)						1					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)								1			
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)						1					

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4.2000A OIL FILTER

PART NUMBER	NAME AND DESCRIPTION	TYPES 221	224	225	226	227	229	232	234	235	236	238
4.2440 - BRACKET, OIL FILTER MOUNTING *(CONT'D)*												
186725	BOLT, 1/2"-13X1 1/2" (12.9001)											2
186631	BOLT, 1/2"-13X2 1/4" (12.9001)								1			
120394	WASHER, 3/8" (12.9190)						2					
103321	LOCKWASHER, 3/8" (12.9200)						AR		2			
103323	LOCKWASHER, 1/2" (12.9200)											2
4.2470 - SUPPORT, OIL FILTER MOUNTING												
5137702	+ SUPPORT,6V53			1								
186627	BOLT, 3/8"-24X1" (12.9001)			1								
179886	BOLT, 1/2"-13X1 5/8" (12.9001)			1								
103321	LOCKWASHER, 3/8" (12.9200)			1								
117049	NUT, 3/8"-24 (12.9120)			1								

+ OBSOLETE.

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 239	240	241	242	243	244	245	247	248	249	250	252
		4.2240 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5137659	@ FILTER ASSY.,6,8V53 (PAGE C1) (5147683)		1		1					1			1
	5134408	+ FILTER,4-53 ASSY. (PAGE C1)			1									
	5125025	FILTER ASSY.,3,4-53 (PAGE A1)					1			1				
	5134392	= FILTER ASSY. (5100800) (PAGE C1) (PAGE B1)							1			1	1	
	5573162	% DECAL (4.2280)		1	1	1		1	1		1	1	1	1
	5575213	% DECAL (4.2280)					1			1				
	128003	BUSHING, 1"X3/4" RED. (12.9570)					AR			AR				
	5111798	PLUG, 1" PIPE (12.9550)					AR			AR				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					4							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							4			4	4	
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		4				4	4	4	4			
	103341	WASHER, 3/8" (12.9190)			4			4	4	4		4	4	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR	AR	AR	AR	AR	AR	AR	
	123234	NUT, 3/8"-16 (BRASS) (12.9120)					4							
	117049	NUT, 3/8"-16 (BRASS) (12.9120)						4		4	4			
		@ NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ASSY. IN PARENTHESES PLUS (2) 128003 AND (2) 5111798.												
		= NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ASSY. IN PARENTHESES.												
		% OBSOLETE.												
		+ NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ONE (1) EACH OF 5104419, 8921708 AND 25010495.												
		4.2250 - ELEMENT, OIL FILTER												
3A	**5574978**	ELEMENT,3-53 (6") (AC TYPE PF-147) (INCLUDES GASKET IN 4.2300)	1											
3A	**5573014**	ELEMENT,4-53,6V53						1						
		4.2270 - SPACER, OIL FILTER												
	5157412	SPACER,4-53 (7.4013)								3				
		4.2280 - SHELL, OIL FILTER												
	5574906	SHELL,3-53 (INCLUDES PLUG)	1							1				
3A	**5574008**	SHELL,3,4-53,6V53 (INCLUDES PLUG)						1						
	5570480	PLUG (2.3050)	1					1		1				

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 239	240	241	242	243	244	245	247	248	249	250	252
		4.2290 - COVER, OIL FILTER												
3A	**5134311**	ADAPTOR,3-53,6V53 (COVER)	1											
	5147684	ADAPTOR						1		1				
	5121182	PLUG, 1/4" PIPE (2.4015)	2											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4		4					4				
3A	**103321**	LOCKWASHER, 3/8" (12.9200)	4											
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5134304	ADAPTOR,6,8V53 (TO BLOCK) (STRAIGHT) (4.3025)				1								
	5109340	ADAPTOR,4-53 (MOUNTING)							1					
	5142751	ADAPTOR,8V53 (MOUNTING)										1		
	5108821	ADAPTOR,8V53 (MOUNTING)											1	
	5134302	ADAPTOR,6,8V53 (TO BLOCK) (90 DEG.) (4.2240)												1
	426368	BOLT, 3/8"-16X3/4" HEX. SKT. HD. (12.9001)							4					
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				4								
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				4	3			3		4	4	4
	103341	WASHER, 3/8" (12.9190)				4						4		
	103321	LOCKWASHER, 3/8" (12.9200)				AR						AR	AR	AR
		4.2293 - GASKET, OIL FILTER COVER ADAPTOR												
	5121205	GASKET (MOUNTING ADAPTOR) (4.2350)			1				1			1		
	5108828	GASKET,6,8V53											1	
	5133263	GASKET,6V53 (MOUNTING ADAPTOR) (4.3027)				1								
		4.2300 - GASKET, OIL FILTER COVER												
	5571024	GASKET,3-53 (4.2300)	1											
		4.2310 - SPRING, OIL FILTER												
3A	**5187308**	SPRING,3,4-53,6V53	1					1		1				
		4.2315 - RETAINER, OIL FILTER SPRING												
3A	**5187309**	RETAINER,3,4-53,6V53	1					1		1				
3A	**122366**	NUT, 5/8"-18 (12.9120)	1					1		1				
		4.2330 - GASKET, OIL FILTER COVER NUT												
3A	**5187310**	GASKET, RETAINER 3,4-53,6V53	1					1		1				
3A	**6437298**	GASKET,3,4-53,6V53	1					1		1				
3A	**5154538**	WASHER (1.8182)	1					1		1				

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 239	240	241	242	243	244	245	247	248	249	250	252
		4.2350 - GASKET, OIL FILTER ADAPTOR												
3A	**5121205**	GASKET,3,4-53	1						1	1			1	
3A	**5128039**	GASKET,8V53										1		1
	5137549	GASKET,6,8V53						1						
	5128439	GASKET,8V53 (4.2440)								1				
	5571024	GASKET,4-53,6V53 (4.2300)												
		4.2410 - STUD, OIL FILTER CENTER												
	5116427	STUD,3-53	1							1				
3A	**5120740**	STUD,4-53,6V53						1						
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5137753	BRACKET,8V53		1										
	5137965	BRACKET,3,4-53					1			1				
	5130207	BRACKET,6V53						1						
	5124849	SPACER,6V53,25/64"I.D.X3/4"O.D.X. 76" (7.4538)						2						
	5140645	SPACER,8V53, 17/32"X1.00"X.84" (7.1581)		1										
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)						1						
	179839	BOLT, 3/8"-16X1" (12.9001)								3				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					3							
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)						1						
	179886	* BOLT, 1/2"-13X1 5/8" (12.9001)		1										
	186631	* BOLT, 1/2"-13X2 1/4" (12.9001)		1										
	179883	# BOLT, 1/2"-13X3" (12.9001)		2										
	120393	WASHER, 5/16" (12.9190)						1						
	103320	LOCKWASHER, 5/16" (12.9200)						AR						
	103321	LOCKWASHER, 3/8" (12.9200)					AR	AR		AR				
	103323	LOCKWASHER, 1/2" (12.9200)		AR										
		* USE WHEN MARINE GEAR IS SPECIFIED.												
		# USE WHEN NO MARINE GEAR IS SPECIFIED.												
		4.2485 - VALVE, OIL FILTER BYPASS												
		A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486, AND 4.2488.												
3A	**5133431**	VALVE	1			1								1
	5198303	VALVE KIT	1			1								1
		4.2486 - SPRING, OIL FILTER BYPASS VALVE												
3A	**5134477**	SPRING	1			1								1

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 239	240	241	242	243	244	245	247	248	249	250	252
		4.2488 - PLUG, OIL FILTER BYPASS VALVE												
3A	**5134456**	RETAINER	1			1								1
3A	**160221**	SCREW, #12-24X1/2" CR. REC. HD. (12.9026)	1			1								1
		4.2497 - TUBE, LOW OIL PRESSURE SWITCH												
	5121182	PLUG, 1/4" PIPE (12.9550)					1			1				

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	260	268	274	275	279	284	288	291	306
		4.2240 - FILTER ASSY., OIL											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.											
	5137659	@ FILTER ASSY.,6,8V53 (PAGE C1) (5147683)									1		1
	5125025	FILTER ASSY.,3,4-53 (PAGE A1)				1							
	5134392	= FILTER ASSY. (5100800) (PAGE C1) (PAGE B1)							1				
	5134393	= FILTER ASSY.,2-53 (5100757) (PAGE C1) (PAGE B1)	1										
	5136237	+ FILTER ASSY.,3-53 (PAGE B1) (4.2001)			1								
	5136524	FILTER ASSY.,8V53 (PAGE C1)					1			1			
	5199700	= FILTER ASSY.,3-53 (5100758) (PAGE C1)											
	5573162	% DECAL (4.2280)					1	1	1		1		1
	5575213	% DECAL (4.2280)	1	1	1	1				1			
	127849	* ELBOW, 1/2"-90 DEG. STREET (12.9590)		1									
	5115214	* PLUG, 1/2" PIPE (12.9550)		1									
	5111798	PLUG, 1" PIPE (12.9550)									1		
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	4						4				
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			4			4			4		4
	103341	WASHER, 3/8" (12.9190)	4		4				4				
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR			AR	AR		AR		AR
	117049	NUT, 3/8"-24 (12.9120)			4			4			4		4
		@ NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ASSY. IN PARENTHESES PLUS (2) 128003 AND (2) 5111798.											
		= NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ASSY. IN PARENTHESES.											
		+ ASSY. NOT SERVICED; USE COMPONENTS.											
		* ASSEMBLE IN CYLINDER BLOCK.											
		% OBSOLETE.											
		4.2250 - ELEMENT, OIL FILTER											
3A	**5574978**	ELEMENT,3-53 (6") (AC TYPE PF-147) (INCLUDES GASKET IN 4.2300)								1			
3A	**5573014**	ELEMENT,4-53,6V53		1				1				1	
		4.2270 - SPACER, OIL FILTER											
	5157412	SPACER,4-53 (7.4013)						3					
	5143064	SPACER,3-53 (4.2290)						1	1				

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	260	268	274	275	279	284	288	291	306
		4.2280 - SHELL, OIL FILTER											
	5574906	SHELL,3-53 (INCLUDES PLUG)								1			
3A	**5574008**	SHELL,3,4-53,6V53 (INCLUDES PLUG)		1				1					
	5570480	PLUG (2.3050)		1				1		1			
		4.2290 - COVER, OIL FILTER											
3A	**5134311**	ADAPTOR,3-53,6V53 (COVER)		1									
	5147684	ADAPTOR,3,4-53,6V53						1					
	5134908	# ADAPTOR,3-53								1			
	5121182	PLUG, 1/4" PIPE (2.4015)		1						2			
3A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)		4									
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)								4			
	103341	WASHER, 3/8" (12.9190)								4			
3A	**103321**	LOCKWASHER, 3/8" (12.9200)		4						4			
		# NOT SERVICED; USE 5100818 ADAPTOR AND 5573711 GASKET.											
		4.2291 - ADAPTOR, OIL FILTER COVER											
	5134304	ADAPTOR,6,8V53 (TO BLOCK) (STRAIGHT) (4.3025)										1	
	5134302	ADAPTOR,6,8V53 (TO BLOCK) (90 DEG.) (4.2240)									1		1
	5139178	ADAPTOR,4-53 (MOUNTING)		1									
	5122388	+ SPACER, (SD-157)	1										
	5147341	SPACER (4.2290)											1
	5121182	PLUG, 1/4" PIPE (12.9550)										1	
	138242	BOLT, 3/8"-16X1" (12.9001)		1									
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		3							4	4	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)											4
	103341	WASHER, 3/8" (12.9190)										4	
	103321	LOCKWASHER, 3/8" (12.9200)		AR							AR	AR	AR
		+ OBSOLETE.											
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR											
	5121205	GASKET (MOUNTING ADAPTOR) (4.2350)		1					1	1			
	5108828	GASKET,6,8V53		1									
	5133263	GASKET,6V53 (MOUNTING ADAPTOR) (4.3027)										1	
		4.2310 - SPRING, OIL FILTER											
3A	**5187308**	SPRING,3,4-53,6V53		1				1		1			

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	260	268	274	275	279	284	288	291	306
		4.2315 - RETAINER, OIL FILTER SPRING											
3A	5187309	RETAINER,3,4-53,6V53		1				1		1			
3A	122366	NUT, 5/8"-18 (12.9120)		1				1		1			
		4.2330 - GASKET, OIL FILTER COVER NUT											
3A	5187310	GASKET, RETAINER		1				1		1			
3A	6437298	GASKET,3,4-53,6V53		1				1		1			
3A	5154538	WASHER (1.8182)		1				1		1			
		4.2350 - GASKET, OIL FILTER ADAPTOR											
3A	5121205	GASKET,3,4-53				1					1		1
	5137549	GASKET,6,8V53											
	5128439	GASKET,8V53 (4.2440)	1										
	5571024	GASKET,4-53,6V53 (4.2300)		1				1					
		4.2410 - STUD, OIL FILTER CENTER											
	5116427	STUD,3-53								1			
3A	5120740	STUD,4-53,6V53		1				1					
		4.2440 - BRACKET, OIL FILTER MOUNTING											
	5137965	BRACKET,3,4-53						1					
	5140034	* BRACKET,3-53			1						1		1
	5137739	BRACKET,6V53											
	5160629	SPACER, 13/32"X7/32" (4.2270)			1								
	5173144	SPACER, 13/32"X3/4"X1 13/16" (4.8040)									2		2
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)			1								
	179839	BOLT, 3/8"-16X1" (12.9001)						3					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2						2		2
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)									1		1
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)											1
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)									1		
	120393	WASHER, 5/16" (12.9190)			1								
	103341	WASHER, 3/8" (12.9190)			2						2		2
	120394	WASHER, 13/32" (12.9190)											
	103320	LOCKWASHER, 5/16" (12.9200)			AR			AR			AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)											
	114493	NUT, 5/16"-24 (12.9120)			1								
		* OBSOLETE.											
		4.2485 - VALVE, OIL FILTER BYPASS											
		A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486, AND 4.2488.											
3A	5133431	VALVE		1				1		1	1		1

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	260	268	274	275	279	284	288	291	306
		4.2485 - VALVE, OIL FILTER BY-PASS (CONT'D)											
	5198303	VALVE KIT		1				1		1	1	1	1
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE											
3A	5134477	SPRING		1				1		1	1	1	1
		4.2488 - PLUG, OIL FILTER BY-PASS VALVE											
3A	5134456	RETAINER		1				1		1	1	1	1
3A	450865	+ # SCREW, #12-24X3/4" RD. HD. (12.9065)		1				1		1	1	1	1
3A	160221	* SCREW, #12-24X1/2" CR. REC. HD. (12.9065)		1				1		1	1	1	1
		+ EARLY ENGINES * LATE ENGINES # NOT SERVICED, USE 160221.											
		4.2495 - BRACKET, OIL PRESSURE SWITCH											
	5188572	BRACKET ASSY.,6V53		1									
	272473	BOLT, 3/8"-16X3 7/8" (12.9001)		1									
	103341	WASHER, 3/8" (12.9190)		1									
		4.2497 - TUBE, LOW OIL PRESSURE SWITCH											
	5142710	TUBE ASSY.,6V53 (DEV. L. 10.10")		1									
	5121182	PLUG, 1/4" PIPE (2.4015)		1									
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		1									

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 313	314	331	332	336	337	345	349	350	351	353	354	355
		4.2240 - FILTER ASSY., OIL													
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.													
	5147683	FILTER ASSY., 6V53 (PAGE C1)						1		1					1
	5134392	+ FILTER ASSY.,4-53(5100800) (PAGE B1)	1												
	5105058	* FILTER ASSY.,3-53(PAGE A1)				1									
	5134393	+ FILTER ASSY.,3-53(5100757) (PAGE B1)		1											
	5105075	* FILTER ASSY.,3-53 (PAGE A1)			1										
	5107009	FILTER ASSY., 6V53 (PAGE C1)							1						
	5100800	FILTER ASSY., 4-53, 6, 8V53 (PAGE C1)									1	1			
	5100757	FILTER ASSY., 2, 3-53 (PAGE C1)											1		
	5134408	# FILTER ASSY., 4-53 (PAGE C1)												1	
	5104201	FILTER ASSY., 4-53 (PAGE C1)					1								
	5573162	% DECAL (4.2280)	1												
	5575213	% DECAL (4.2280)		1											
	5105050	% DECAL (PORTUGUESE)			1	1									
	5111798	PLUG, 1" PIPE (12.9550)								2					2
	179839	BOLT, 3/8"-16 X 1" (12.9001)							4						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4			4						4	
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)	4	4			2			2	4	4	4		
	108608	BOLT, 3/8"-16 X 2 1/8" (12.9001)								2					
	9418964	BOLT, 3/8"-16X5" (12.9001)					2								
	103341	WASHER, 3/8" (12.9190)	4	4		4	4	4		4	4	4	4		
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	
	123221	NUT, 3/8"-16 (12.9120)						4							
		+ NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR REPLACEMENT USE ASSY. IN PARENTHESES.													
		% OBSOLETE.													
		* NOT SERVICED, USE 5104419 ADAPTOR, 8921708 GASKET AND 25011106 FILTER ELEMENT.													
		# NOT SERVICED; COMPONENTS ARE AVAILABLE. FOR REPLACEMENT USE ONE (1) EACH OF 5104419, 8921708 AND 25010495.													
		4.2250 - ELEMENT, OIL FILTER													
3A	5574978	ELEMENT,3-53 (6") (AC TYPE PF-147) (INCLUDES GASKET IN 4.2300)		1											
3A	5573014	ELEMENT,4V53 (9") (AC TYPE PF-132) (INCLUDES GASKET IN 4.2300)	1												
		4.2291 - ADAPTOR, OIL FILTER COVER													
	5134304	ADAPTOR, 6V53							1						1
	5104771	ADAPTOR, 6V53								1					
	5108821	ADAPTOR, 4, 6, 8V-53										1			
	5121182	PLUG, 1/4" PIPE (2.4015)							1						
	138242	BOLT, 3/8"-16 X 1" SOCKET HEAD (12.9027)										1			
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)							4						4
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)										3			
	103321	WASHER, 3/8" (12.9200)							4			3			4
	103341	LOCKWASHER, 3/8" (12.9190)							4						4

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 313	314	331	332	336	337	345	349	350	351	353	354	355
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR													
	5133263	GASKET (4.3027)							1						1
	5108828	GASKET										1			
		4.2350 - GASKET, OIL FILTER ADAPTOR													
	5121205	GASKET, 3, 4-53	1	1	1	1	1				1	1	1	1	
	5104866	GASKET, 6V53								1					
		4.2440 - BRACKET, OIL FILTER MOUNTING													
	5103556	BRACKET, 6V53						1							
	5107020	BRACKET, 6V53							1						
	5160629	SPACER, 13/32"X7/32" (4.2270)						2							
	9425364	BOLT, 3/8"-24X4 1/2" (12.9001)						2							
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)						2							
	120393	WASHER, 5/16" (12.9190)						4							
	103026	NUT, 3/8"-24 (12.9120)						2							
		4.2485 - VALVE, OIL FILTER BYPASS													
		A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486 AND 4.2488.													
	5133431	VALVE, 3-53							1	1					1
	5198303	VALVE KIT, 3-53							1	1					1
		4.2486 - SPRING, OIL FILTER BYPASS VALVE													
	5134477	SPRING, 3-53							1	1					1
		4.2488 - PLUG, OIL FILTER BYPASS VALVE													
	5134456	RETAINER, 3-53							1	1					1
	160221	SCREW, #12-24 X 1/2" (12.9025)							1	1					1

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	357	358	359	360	361	362	363	364	365	366	367
		4.2240 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5147683	FILTER ASSY., 6V53 (PAGE C1)	1				1	1	1	1				
	5100759	+ FILTER ASSY., 6V53 (PAGE C1)		1										
	5134406	# FILTER ASSY., 4-53 (PAGE B1)			1									
	5105075	* FILTER ASSY., 3-53 (PAGE A1)				1								
	5105058	* FILTER ASSY., 3-53 (PAGE A1)									1			
	5107009	FILTER ASSY., 6V-53 (PAGE C1)										1		
	5100800	FILTER ASSY., 6V-53 (PAGE C1)											1	1
	5111798	PLUG, 1" PIPE (12.9550)	2				2	2	2	2				
	181370	BOLT, 3/8"-24 X 1 1/4" (12.9001)	4					4	4	4				
	186318	BOLT, 3/8"-24 X 5 1/4" (12.9001)							1	1				
	179839	BOLT, 3/8"-16 X 1" (12.9001)										4		
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)	2					2	2	2				
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)			4	4					4			
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)		4									4	
	186282	BOLT, 3/8"-16 X 3 1/4" (12.9001)												4
	186658	BOLT, 3/8"-24 X 5 1/2" (12.9001)	1					1						
	215510	BOLT, 3/8"-16 X 5 3/4" (12.9001)	1					1	1	1				
	5173144	SPACER, 13/32" X 3/4" X 1 13/16" (4.8040)	2					2	2	2				
	120394	WASHER, 5/16" (12.9190)	2					2	2	2				
	103341	WASHER, 3/8" (12.9200)		4									4	4
	103321	LOCKWASHER, 3/8" (12.9200)	6	4	4	4		6	6	6	4	4	4	4
	117049	NUT, 3/8"-24 (12.9120)	4					4	4	4				
		+ NOT SERVICED, USE 5100800.												
		* NOT SERVICED, USE 5104419 ADAPTOR, 8921708 GASKET AND 25011106 FILTER ELEMENT.												
		# NOT SERVICED, USE 5104419 ADAPTOR, 8921708 GASKET AND 25010495 FILTER ELEMENT.												
		4.2250 - ELEMENT, OIL FILTER												
3A	5574978	ELEMENT, 3-53 (6") (AC TYPE PF-147) (INCLUDES GASKET IN 4.2300)									1			
		4.2270 - SPACER, OIL FILTER												
	5143064	SPACER, 3-53 (4.2290)												1
		4.2280 - SHELL, OIL FILTER												
3A	5574906	SHELL, 3-53 (INCLUDES PLUG IN 4.2280)									1			
3A	5570480	PLUG (2.3050)									1			
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5134302	ADAPTOR, 6V53 (90 DEG.) (4.2240)	1					1	1	1				
	5127268	ADAPTOR, 6V53		1										
	5134303	ADAPTOR, 4-53					1							
	5134311	ADAPTOR, 3-53 (4.2290)									1			

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	357	358	359	360	361	362	363	364	365	366	367
		4.2291 - ADAPTOR, OIL FILTER COVER (CONT'D)												
	5134304	ADAPTOR, 6V53 (STRAIGHT) (4.3025)										1		
	5129617	ADAPTOR, 6V-53											1	
	5121182	PLUG, 1/4" PIPE (2.4015)									1			
	5147341	SPACER (4.2290)								1				
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)	4	4			4	4	4			4		
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)											4	
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)								4				
	103341	WASHER, 3/8" (12.9190)										4		
	103321	LOCKWASHER, 3/8" (12.9200)	4	4			4	4	4	4		4	4	
		4.2293 - GASKET, OIL FILTER COVER ADAPTOR												
	5137549	GASKET	1					1	1	1				
	5128486	GASKET		1									1	
	5121205	GASKET				1	1							
	5133263	GASKET										1		
		4.2300 - GASKET, OIL FILTER COVER												
3A	5571024	GASKET, 3-53									1			
		4.2310 - SPRING, OIL FILTER												
3A	5187308	SPRING, 3-53									1			
		4.2315 - RETAINER, OIL FILTER SPRING												
3A	5187309	RETAINER, 3-53									1			
3A	122366	NUT, 5/8"-18 (12.9120)									1			
		4.2330 - GASKET, OIL FILTER COVER NUT												
3A	5187310	GASKET, RETAINER									1			
3A	5154538	WASHER (1.8182)									1			
3A	6437298	GASKET, 3-53									1			
		4.2350 - GASKET, OIL FILTER ADAPTOR												
3A	5121205	GASKET, 6V53		1	1						1		2	1
		4.2410 - STUD, OIL FILTER CENTER												
3A	5116427	STUD, 3-53									1			
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5137739	BRACKET, 6V53	1	1					1	1				
	5107020	BRACKET, 6V53										1		

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 356	357	358	359	360	361	362	363	364	365	366	367
		4.2485 - VALVE, OIL FILTER BY-PASS												
		A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486 AND 4.2488.												
3A	**5133431**	VALVE	1				1	1	1	1	1	1		
	5198303	VALVE KIT	1				1	1	1	1	1	1		
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE												
3A	**5134477**	SPRING	1				1	1	1	1	1	1		
		4.2488 - PLUG, OIL FILTER BY-PASS VALVE												
3A	**5134456**	RETAINER	1				1	1	1	1	1	1		
3A	**160221**	SCREW, #12-24 X 1/2" (12.9026)	1				1	1	1	1	1	1		

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 412	413	414	416	417	418	419	420	421	422	423	424
		4.2240 - FILTER ASSY., OIL												
	5104115	ADAPTOR AND INSERT ASSY. (SPIN-ON)	1					1	1	1		1	1	1
	5104419	ADAPTOR ASSY. (SPIN-ON)		1	1	1	1				1			
	5103762	+ ADAPTOR AND INSERT ASSY. (SPIN-ON)		1	1	1	1				1			
	5111798	PLUG, 1" PIPE (12.9550)	2					2	2	2		2		
	8924152	BUSHING, 1X3/4" RED. (12.9570)						2						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			4						4			
	179845	BOLT, 3/8"-16X1 3/4" (12.9001)				4	4							
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		4										
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)								4			4	4
	103341	WASHER, 3/8" (12.9190)	4	4	4	4				4				
	103321	LOCKWASHER, 3/8" (12.9200)		4	4	4	4			4	4		4	4
	117049	NUT, 3/8"-24 (12.9120)								4			4	4
		+ NOT SERVICED, USE 5104419 ADAPTOR.												
		4.2250 - ELEMENT, OIL FILTER												
3A	**25010495**	ELEMENT	1	1	1	1	1	1	1	1	1	1		1
3A	**25011106**	ELEMENT											1	
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5129617	ADAPTOR			1									
	5108758	ADAPTOR				1								
	5109340	ADAPTOR					1							
	5127268	ADAPTOR									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			4									
	426368	BOLT, 3/8"-16X3/4" (12.9001)				4	4							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									4			
	103321	LOCKWASHER, 3/8" (12.9200)			4						4			
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR												
	5128486	GASKET			1						1			
	5121205	GASKET				1	1							
		4.2350 - GASKET, OIL FILTER ADAPTOR												
	8921708	GASKET		1	1	1	1				1			
		4.2485 - VALVE, OIL FILTER BYPASS												
3A	**5133431**	VALVE		1	1	1	1				1			
		4.2486 - SPRING, OIL FILTER BYPASS VALVE												
3A	**5134477**	SPRING		1	1	1	1				1			
		4.2488 - PLUG, OIL FILTER BYPASS VALVE												
3A	**5134456**	RETAINER		1	1	1	1				1			
3A	**160221**	SCREW, #12-24X1/2" (12.9026)		1	1	1	1				1			
	5121182	PLUG, 1/4" PIPE (2.4015)		2	2	2	2				2			

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 412	413	414	416	417	418	419	420	421	422	423	424
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5137739	BRACKET								1				
	5137965	BRACKET											1	1
	5173144	SPACER, 13/32"X3/4"X1 13/16" (4.8040)								2				
	5157412	SPACER, 13/32"X7/8"X1/4"											3	3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								2				
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)								1				
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)								1				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)											3	3
	120394	WASHER, 13/32"X13/16" (12.9190)								2				
	103321	LOCKWASHER, 3/8" (12.9200)								3			3	3

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 425	426	428	429	430	431	432	433	434	435	447	455
		4.2240 - FILTER ASSY., OIL												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5100800	FILTER ASSY., 6V53 (PAGE C1)												1
	5104419	ADAPTOR ASSY. (SPIN-ON)	1						1	1		1		
	5103762	+ ADAPTOR AND INSERT ASSY. (SPIN-ON)	1						1	1		1		
	5104115	ADAPTOR AND INSERT ASSY. (SPIN-ON)		1	1	1	1				1			
	5104420	ADAPTOR ASSY. (SPIN-ON)						1					1	
	5103892	INSERT (SPIN-ON)						1					1	
	5111798	PLUG, 1" PIPE (12.9550)		2	2	2	2				2			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)												4
	179845	BOLT, 3/8"-16X1 3/4" (12.9001)	4						4			4		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		4	4		4							
	179839	BOLT, 3/8"-16X1" (12.9001)						4						
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)								4				
	103341	WASHER, 3/8" (12.9190)	4						4	4		4		4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4		4	4	4	4		4		4
	117049	NUT, 3/8"-24 (12.9120)		4	4		4							
		+ NOT SERVICED, USE 5104419 ADAPTOR.												
		4.2250 - ELEMENT, OIL FILTER												
3A	25010495	ELEMENT	1	1	1	1		1		1				
3A	25011106	ELEMENT					1		1		1	1	1	
		4.2291 - ADAPTOR, OIL FILTER COVER												
	5106221	ADAPTOR, 6V53												1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)												2
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)												2
	103341	WASHER, 3/8" (12.9200)												4
	103321	LOCKWASHER, 3/8" (12.9190)												4
		4.2270 - SPACER, OIL FILTER												
	5143064	SPACER, 3-53 (4.2290)								1				
		4.2293 - GASKET, OIL FILTER ADAPTOR TO OIL COOLER ADAPTOR												
	5121205	GASKET								1				1
		4.2350 - GASKET, OIL FILTER ADAPTOR												
	8921708	GASKET	1						1	1		1		
	5104866	GASKET												1
		4.2440 - BRACKET, OIL FILTER MOUNTING												
	5137739	BRACKET		1	1									
	5137965	BRACKET					1							
	5107020	BRACKET						1						
	5173144	SPACER, 13/32"X3/4"X1 13/16" (4.8040)		2	2									
	5157412	SPACER, 13/32"X7/8"X1/4" (7.4013)					3							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2									
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					3							

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4255	4266	4288	4299	4300	4311	4322	4333	4344	4355	4477	4555
		4.2440 - BRACKET, OIL FILTER MOUNTING (CONT'D)												
	186658	BOLT, 3/8"-24X5 1/2" (12.9001)		1										
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)		1	1									
	186318	BOLT, 3/8"-24X5 1/4" (12.9001)			1									
	120394	WASHER, 13/32"X13/16" (12.9190)		2	2									
	103321	LOCKWASHER, 3/8" (12.9200)		2	2		3							
		4.2485 - VALVE, OIL FILTER BYPASS												
3A	5133431	VALVE	1					1	1	1		1	1	
		4.2486 - SPRING, OIL FILTER BYPASS VALVE												
3A	5134477	SPRING	1					1	1	1		1	1	

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4255	4266	4288	4299	4300	4331	4332	4333	4334	4335	4447	4555
		4.2488 - PLUG, OIL FILTER BYPASS VALVE												
3A	**5134456**	RETAINER	1					1	1	1		1		
3A	**160221**	SCREW, #12-24X1/2" (12.9026)	1					1	1	1		1		
	5121182	PLUG, 1/4" PIPE (12.9550)	2					1	2	2		2	1	
	5126686	PLUG, 1 1/4"-16						1					1	
		4.2489 - GASKET, OIL FILTER BYPASS PLUG												
	5575086	GASKET						1					1	

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4 6 6
		4.2240 - FILTER ASSY., OIL	
		SEE ASSEMBLY BREAKDOWN AS INDICATED ON PAGE C1.	
	5100759	* FILTER ASSY., 6V53	1
	5111798	PLUG, 1" PIPE (12.9550)	2
		* NOT SERVICED, USE 5100800.	
		4.2350 - GASKET, OIL FILTER ADAPTOR	
	5121205	GASKET	1

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2240 - FILTER ASSY., OIL														
	5121120	+ FILTER ASSY.	1													
	5121143	+ FILTER ASSY.,2,3-53		1												
	5122527	+ FILTER ASSY.,4-53			1											
	5125025	FILTER ASSY.,2,3-53				1										
	5126546	FILTER ASSY.,8V53					1									
	5181797	FILTER ASSY.4-53,6,8V53						1								
	5570098	+ FILTER ASSY.,2-53							1							
	5572941	FILTER ASSY.,2-53								1						
	5126275	+ FILTER ASSY.,4-53									1					
	5126276	+ FILTER ASSY.,4-53										1				
	5105075	+ FILTER ASSY.,3-53											1			
	5105058	+ FILTER ASSY.,3-53												1		
		+ NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		4.2250 - ELEMENT, OIL FILTER														
3A	**5573014**	ELEMENT,6V53 (9") (AC TYPE PF-132) (INCLUDES GASKET IN 4.2300)	1		1		2	1			1	1				
3A	**5574978**	ELEMENT,3-53 (6") (AC TYPE PF-147) (INCLUDES GASKET IN 4.2300)		1		1							1	1		
3A	**5572288**	ELEMENT (AC TYPE P-115) (INCLUDES GASKET IN 4.2300)							1							
	5572425	ELEMENT (AC TYPE P-117) (INCLUDES GASKET IN 4.2300)								1						
	5570487	+ SPACER							1							
		+ OBSOLETE.														
		4.2280 - SHELL, OIL FILTER														
3A	**5574008**	SHELL (INCLUDES PLUG)	1		1		2	1		1	1	1				
3A	**5574906**	SHELL (INCLUDES PLUG)		1		1							1	1		
	5572667	+ SHELL							1							
3A	**5570480**	PLUG (2.3050)	1	1	1	1	2	1		1	1	1				
		+ OBSOLETE														
		4.2290 - COVER, OIL FILTER (ADAPTOR)														
3A	**5121124**	* ADAPTOR (5134908)	1	1												
	5122524	@ ADAPTOR,4-53			1											
	5147684	ADAPTOR,2,3-53				1		1								
3A	**5124138**	ADAPTOR,8V53					1									
	5134311	ADAPTOR,4-53									1			1		
	5126214	* ADAPTOR,4-53 (5134311)									1					
	5134312	ADAPTOR,3,4-53										1	1			
	5126215	* ADAPTOR,4-53 (5134312)										1				
	5574128	+ COVER,2-53							1							
	5571505	COVER,2-53								1						

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2290 - COVER, OIL FILTER (ADAPTOR) (CONT'D)														
	5571540	TUBE,4-53 (1 9/16" L.)									2					
3A	**5121182**	PLUG, 1/4" PIPE (2.4015)	2	2	2	2		2		1	1	1	1	1		
	112578	PLUG, 1/4" BR. PIPE (12.9550)						1		1						
		* NOT SERVICED, USE PART NUMBER SHOWN PLUS (1) 5198303 VALVE KIT.														
		@ NOT SERVICED; USE 5134311 (LH UNITS) OR 5134312 (RH UNITS) PLUS (1) 5198303 VALVE KIT.														
		+ OBSOLETE.														
		4.2300 - GASKET, OIL FILTER COVER														
3A	**5571024**	GASKET	1	1	1	1	2	1		1	1	1	1	1		
		4.2310 - SPRING, OIL FILTER														
3A	**1503518**	SPRING								1						
3A	**5187308**	SPRING	1	1	1	1	2	1			1	1	1	1		
		4.2315 - RETAINER, OIL FILTER SPRING														
3A	**5187309**	RETAINER	1	1	1	1	2	1			1	1	1	1		
3A	**5120602**	* RING, RETAINER SNAP	1	1	1	1	2	1			1	1				
	122366	@ NUT, 5/8"-18 (12.9120)	1	1	1	1	2	1			1	1	1	1		
		* THRU 2D-14198, 3D-6234, 4D-8702, 6D-2867.														
		@ EFFECTIVE WITH 2D-14199, 3D-6235, 4D-8703, 6D-2868.														
		4.2330 - GASKET, OIL FILTER COVER NUT														
3A	**5187310**	GASKET, RETAINER	1	1	1	1	2	1			1	1	1	1		
3A	**6437298**	GASKET	1	1	1	1	2	1	1	1	1	1	1	1		
	5154538	WASHER (1.8182)	1	1	1	1	2	1			1	1	1	1		
		4.2410 - STUD, OIL FILTER CENTER														
3A	**1595893**	STUD								1						
3A	**5116427**	STUD		1		1							1	1		
3A	**5120740**	STUD	1		1		2	1			1	1				
		4.2485 - VALVE, OIL FILTER BY-PASS														
3A	**5133431**	VALVE	1	1	1						1	1	1	1		

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE														
3A	**5134477**	SPRING	1	1	1						1	1	1	1		
		4.2488 - PLUG, OIL FILTER BY-PASS VALVE														
	5126686	PLUG					1									
3A	**5134456**	RETAINER	1	1	1						1	1	1	1		
3A	**450865**	+ # SCREW, #12-24X3/4" RD. HD. (12.9025)	1	1	1						1	1				
3A	**160221**	* SCREW, #12-24X1/2" CR. REC. HD. (12.9065)	1	1	1						1	1	1	1		
		+ EARLY ENGINES * LATE ENGINES # NOT SERVICED, USE 160221.														
		4.2489 - GASKET, OIL FILTER BY-PASS VALVE PLUG														
	5575086	GASKET					1									

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2240 - FILTER ASSY., OIL														
	5126283	@ FILTER ASSY.,3-53	1													
	5126284	@ FILTER ASSY.,3-53		1												
	5196393	FILTER ASSY.,3-53,6V53			1											
	5125384	@ FILTER ASSY.,3-53,6V53				1										
	2325391	FILTER ASSY.,6V53					1									
	5572942	@ FILTER ASSY.,3-53						1								
	5134392	@ FILTER ASSY.							1							
	5136237	@ FILTER ASSY.,3-53								1						
	5134406	@ FILTER ASSY.,4-53									1					
	5134393	@ FILTER ASSY.,2-53										1				
		@ SHOWN FOR COMPONENT REFERENCE ONLY.														
		4.2250 - ELEMENT, OIL FILTER														
3A	**5574978**	ELEMENT (6") (AC TYPE PF-147) (INCLUDES GASKETS IN 4.2300)	1	1						1		1				
3A	**5573014**	ELEMENT (9") (AC TYPE PF-132) (INCLUDES GASKETS IN 4.2300)			1	1			1		1					
3A	**5573898**	ELEMENT (AC TYPE C-267)					1									
	5572425	ELEMENT (AC TYPE P-117) (INCLUDES GASKETS IN 4.2300)						1								
		4.2270 - SPACER, OIL FILTER														
	5570487	+ SPACER						1								
		+ OBSOLETE.														
		4.2280 - SHELL, OIL FILTER														
3A	**5574906**	SHELL (INCLUDES PLUG)	1	1						1		1				
3A	**5574008**	SHELL (INCLUDES PLUG)			1	1			1		1					
	5572409	+ SHELL (INCLUDES PLUG)						1								
	5570480	PLUG (2.3050)	1	1	1	1			1		1	1				
	5121182	PLUG, 1/4 PIPE (12.9550)						1		1						
		+ OBSOLETE.														
		4.2290 - COVER, OIL FILTER														
	5126214	* ADAPTOR	1													
	5126215	* ADAPTOR		1												
	5123382	ADAPTOR			1											
	5125383	# ADAPTOR (5147684)				1										
	5574128	+ ADAPTOR (INCLUDES ITEMS IN 4.2310, 4.2320, 4.2330)						1								
	5134908	= ADAPTOR							1			1				
	5109904	# ADAPTOR (5147684)								1						

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4.2000A OIL FILTER

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	4.2290 - COVER, OIL FILTER (CONT'D)														
	5134311 ADAPTOR									1					
3A	**5121182** PLUG, 1/4" PIPE (12.9550)	1	1	1	1			2	2	1	2				
	# NOT SERVICED. FOR REPLACEMENT USE NUMBER SHOWN IN PARENTHESES PLUS (2) 128003 AND (2) 5111798.														
	= NOT SERVICED; USE 5100818 PLUS (1) 5573711 OR USE ELEMENT PACKAGE.														
	+ OBSOLETE.														
	* NOT SERVICED, USE 5104419 ADAPTOR, 8921708 GASKET AND EITHER 25010495 OR 25011106 FILTER ELEMENT.														
	4.2300 - GASKET, OIL FILTER COVER														
3A	**5571024** GASKET (RECTANGULAR SECTION)	1	1	1	1		1	1	1	1	1				
	5573711 GASKET (SQUARE SECTION)							1			1				
	4.2310 - SPRING, OIL FILTER														
3A	**5187308** SPRING	1	1	1	1			1	1	1	1				
	5574129 + SPRING						1								
	+ OBSOLETE.														
	4.2315 - RETAINER, OIL FILTER SPRING														
3A	**5187309** RETAINER	1	1	1	1			1	1	1	1				
3A	**5120602** * RETAINER (SNAP RING) (2.4227)	1	1	1											
	122366 @ NUT, 5/8"-18 (12.9120)	1	1	1	1			1	1	1	1				
	* THRU 2D-14198, 3D-6234, 4D-8702, 6D-2867.														
	@ EFFECTIVE WITH 2D-14199, 3D-6235, 4D-8703, 6D-2868.														
	4.2330 - GASKET, OIL FILTER COVER NUT														
3A	**5187310** GASKET, RETAINER	1	1	1	1			1	1	1	1				
3A	**6437298** GASKET	1	1	1	1		1	1	1	1	1				
	5154538 WASHER (1.8182)	1	1	1	1			1		1	1				
	4.2350 - GASKET, OIL FILTER ADAPTOR														
	5574127 + BOLT, LOCK						1								
	+ OBSOLETE.														
	4.2410 - STUD, OIL FILTER CENTER														
3A	**5116427** STUD	1	1						1		1				
3A	**5120740** STUD			1	1			1		1					
	1595893 STUD						1								

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2485 - VALVE, OIL FILTER BYPASS														
		A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486 AND 4.2488.														
	5198303	VALVE KIT			1				1		1	1				
3A	**5133431**	VALVE	1	1	1				1		1	1				
		4.2486 - SPRING, OIL FILTER BYPASS VALVE														
3A	**5133594**	SPRING			1											
3A	**5134477**	SPRING	1	1					1		1	1				
		4.2488 - PLUG, OIL FILTER BYPASS VALVE														
	5126686	PLUG			1											
3A	**5134456**	RETAINER	1	1					1		1	1				
3A	**160221**	SCREW, #12-24X1/2" CR. REC. HD. (12.9026)	1	1					1		1	1				
		4.2489 - GASKET, OIL FILTER BYPASS PLUG														
	5575086	GASKET			1											

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4.2000A OIL FILTER

MG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2240 - FILTER ASSY., OIL														
	5137659	* FILTER ASSY.,6,8V53	1													
	5134408	* FILTER ASSY.,4-53		1												
	5133313	* FILTER ASSY.,6V53			1											
	5136524	FILTER ASSY.,8V53				1										
	5124065	FILTER ASSY.,8V53					1									
	5199700	* FILTER ASSY.,3-53						1								
	5147683	FILTER ASSY.,4-53,6,8V53							1							
	5100800	FILTER ASSY.,4-53,6,8V53								1						
	5100758	FILTER ASSY.,3-53									1					
	5100757	FILTER ASSY.,2,3-53										1				
	5107009	FILTER ASSY., 6V53											1			
	5100759	* FILTER ASSY., 6V53												1		
	5104201	FILTER ASSY., 4-53													1	
		* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
		4.2250 - ELEMENT, OIL FILTER														
3A	**5573014**	ELEMENT (9") (AC TYPE PF-132) (INCLUDES GASKETS IN 4.2300)	1	1	1	2	2		1	1			1	1	1	
	5574978	ELEMENT (6") (AC TYPE PF-147) (INCLUDES GASKETS IN 4.2300)						1			1	1				
		4.2280 - SHELL, OIL FILTER														
3A	**5574008**	SHELL (INCLUDES PLUG)	1	1	1	1	2		1	1			1	1	1	
	5574906	SHELL (INCLUDES PLUG)						1			1	1				
	5570480	PLUG (2.3050)	1	1	1	1	2	1	1	1	1	1	1	1	1	
	5573162	% DECAL				2				1						
	5575213	% DECAL									1	1				
		% OBSOLETE.														
		4.2290 - COVER, OIL FILTER														
	5137651	# ADAPTOR	1													
	5134312	ADAPTOR		1												
	5147684	ADAPTOR (INCLUDES INSERT)			1				1							
	5124065	ADAPTOR				1										
	5136347	ADAPTOR					1									
	5134908	= ADAPTOR (INCLUDES INSERT)						1								
	5100818	ADAPTOR (INCLUDES INSERT)								1	1	1		1		
	5123382	ADAPTOR											1			
	5104246	* ADAPTOR													1	
3A	**5121182**	PLUG, 1/4" PIPE (2.4015)		1		2	2	2		2		2	1	2	1	
	454557	INSERT, TAP 5/8"-18X1/8"			1			1	1	1	1	1				
		# NOT SERVICED; USE 5147684 PLUS (2) 5111798 AND (2) 128003.														
		= NOT SERVICED; USE 5100818 PLUS (1) 5573711 OR USE ELEMENT PACKAGE.														
		* NOT SERVICED; USE 5104419 PLUS (1) 8921708 AND (1) 25010495.														

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4.2000A OIL FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		4.2300 - GASKET, OIL FILTER COVER														
3A	**5571024**	GASKET (RECTANGULAR SECTION)	1	1	1	1	2	1	1				1		1	
	5573711	GASKET (SQUARE SECTION)								1	1	1		1		
		4.2310 - SPRING, OIL FILTER														
3A	**5187308**	SPRING	1	1	1	2	2	1	1	1	1	1	1	1	1	
		4.2315 - RETAINER, OIL FILTER SPRING														
3A	**5187309**	RETAINER	1	1	1	2	2	1	1	1	1	1	1	1	1	
	122366	NUT, 5/16"-18 (12.9120)	1	1	1	2	2	1	1	1	1	1	1	1		
	114498	NUT, 5/16"-18 (12.9120)													1	
		4.2330 - GASKET, OIL FILTER COVER NUT														
3A	**5187310**	GASKET, RETAINER	1	1	1	2	2	1	1	1	1	1	1	1	1	
3A	**6437298**	GASKET	1	1	1	2	2	1	1	1	1	1	1	1	1	
	5154538	WASHER (1.8182)	1	1	1	2	2	1	1	1	1	1	1	1	1	
		4.2410 - STUD, OIL FILTER CENTER														
3A	**5120740**	STUD	1	1	1	2	2		1	1	1		1	1	1	
	5116427	STUD						1				1				
		4.2485 - VALVE, OIL FILTER BY-PASS														
		A VALVE KIT INCLUDES ITEMS IN 4.2485, 4.2486 AND 4.2488.														
	5198303	VALVE KIT		1			1	1		1	1	1	1	1	1	
3A	**5133431**	VALVE		1			1	1		1	1	1	1	1	1	
	5136358	VALVE (4.4110)				1										
		4.2486 - SPRING, OIL FILTER BY-PASS VALVE														
3A	**5134477**	SPRING		1				1		1	1	1		1	1	
	5137984	SPRING				1										
	5133594	SPRING					1						1			
		4.2488 - PLUG, OIL FILTER BY-PASS VALVE														
3A	**5134456**	RETAINER		1				1		1	1	1		1	1	
3A	**160221**	SCREW, #12-24X1/2" CR. REC. HD. (12.9065)		1				1		1	1	1		1	1	

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4.2000A OIL FILTER

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
4.2488	**- PLUG, OIL FILTER BY-PASS VALVE (CONT'D)**														
5134807	PLUG (4.4160)				1										
5126686	PLUG					1						1			
4.2489	**- GASKET, OIL FILTER BY-PASS PLUG**														
5134920	GASKET				1				1	1	1				
5575086	GASKET					1						1			

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	79	89	92	93	95	98	102	105	108	110	114
		4.3001 - TUBE, OIL FILTER INLET												
10A	**5122632**	+ TUBE,3-53	1											
10A	**5122678**	TUBE,3-53		1										
10A	**5122415**	= HOSE ASSY.,2-53(3/8"I.D.X15" L.)			1									
10A	**5174867**	HOSE ASSY.,2-53(3/8"I.D.X24" L.) (4.7100)						1						
	5120684	HOSE ASSY.,6V53(5/8"I.D.X 17 3/4" L.) (3.5505)				1				1				
10A	**5177697**	HOSE ASSY.,6V53(5/8"I.D.X 20 5/8" L.) (8.3810)										1		
10A	**5120029**	HOSE ASSY.,6V53 (5/8"I.D.X36" L.) (3.5505)									1			
10A	**5110932**	HOSE ASSY.,6V53 (7/8"I.D.X 43 1/2" L.)											1	
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)											1	
	5176528	RING, SEAL 3/8" TUBE SEALASTIC (12.9435)	2	2										
	5176705	ELBOW (AT FILTER) (8.3800)				1				1	1	1		
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)						1						
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1						
	140798	ELBOW, 3/4" STREET 45 DEG. (12.9590)	1	1										
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)				1					1	2		
	5138301	ELBOW ASSY., 3/4" TUBE SEALASTIC 90 DEG. (12.9425)	1	1									1	
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)											1	
	217986	ELBOW, 1"X3/4" PIPE RED. 90 DEG. (12.9600)											1	
	5138308	NIPPLE ASSY., 3/8" TUBE SEALASTIC (12.9415)	1	1										
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			2									
	8924208	CONNECTOR, 1 5/16"X1" PIPE TAP (9.1720)											1	
		= NOT SERVICED; CUSTOMER TO FABRICATE FROM BULK MATERIAL SHOWN IN 12.8550.												
		+ OBSOLETE.												
		4.3020 - TUBE, OIL FILTER OUTLET												
10A	**5122633**	TUBE,3-53	1											
10A	**5122679**	TUBE,3-53		1										
10A	**3248643**	HOSE ASSY.,2-53 (3/8"I.D.X18"L.) (4.7100)			1			1						
	5120684	HOSE ASSY.,6V53 (5/8"I.D.X 17 3/4" L.)								1				
	5176698	HOSE ASSY., 6,8V53 (5/8" I.D.X23 5/8"L.) (8.3810)				1						1		

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4.3000A OIL FILTER LINES

MFG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	79	89	92	93	95	98	102	105	108	110	114
		4.3020 - TUBE, OIL FILTER OUTLET (CONT'D)												
10A	5120028	HOSE ASSY.,6V53 (5/8"I.D.X 41 1/2"L.)									1			
10A	5177649	HOSE ASSY.,6V53 (7/8"I.D.X 38 3/32"L.) (9.1720)											1	
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)											1	
	5176528	RING, SEAL 3/4" TUBE SEALASTIC (12.9435)	2	2										
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. (12.9480)			1			2						
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1									
	140798	ELBOW, 3/4" STREET 45 DEG. (12.9590)	1	1						1				
	141621	ELBOW, 3/4" STREET 90 DEG. (IN ADAPTOR) (12.9590)				1					1	2		
	5138301	ELBOW ASSY., 3/4" TUBE SEALASTIC 90 DEG. (12.9425)	2	2										
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)											1	
	217986	ELBOW, 1"X3/4" PIPE RED. 90 DEG. (12.9600)											1	
	5176705	ELBOW (AT FILTER) (8.3800)				1				1	1	1		
	5138308	NIPPLE ASSY., 3/8" TUBE SEALASTIC (12.9415)	1	1										
	8924208	CONNECTOR (1 5/16"X1" PIPE TAP) (9.1720)											1	
		4.3025 - ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER												
[illegible]	5121499	@ ADAPTOR,3-53	1	1										
	5128438	+ ADAPTOR,6,8V53 (AT FILTER)				1						1		
10A	5127827	# ADAPTOR,6,8V53 (AT BLOCK)				1	1			1	1	1	1	
	5134304	ADAPTOR,6V53 (AT BLOCK)												1
10A	5134303	ADAPTOR,3,4-53							1					
	5121182	PLUG, 1/4" PIPE (2.4015)												1
10A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4		4	4		4	4	4	4		4
	454906	* BOLT, 3/8"-16X1 1/2" (12.9001)								4				4
	103341	WASHER, 3/8" (12.9190)												4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4		4	4		4	8	4	4	AR	8

@ NOT SERVICED; WHEN REPLACEMENT IS REQUIRED CONVERT TO DIRECT MOUNTED OIL FILTER, 4.2000A, TYPE 155 (LD EN GINE) OR TYPE 156 (RB ENGINE).

\# *NOT SERVICED. USE 5134302 PLUS* 5198303 VALVE KIT (4.2485).

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 78	79	89	92	93	95	98	102	105	108	110	114
		4.3025 - ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR) (CONT'D)												
		* USE 186622 BOLT FOR LATE DESIGN ADAPTOR WITH .600" THICK BOLT FLANGE.												
		+ OBSOLETE												
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR												
	5121205	GASKET,3,4-53 (4.2350)	1	1					1					
	5128039	GASKET,6,8V53 (4.2350)				1	1			1	1	1	1	
	5133263	GASKET,6V53												1
		4.3045 - CLIP, OIL FILTER TUBE												
10A	**5181415**	CLIP,6,8V53 (5.5390)											2	
10A	**5151189**	CLIP,2,3-53 (3/4" TUBE) (4.8040)	2	1				1						
10A	**5186803**	CLIP,3-53,6V53 (3/4" TUBE) (7.7380)		1										
10A	**5165244**	CLIP,4-53,6V53 (7/8" TUBE) (4.8040)									2	2		
10A	**5169317**	+ CLIP,6V53 (7/8" TUBE) (4.8040)									1			
10A	**5177001**	CLIP,6V53 (7/8" TUBE) (8.3801)									1			
10A	**179816**	BOLT, 5/16"-18X3/4" (12.9001)									1			
10A	**186629**	BOLT, 5/16"-18X1" (12.9001)										1		
10A	**179839**	BOLT, 3/8"-16X1" (12.9001)	1	1										
10A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)											1	
	120393	WASHER, 5/16" (12.9190)									1	1		
	103320	LOCKWASHER, 5/16" (12.9200)									1	1		
	103321	LOCKWASHER, 3/8" (12.9200)	1	1									1	
10A	**120376**	NUT, 5/16"-18 (12.9120)									1	1		
10A	**102635**	NUT, 3/8"-16 (12.9120)	1	1									1	
		+ NOT SERVICED, USE ONE (1) EACH OF 5140903 AND 120393.												
		4.3050 - BRACKET, OIL FILTER TUBE CLIP												
	5176400	BRACKET,3-53 (MOUNTS UNDER FLYWHEEL HOUSING ADAPTOR BOLT) (4.8010)	1	1										
	5155464	BRACKET,6V53 (7.1582)										1		
	5181325	BRACKET,6V53 (4.8042)											1	
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS												
	5575088	VALVE (4.2485)				1	1			1	1	1	1	
	5133431	# VALVE (4.2485)							1					1
		# PART OF VALVE KIT 5198303												

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4.3000A OIL FILTER LINES

PART NUMBER	NAME AND DESCRIPTION	TYPES 78	79	89	92	93	95	98	102	105	108	110	114
4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE													
5575680	SPRING (4.2486)				1	1			1	1	1	1	
5134477	# SPRING (4.2486)							1					1
	# PART OF 5198303 VALVE KIT (4.2485).												
4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS SPRING													
5574736	RETAINER (4.2488)				1	1			1	1	1	1	
5134456	# RETAINER (4.2488)							1					1
450865	= # + SCREW, #12-24X3/4 (12.9065)				1	1		1	1	1	1	1	1
160221	# * SCREW, #12-24X1/2" CR. REC. HD. (12.9065)				1	1		1	1	1	1	1	1

PART OF 5198303 VALVE KIT (4.2485).
+ EARLY ENGINES
* LATE ENGINES
= NOT SERVICED, USE 160221.

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 119	122	124	125	128	131	132	133	135	138	139	140
		4.3001 - TUBE, OIL FILTER INLET												
	5176698	HOSE ASSY.,8V53 (5/8"I.D.X 23 5/8"L.)										1		
	5112421	HOSE ASSY.,8V53 (5/8"I.D.X27" L.) (3.5505)	1											
	5138048	HOSE ASSY.,4-53 (5/8"I.D.X35" L.)									1			
10A	**5120029**	HOSE ASSY.,6V53 (5/8"I.D.X36" L.) (3.5505)		1										
	5125788	HOSE ASSY.,6V53 (7/8"I.D.X 23 1/2" L.)								1				
	5177502	HOSE ASSY.,6V53 (7/8"I.D.X 28 1/2" L.)					1							
	5137686	HOSE ASSY.,8V53 (7/8"I.D.X32" L.)											1	
	5176705	ELBOW (AT FILTER) (8.3800)	1	1		2						1		
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)	1	2							1	1		
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)					1							
	5177664	CONNECTOR, 1" FL. TUBE									2			
	8924207	CONNECTOR, 1" FL. TUBE (4.4330)					1							
	8924208	CONNECTOR, 1 5/16"X1" PIPE TAP (9.1720)								1			1	
		4.3020 - TUBE, OIL FILTER OUTLET												
	5176698	HOSE ASSY.,6,8V53 (5/8"I.D.X 23 5/8" L.) (8.3810)	1											
	5112421	HOSE ASSY.,8V53 (5/8"I.D.X27"L.)										1		
	5178023	HOSE ASSY.,3-53 (5/8"I.D.X 29 1/2" L.)			2	2								
	5120029	HOSE ASSY.,8V53 (5/8"I.D.X36"L.) (3.5505)		1										
	5138319	HOSE ASSY.,4-53 (5/8"I.D.X40"L.)									1			
	5137643	+ HOSE ASSY.,6V53 (7/8"I.D.X2"L.)					1							
	5186232	HOSE ASSY.,6V53 (7/8"I.D.X 23 1/2" L.)								1				
	5132281	HOSE ASSY.,8V53 (7/8"I.D.X 33 1/2" L.)											1	
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)	1		2	2					1	1		
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)					1							
	5176705	ELBOW (AT FILTER) (8.3800)	1		2							1		
	5177664	CONNECTOR, 3/4" PIPE		1							2			
	8924207	CONNECTOR, 1" FL. TUBE (4.4330)					1							
	8924208	CONNECTOR (1 5/16"X1" PIPE TAP) (9.1720)								1			1	
		+ OBSOLETE.												
		4.3025 - ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER												
	5128438	* ADAPTOR,6,8V53 (AT FILTER)	1	1								1		
10A	**5127827**	@ ADAPTOR,6,8V53 (AT BLOCK)	1											
10A	**5134303**	ADAPTOR,3,4-53									1			

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4.3000A OIL FILTER LINES

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 119	122	124	125	128	131	132	133	135	138	139	140
		4.3025 - ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR) (CONT'D)												
	5134302	ADAPTOR,6,8V53 (AT BLOCK) (90 DEG.)		1			1		1	1		1	1	
	5136287	* ADAPTOR ASSY.,3-53			1	1								
	5134303	ADAPTOR,4-53 (AT COOLER)						1						1
	5115214	PLUG, 1/4" PIPE				1								
10A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4	4	4	4			4			4
	454906	# BOLT, 3/8"-16X1 1/2" (12.9001)							4	4		4	4	
	5157244	BOLT, 3/8"-16X1 3/4"		2										
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)										4		
	103321	LOCKWASHER, 3/8" (12.9200)	4	6	4	4	4	4	4	4	4	8	4	4
	102635	NUT, 3/8"-16 (12.9120)										4		
		@ NOT SERVICED. USE 5134302 PLUS 5198303 VALVE KIT (4.2485).												
		# USE 186622 BOLT FOR LATE DESIGN ADAPTOR WITH .600" THICK BOLT FLANGE.												
		* OBSOLETE												
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR												
	5121205	GASKET,3,4-53 (4.2350)			1	1		1			1			1
	5128039	GASKET,6,8V53 (4.2350)	1	1										
	5137549	GASKET,6V53 (4.2350)					1		1	1		1	1	
		4.3045 - CLIP, OIL FILTER TUBE												
	5187661	CLIP,6V53 (4.8183)								1				
	5124227	CLIP,4-53									2			
A	**5186803**	CLIP,3-53,6V53 (3/4" TUBE) (7.7380)					2							
	5165244	CLIP,4-53,6V53 (7/8" TUBE) (4.8040)									2			
	5174091	CLIP,8V53 (7/8" TUBE)		2										
	5183247	CLIP,8V53 (1" TUBE X 1/2" BOLT) (8.3801)	2									2	2	
	5182874	= CLIP,8V53 (1" TUBE X 5/8" BOLT)	2											
	5184291	CLIP,6V53 (1 1/4" TUBE)					2							
10A	**186629**	BOLT, 5/16"-18X1" (12.9001)									2			
10A	**179839**	BOLT, 3/8"-16X1" (12.9001)								1			1	
	186627	BOLT, 3/8"-24X1" (12.9001)					1							
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)					1							
	106340	BOLT, 1/2"-12X7/8" (12.9001)		1										
	122408	BOLT, 1/2"-13X1" (12.9001)	2									2		
	428204	BOLT, 5/8"-11X1" (12.9001)	1											
	103341	WASHER, 3/8" (12.9190)					1			1			1	
	103343	WASHER, 1/2" (12.9190)	2									2		
	103345	WASHER, 5/8" (12.9190)	1											

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 119	122	124	125	128	131	132	133	135	138	139	140
		4.3045 - CLIP, OIL FILTER TUBE (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	103321	LOCKWASHER, 3/8" (12.9200)					2			1			1	
	103323	LOCKWASHER, 1/2" (12.9200)		1							2			
10A	120376	NUT, 5/16"-18 (12.9120)								1			1	
10A	102635	NUT, 3/8"-16 (12.9120)					2							
	117049	NUT, 3/8"-24 (12.9120)												
		= REQUIRED IN PLACE OF 5183247 CLIP FOR SOME APPLICATIONS.												
		4.3050 - BRACKET, OIL FILTER TUBE CLIP												
	5155464	BRACKET,6V53 (7.1582)					1							
	5173022	BRACKET,6V53					1				2			
	5131549	BRACKET,4-53								1			1	
	5124780	BRACKET,6,8V53								1			1	
	103341	WASHER, 3/8" (12.9190)								1				
	179839	BOLT, 3/8"-16X1" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS												
	5133431	# VALVE			1		1	1	1	1	1		1	1
		# PART OF VALVE KIT 5198303 (4.2485).												
		4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE												
	5575680	SPRING (4.2486)	1											
	5134477	# SPRING (4.2486)			1	1	1	1	1	1	1		1	1
		# PART OF 5198303 VALVE KIT (4.2485).												
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS SPRING												
	5574736	RETAINER (4.2488)	1											
	5134456	# RETAINER (4.2488)			1	1	1	1	1	1	1		1	1
	450865	= # + SCREW, #12-24X3/4 (12.9065)	1		1	1	1	1	1	1	1		1	1
	160221	# * SCREW, #12-24X1/2"" CR. REC. HD. (12.9065)	1		1	1	1	1	1	1	1		1	1
		# PART OF 5198303 VALVE KIT (4.2485).												

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4.3000A OIL FILTER LINES

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 119	122	124	125	128	131	132	133	135	138	139	140
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS SPRING (CONT'D)												
		+ EARLY ENGINES												
		* LATE ENGINES												
		= NOT SERVICED, USE 160221.												

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	149	155	157	160	162	167
		4.3001 - TUBE, OIL FILTER INLET												
	5147585	HOSE ASSY.,6V53 (#16X17"L.) (TEFLON)												1
10A	**5144728**	HOSE ASSY.,6V53 (#16X23 1/2"L.) (TEFLON)											1	
	5122417	HOSE ASSY.,3-53 (5/8"I.D.X21"L.) (9.9630)	1											
	5111112	# HOSE ASSY.,3-53 (5/8"I.D.X31"L.) (8.3820)				1								
	5138375	HOSE ASSY.,6V53 (7/8"I.D.X 18 1/2" L.) (4.3020)										1		
	5137686	HOSE ASSY.,6,8V53 (7/8"I.D.X32"L.)					1	1	1					
	5137869	HOSE ASSY.,6V53 (7/8"I.D.X 40 1/2" L.)	1		1									
	5110932	HOSE ASSY.,6V53 (7/8"I.D.X 43 1/2" L.) (4.3020)		1										
	5185930	HOSE, FLEX.,3,4-53 (27 1/2") (12.4375)								1	1			
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)		1										
	140798	ELBOW, 3/4" STREET 45 DEG. (12.9590)	1			1				1				
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)	1			1				1	2			
	144116	ELBOW, 1" STREET 45 DEG. (12.9590)										1		
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)	1		2		2	4				1		
	217986	ELBOW, 1"X3/4" PIPE RED. 90 DEG. (12.9600)				1			1					
	5177664	CONNECTOR, 3/4" PIPE (8.3800)	2			2					1			
	8924208	CONNECTOR, 1 5/16"X1"PIPE TAP (9.1720)		1	1		1		1			1		
	9402713	CONNECTOR, 1 5/16"-12X1 1/2" PIPE (12.9380)											2	2
	5111798	PLUG, 1" PIPE (12.9550)					1							
		# NOT SERVICED; USE 5199578 HOSE, (2) 5144522 FITTINGS AND (2) 2488023 CLIPS.												
		4.3020 - TUBE, OIL FILTER OUTLET												
10A	**5144727**	HOSE ASSY.,6V53 (#16X18 1/2"L.) (TEFLON)											1	
	5147586	HOSE ASSY.,6V53 (#16X22"L.) (4.4355)												1
	5120510	HOSE ASSY.,3-53 (5/8"I.D.X 23 1/2" L.) (3.5505)				1				1				
	5138048	HOSE ASSY.,3-53 (5/8"I.D.X35"L.)	1											
	5120028	HOSE ASSY.,4-53 (5/8"I.D.X 41 1/2" L.) (3.5505)									1			
	5118467	HOSE ASSY.,6V53 (7/8"I.D.X 14 1/4" L.) (9.1720)										1		
	5137686	HOSE ASSY., 6,8V53 (7/8" I.D.X32"L.) (4.3001)							1					

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	149	155	157	160	162	167
		4.3020 - TUBE, OIL FILTER OUTLET (CONT'D)												
	5132281	HOSE ASSY.,8V53 (7/8"I.D.X 33 1/2" L.)					1	1						
	5177649	HOSE ASSY.,6V53 (7/8"I.D.X 38 3/32" L.) (9.1720)		1	1									
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)		1										
	140798	ELBOW, 3/4" STREET 45 DEG. (12.9590)	1											
	141621	ELBOW, 3/4" STREET 90 DEG. (IN ADAPTOR) (12.9590)	2			2			2		1			
	108687	ELBOW, 1" STREET 90 DEG. (12.9590)		1	1		1	1	1					
	217986	ELBOW, 1"X3/4" PIPE RED. 90 DEG. (12.9600)		1										
	5176705	ELBOW (AT FILTER) (8.3800)								2	2			
	5177664	CONNECTOR, 3/4" PIPE (8.3800)	2			2				1				
	8924208	CONNECTOR, 1 5/16"X1" PIPE TAP (9.1720)		1	1		1	1	1			1		
	9402713	CONNECTOR, 1 5/16"-12X1 1/2" PIPE (12.9380)											2	2
	5142470	TUBING WRAP (7.7020)												1
	5111798	PLUG, 1" PIPE (12.9550)					1							
		4.3025 - ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER												
	5134303	ADAPTOR,3-53,6V53 (TO BLOCK)	1			1				1	1			
	5128438	* ADAPTOR,6V53 (TO BLOCK)		1										
	5134304	ADAPTOR,6,8V53 (TO BLOCK)			1		1	1	1					
	5134302	ADAPTOR,6V53 (TO BLOCK)										1	1	1
A	5147341	SPACER (4.2290)												1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4		4			4	4	4	4	4	4	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		4		4	4							
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)												4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		* OBSOLETE.												
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR REMOTE MOUNTED FILTER												
	5121205	GASKET,3-53,6V53 (4.2350)	1			1				1	1			
	5137549	GASKET,6V53 (4.2350)		1								1	1	1
	5133263	GASKET, 6, 8V53			1		1	1	1					
		4.3045 - CLIP, OIL FILTER LINE												
	5124227	CLIP,3-53 (5.2165)	1											
10A	5165244	CLIP,3,4-53 (7/8" TUBE) (4.8040)	2				3			2	3			
10A	5181415	CLIP,6V53 (5.5390)		2	2	2								
	5144934	CLIP, #16 HOSE 6V53 (TEFLON COATED) (4.4330)												1
	5144977	CLAMP, #16 HOSE 6V53 (TEFLON COATED) (4.8183)											2	

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	149	155	157	160	162	167
		4.3045 - CLIP, OIL FILTER TUBE (CONT'D)												
	181596	BOLT, 5/16"-24X7/8" (12.9001)					3			2	3		1	
	179839	BOLT, 3/8"-16X1" (12.9001)												
10A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1	1	1								1
	181361	BOLT, 3/8"-24X7/8" (12.9001)					3			2	3		1	
	120393	WASHER, 5/16" (12.9190)					AR			AR	AR			
	103341	WASHER, 3/8" (12.9190)												
	103320	LOCKWASHER, 5/16" (12.9200)		1	1	1	3			2	3		1	
	103321	LOCKWASHER, 3/8" (12.9200)												1
	114493	NUT, 5/16"-24 (12.9120)												
10A	102635	NUT, 3/8"-16 (12.9120)		1	1	1							1	
	117049	NUT, 3/8"-24 (12.9120)												1
		4.3050 - BRACKET, OIL FILTER TUBE CLIP												
	5181325	BRACKET (4.8042)		1	1									
	5173022	BRACKET (5.5379)					3			2	3		1	
	5124780	BRACKET (4.1510)												1
	5126358	BRACKET (4.6040)					3			2				
	186629	BOLT, 5/16"-18X1" (12.9001)		1	1	1							1	
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)					3			2			1	
	179839	BOLT, 3/8"-16X1" (12.9001)												
	120393	WASHER, 5/16" (12.9190)		AR	AR	AR	AR			AR			1	
	103341	WASHER, 3/8" (12.9190)												
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)												
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS												
	5133431	# VALVE (4.2485)	1	1	1	1	1	1	1	1	1	1	1	
		# PART OF 5198303 VALVE KIT (4.2485).												
		4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE												
	5134477	# SPRING (4.2486)	1	1	1	1	1	1	1	1	1	1	1	
		# PART OF 5198303 VALVE KIT (4.2485).												
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS VALVE SPRING												
	5134456	# RETAINER (4.2488)	1	1	1	1	1	1	1	1	1	1	1	
	450865	# = + SCREW, #12-24 X 3/4 RD. HD. (12.9065)	1	1	1	1	1	1	1	1	1	1	1	
	160221	# * SCREW, #12-24X1/2" CR. REC. HD. (12.9065)	1	1	1	1	1	1	1	1	1	1	1	

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	149	155	157	160	162	167
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS VALVE SPRING (CONT'D)												
		# PART OF 5198303 VALVE KIT (4.2485).												
		+ EARLY ENGINES												
		* LATE ENGINES												
		= NOT SERVICED, USE 160221.												

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 169	175	177	179	180	181	182	183	184	185	188	189	191
		4.3001 - TUBE, OIL FILTER INLET													
	5199722	+ HOSE, BULK #16 (CUT L. 16") (12.8550)		1											
	5199722	+ HOSE, BULK #16 (CUT L. 35") (12.8550)			1				1			1			
	5147585	HOSE ASSY., 6V53 (#16 X 17" L.) (TEFLON)				1				1					
	5120510	HOSE ASSY., 5/8"X31" L. (3.5505)						1			1				
	5144728	HOSE ASSY., 6V53 (#16 X 23 1/2") (TEFLON)													
	5120028	HOSE ASSY., 5/8"X41 1/2" (3.5505)									1				
	5125788	HOSE ASSY., 6V53 (7/8" I.D. X 23 1/2") (9.1720)					1								
	5199727	FITTING HOSE (12.8552)		2	1				1			1			
	5197729	FITTING HOSE (12.8552)			1				1			1			
	8924208	CONNECTOR, 1 5/16" X 1" PIPE TAP (9.1720)					1								
	144045	BUSHING, 1/2"X1/4" RED (12.9570)		1											
	144061	BUSHING, 1"X1/2" RED (12.9570)		1											
	128003	BUSHING, 1"X3/4" RED (12.9570)								1	1	1			1
	444040	ELBOW, 1/4"-18 STREET 90 DEG. (12.9590)		1											
	9402869	ELBOW, 1" FL. TUBE 90 DEG. (12.9390)		2	1				1			1			1
	2492119	ELBOW, 3/4" X 1" PIPE 90 DEG. (4.4330)			1				1			1			1
	5176705	ELBOW, 3/4"-90 DEG. (8.3800)								1	1				
	5121182	PLUG, 1/4" PIPE (2.4015)		1											
		+ BULK HOSE, CUT TO LENGTH SHOWN.													
		4.3020 - TUBE, OIL FILTER OUTLET													
	5115763	HOSE ASSY.,6V53 (7/8"I.D.X 42 1/2" L.)	1												
	5199722	HOSE, BULK #16 (CUT L. 16") (12.8550)		1											
	5199722	HOSE, BULK #16 (CUT L. 35") (12.8550)			1				1			2			
	5147586	HOSE ASSY., 6V53 (#16 X 22" L.) (4.4355)				1				1	1				
	5185930	HOSE ASSY., 5/8"X27 1/2" (12.4375)						1							
	5144727	HOSE ASSY., 6V53 (#16 X 18 1/2")					1								
	5186232	HOSE ASSY., 6V53 (7/8" X 18 1/2")													
	5199727	FITTING HOSE (12.8552)		2	1				1			2			
	5199729	FITTING HOSE (12.8552)			1				1			2			
	144061	BUSHING, 1"X1/2" RED (12.9570)		1											
	144045	BUSHING, 1/2"X1/4" RED (12.9570)		1											
	128003	BUSHING, 1"X3/4" RED (12.9570)			1					1	1	1			1
	5101020	STRAP, HOSE (2.5255)			1				1			1			
	5142470	TUBING, WRAP (7.7020)				1									
	444040	ELBOW, 1/4"-18 STREET 90 DEG. (12.9590)		1											
	119099	ELBOW, 3/4", 90 DEG. (12.9600)			1				1			1			1
	2492119	ELBOW, 3/4" X 1" PIPE, 90 DEG. (4.4330)			1				1			1			1

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 169	175	177	179	180	181	182	183	184	185	188	189	191
		4.3020 - TUBE, OIL FILTER OUTLET (CONT'D)													
	9402869	ELBOW, 1" FL. TUBE 90 DEG. (12.9390)		2											
	5176705	ELBOW, 3/4"-90 DEG. (5.5374)								1	1				
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)								1	1				
	9402713	CONNECTOR, 1" TUBE (12.9380)			1	1		1	1						
	8924208	CONNECTOR, 1 5/16"X1" PIPE TAP (9.1720)	1				1								
	9402713	CONNECTOR, 1" TUBE (12.9380)				1		1				1			1
	144613	NIPPLE, 3/4" X 1 3/8" PIPE (12.9560)			1				1			1			1
	5121182	PLUG, 1/4" PIPE (2.4015)		1											
	5111798	PLUG, 1" PIPE (12.9550)								1					
		4.3025 - ADAPTOR, OIL FILTER TUBE-REMOTE MOUNTED FILTER													
	5134304	ADAPTOR,6,8V53 (TO BLOCK)	1	1								1			1
	5134302	ADAPTOR, 6, 8V53								1	1		1		
	5101866	ADAPTOR, 6V53											1		
	5121182	PLUG, 1/4" PIPE (2.4015)	1												
10A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4							4	4	4	3	4	4
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		4											
	103341	WASHER, 3/8" (12.9190)	4	4								4			4
	103321	LOCKWASHER, 3/8" (12.9200)	4	4						4	4	4	3	4	4
	138242	SCREW, 3/8"-16X1" (12.9027)											1		
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR REMOTE MOUNTED FILTER													
	5133263	GASKET,6,8V53 (4.3027)	1	1								1			1
	5121205	GASKET (4.2350)								1	1		1		
	5137549	GASKET (4.2350)												1	
		4.3045 - CLIP, OIL FILTER LINE													
	5144934	CLIP, #16 HOSE (TEFLON COATED) (4.8183)				1									
	5187661	CLIP, 1 1/4" HOSE (4.8183)					2								
	5144977	CLIP, #16 (TEFLON COATED) (4.8183)					2								
	181361	BOLT, 3/8"-24 X 7/8" (12.9001)				1									
	5165244	CLIP, 7/8" (4.8040)								3	3				
	179839	BOLT, 3/8"-16 X 1" (12.9001)					1	1							
	181596	BOLT, 5/16"-24X7/8" (12.9001)								3	3				
	103341	WASHER, 3/8" (2.9190)					1	1							
	120393	WASHER, 5/16" (12.9190)								3	3				
	103321	LOCKWASHER, 3/8" (12.9200)				1	1	1							
	103320	LOCKWASHER, 5/16" (12.9200)								3	3				
	117049	NUT, 3/8"-24 (12.9120)				1									
	102635	NUT, 3/8"-16 (12.9120)					1	1							
	114493	NUT, 5/16"-24 (12.9120)								3	3				
		4.3050 - BRACKET, OIL FILTER LINE CLIP													
	5126358	BRACKET (4.6040)				1									
	5124780	BRACKET (4.1510)					1	1							
	5173022	BRACKET (5.5374)								3	3				
	179839	BOLT, 3/8"-16 X 1 (12.9001)					1	1							
	103341	WASHER, 3/8" (12.9190)					1	1							
	103321	LOCKWASHER, 3/8" (12.9200)					1	1							

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 169	175	177	179	180	181	182	183	184	185	188	189	191
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS													
	5133431	# VALVE (4.2485)	1	1						1	1	1	1	1	1
		# PART OF 5198303 VALVE KIT (4.2485).													
		4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE													
	5134477	# SPRING (4.2486)	1	1						1	1	1	1	1	
		# PART OF 5198303 VALVE KIT (4.2485).													
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS VALVE SPRING													
	5134456	# RETAINER (4.2488)	1	1						1	1	1	1	1	
	450865	# = + SCREW, #12-24 X 3/4 RD. HD. (12.9065)	1	1											
	160221	# * SCREW, #12-24X1/2" CR. REC. HD. (12.9065)	1	1						1	1	1	1	1	
		# PART OF 5198303 VALVE KIT (4.2485).													
		+ EARLY ENGINES													
		* LATE ENGINES													
		= NOT SERVICED, USE 160221.													

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4.3000A OIL FILTER LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 196
		4.3001 - TUBE, OIL FILTER INLET	
	8924044	HOSE ASSY., #16X39.21" L.	1
	128003	BUSHING, 1"X3/4" RED. (12.9570)	1
	9402869	ELBOW, 1" FL. TUBE 90 DEG. (12.9390)	2
	2492119	ELBOW, 3/4"X1" PIPE 90 DEG. (4.4330)	1
		4.3020 - TUBE, OIL FILTER OUTLET	
	8924044	HOSE ASSY., #16X39.21 L.	1
	9402713	CONNECTOR, 1" TUBE (12.9380)	1
	8920869	ELBOW, 1" FL. TUBE 90 DEG. (12.9390)	1
	127874	NIPPLE, 1"X1 1/2" PIPE (12.9560)	1
	5101020	STRAP, HOSE (2.5255)	1
		4.3025 - ADAPTOR, OIL FILTER TUBE (TO OIL COOLER ADAPTOR)	
	5134304	ADAPTOR, 6V53 (TO BLOCK)	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4
	103341	WASHER, 3/8" (12.9190)	4
	103321	LOCKWASHER, 3/8" (12.9200)	4
		4.3027 - GASKET, OIL FILTER TUBE ADAPTOR	
	5133263	GASKET, 6V53	1
		4.3055 - VALVE, OIL FILTER TUBE ADAPTOR BY-PASS	
	5133431	# VALVE (4.2485) # PART OF 5198303 VALVE KIT (4.2485).	1
		4.3057 - SPRING, OIL FILTER TUBE ADAPTOR BY-PASS VALVE	
	5134477	# SPRING (4.2486) # PART OF 5198303 VALVE KIT (4.2485).	1
		4.3060 - RETAINER, OIL FILTER TUBE ADAPTOR BY-PASS VALVE SPRING	
	5134456	# RETAINER (4.2488)	1
	160221	# SCREW, #12-24X1/2" CR. REC. HD. (12.9065) # PART OF 5198303 VALVE KIT (4.2485).	1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	230	231	238	239	254	260	268	269	270	271	272
		4.4001 - CORE ASSY., OIL COOLER												
4A	8501323	CORE ASSY.,2,3,4-53 (4 PLATE)			1				1					
4A	8501328	CORE ASSY.,3-53 (6 PLATE)		1		1								
4A	8539953	CORE ASSY.,3,4-53 (8 PLATE)	1				1			2				
4D	5102389	CORE ASSY.,3-4-53 (8 PLATE)						1			1	1	1	1
4D	186618	BOLT, 5/16"-18X5/8" (12.9001)						8			8	8	8	8
4D	103320	LOCKWASHER, 5/16" (12.9200)						8			8	8	8	8
		4.4030 - GASKET, OIL COOLER CORE INNER												
4A,B,C	5150155	GASKET	1	1	1	1	1		1	2				
4D	5120896	GASKET,3,4-53						1			1	1	1	1
		4.4040 - GASKET, OIL COOLER CORE OUTER												
4A,B,C	5102506	GASKET	1	1	1	1	1		1	2				
		4.4050 - HOUSING, OIL COOLER												
4A	5119453	HOUSING,4-53	1											
4A	5119451	HOUSING,3-53		1										
4A	5119449	HOUSING,2-53			1									
4A	5119452	HOUSING,3-53				1								
4A	5119454	HOUSING,4-53					1							
4D	5121183	HOUSING,3,4-53						1			1			1
4A	5119450	* HOUSING,2-53							1					
4A	5116492	HOUSING,4-53								1				
4D	5122566	HOUSING,3,4-53										1	1	
4A	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1			1				
4A	148344	DRAINCOCK, 1/4" (12.9510)							1					
4A	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						1			1	1	1	1
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)			7									
4A	179830	BOLT, 5/16"-18X3" (12.9001)		7		7								
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	8	1	1	1	8		1					
4A	186274	BOLT, 5/16"-18X5" (12.9001)						1			1	1	1	
4A	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	2	8		2	2	2	1
		* OBSOLETE.												
		4.4055 - GASKET, OIL COOLER HOUSING TO BLOCK												
4D	5116357	GASKET,3,4-53 (1.1070)						1			1	1	1	1
		4.4060 - COVER, OIL COOLER HOUSING												
10B	5188862	+ COVER,3,4-53								1				
4B	446597	BOLT, 5/16"-18X6 1/2" (12.9001)								8				
4B	103320	LOCKWASHER, 5/16" (12.9200)								8				
		+ NOT SERVICED, FOR SERVICE USE 5107975 AND INCLUDE 2-5142549 PLUGS.												

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	230	231	238	239	254	260	268	269	270	271	272
		4.4110 - ADAPTOR, OIL COOLER												
4A,B	**5123413**	% ADAPTOR,2,3,4-53	1	1	1					1				
4A,B	**5123414**	# ADAPTOR,2,3,4-53				1	1							
4A,B	**5121227**	ADAPTOR,2-53							1					
4A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4	4	4			4				
4A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)							4					
	179847	BOLT, 3/8"-16X2" (12.9001)	2	2	2	2	2			2				
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6		4	6				
		% NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.												
		# NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
4A,B	**8923738**	GASKET,2,3,4-53	3	3	2	3	3		2	3				
4A,B	**5119286**	GASKET,2,3,4-53	1	1	1	1	1		1	1				
4A	**5116416**	GASKET,2-53							1					
		4.4213 - HOSE, OIL COOLER WATER INLET												
4D	**5116093**	* HOSE, 1 7/8"X4 3/4" CUT L. (5.3422)						1			1	1	1	1
		* NOT SERVICED; FOR REPLACEMENT USE 5199777 AND CUT TO SUIT.												
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
4D	**8920537**	CLAMP,3,4-53 1 9/16"-2 1/2" DIA. (12.9660)						2			2	2	2	2
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET												
4D	**5123320**	HOSE ASSY., 3, 4-53 (38"X13/32" I.D.)						1						
4D	**5123317**	HOSE ASSY., 4-53 (44"X13/32" I.D.)						1						1
4D	**5123318**	HOSE ASSY.,3-53 (47"X13/32"I.D.)									1			
4D	**5123316**	HOSE ASSY., 3-53 (35 1/2"X13/32" I.D.)										1	1	
4D	**120142**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)						1			1	1	1	1
4D	**8924150**	ELBOW, 1/2" FL. TUBE 90 DEG. (12.4085)						1				1	1	
4D	**8924201**	ELBOW, 1/2" FL. TUBE 45 DEG. (12.4090)												2
4D	**120278**	NIPPLE, 3/8"X2 1/2" PIPE (12.9560)						1			1	1	1	1
4D	**144603**	NIPPLE, 3/8"X3" PIPE (12.9560)									1			
	8924201	ELBOW, 1/2" FL. TUBE 45 DEG. (12.4090)									1			

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	230	231	238	239	254	260	268	269	270	271	272
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET												
4D	**5123318**	HOSE ASSY.,3-53 (46 1/8"X13/32" I.D.)						1						
4D	**5123319**	HOSE ASSY.,4-53 (52 5/8"X13/32" I.D.)						1						1
4D	**5123320**	HOSE ASSY.,3-53 (38X13/32"I.D.)									1			
4D	**5123317**	HOSE ASSY.,3,4-53 (40 1/8"X13/32" I.D.)									1			
4D	**5123321**	HOSE ASSY.,3-53 (30 1/8"X13/32" I.D.)										1		
4D	**5123316**	HOSE ASSY.,3,4-53 (34 5/8"X13/32" I.D.)											1	
4D	**120142**	ELBOW, 3/8" INV. FL. 90 DEG. (12.9390)						1			1	1	1	1
4D	**118757**	ELBOW, 1/2" FL. TUBE 90 DEG. (12.4085)						1			1	1	1	1
	2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (8.3830)						1			1	1	1	
4D	**144606**	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)						1			1	1	1	1
		4.4345 - CLIP, OIL COOLER LINES												
	5171509	CLIP (9.1591)						4			4	4	4	4
	5173022	BRACKET										1	1	
	186627	BOLT, 3/8"-24X1" (12.9001)										1	1	
	103321	LOCKWASHER, 3/8" (12.9200)										1	1	
	117049	NUT, 3/8"-24 HEX. (12.9120)										1	1	

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	274	275	276	277	278	297	302	304	310	315	316
		4.4001 - CORE, OIL COOLER-ENGINE												
4A	8501323	CORE ASSY.,2,3,4-53 (4 PLATE)			1								1	1
4A	8501328	CORE ASSY.,3-53 (6 PLATE)				2	2				1			
4A	8539953	CORE ASSY.,3,4-53 (8 PLATE)						2					1	1
4D	5102389	CORE ASSY.,3,4-53 (8 PLATE)	1	1										
4C	8545373	CORE ASSY.,6V53 (12 PLATE)							1	1	1			
4D	186618	BOLT, 5/16"-18X5/8" (12.9001)	8	8										
4D	103320	LOCKWASHER, 5/16" (12.9200)	8	8										
		4.4030 - GASKET, OIL COOLER CORE-INNER												
4A,B,C	5150155	GASKET			1	2	2	2	1	1	2		2	2
4D	5120896	GASKET,3,4-53	1	1										
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
4A,B,C	5102506	GASKET			2	2	2	2	1	1	2		2	2
		4.4050 - HOUSING, OIL COOLER-ENGINE												
4A	5119450	+ HOUSING,2-53			1									
4D	5122566	HOUSING,3,4-53	1	1										
	5116489	HOUSING,3-53				1								
	5116490	HOUSING,3-53					1							
	5116491	HOUSING,4-53						1						
4C	5119487	# HOUSING,6V53 (A ENGINE)							1					
4C	5119488	& HOUSING,6V53 (C ENGINE)								1				
	5125208	% HOUSING,6V53 (C ENGINE)									1			
[illegible]	5123619	HOUSING,3,4-53											1	
[illegible]	5123618	HOUSING,3,4-53												1
4A,C	103647	DRAINCOCK, 1/4" (12.9510)			1	1	1		2	1	2		1	1
	8923313	PLUG, 3/8" PIPE (12.9550)												1
4A	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1	1										
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)			7									
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)			1									
4A	186650	BOLT, 5/16"-18X4 3/4" (12.9001)							8	8	8			
4A	186274	BOLT, 5/16"-18X5" (12.9001)	1	1										
4A	103320	LOCKWASHER, 5/16" (12.9200)	2	2	8				8	8	8			

NOT SERVICED CONVERT TO TYPE 447 ALSO INCLUDE (1) 5135565 ELBOW, (1) 5135565 HOSE.

& NOT SERVICED CONVERT TO TYPE 443 ALSO INCLUDE (1) 5135259 ELBOW, (1) 5163824 HOSE AND (2) 5186841 CLAMPS.

% NOT SERVICED CONVERT TO TYPE 467 ALSO INCLUDE (1) 5108901 HOSE, (1) 5127299 HOSE, (1) 5163824 HOSE, (2) 5 186841 CLAMPS, (2) 9139809 CLAMPS, (1) 5135557 ELBOW, (1) 5135565 ELBOW.

\+ OBSOLETE.

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	274	275	276	277	278	297	302	304	310	315	316
		4.4055 - GASKET, OIL COOLER HOUSING												
4D	**5116357**	GASKET,3,4-53 (1.1070)	1	1										
		4.4060 - COVER, OIL COOLER HOUSING												
10B	**5188862**	@ COVER,3,4-53				1	1	1						
10B	**5123214**	@ COVER,3,4-53,6V53 (3/4" TAPPED HOLES)									1		1	1
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)									2		2	2
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)									6			
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)									2			
4B	**455971**	BOLT, 5/16"-18X5 1/2" (12.9001)				8	8	8						
4B	**215404**	BOLT, 5/16"-18X5 3/4" (12.9001)											6	6
4B	**215386**	BOLT, 5/16"-18X6" (12.9001)											2	2
4B	**103320**	LOCKWASHER, 5/16" (12.9200)				8	8	8			8		8	8
		@ NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.												
		4.4110 - ADAPTOR, OIL COOLER												
4A,B	**5123413**	% ADAPTOR,2,3,4-53					1							
4A,B	**5123414**	+ ADAPTOR,2,3,4-53			1	1		1						
4A	**5123617**	* ADAPTOR,3,4-53 (SD-76)											1	
4A	**5123616**	ADAPTOR,3,4-53												1
	5121182	PLUG, 1/4" PIPE (2.4015)											1	1
4A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)			4	4	4	4						
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)											2	2
	179847	BOLT, 3/8"-16X2" (12.9001)			2	2	2	2						
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											2	2
4A	**103321**	LOCKWASHER, 3/8" (12.9200)			6	6	6	6					4	4
		% NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.												
		+ NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.												
		* NOT SERVICED, USE 5123616.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
4A,B	**8923738**	GASKET,2,3,4-53			2	3	3	3					3	3
4A,B	**5103906**	GASKET,2,3,4-53			1	1	1	1					1	1

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	274	275	276	277	278	297	302	304	310	315	316
		4.4213 - HOSE, OIL COOLER WATER INLET												
4D	**5199777**	* HOSE, 1 7/8"X1 1/2" CUT L.	1	1										
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		4.4214 - CLAMP, OIL COOLER WATER INLET HOSE												
4D	**8920537**	CLAMP, 1 9/16"-2 1/2" DIA.,3,4-53 (12.9660)	2	2										
		4.4330 - HOSE, MARINE GEAR OR TRANS OIL OUTLET												
4D	**5123317**	HOSE ASSY.,4-53 (43 1/8"X13/32" I.D.) (4.4335)										1		
4D	**5123315**	% HOSE ASSY.,4-53 (40 1/8"X13/32" I.D.) (4.4335)	1	1										
4D	**5137685**	HOSE ASSY.,6V53 (30 5/8"X13/32" I.D.)									1			
4D	**5125902**	HOSE ASSY.,3,4-53 (16"X13/32")											1	1
	2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (12.3830)									1			
4D	**120142**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)	1	1							2	1	1	1
4D	**118757**	ELBOW, 1/2" FL. TUBE 90 DEG. (12.4085)	1	1								1		
4D	**120278**	NIPPLE, 3/8"X2 1/2" PIPE (12.9560)	1	1								1		
4D	**144603**	NIPPLE, 3/8"X3" PIPE (12.9560)									2		1	1
	142269	BUSHING, 1/2"X3/8" RED. PT. (12.9570)											1	1
		% NOT SERVICED, FOR SERVICE USE 5123317 HOSE.												
		4.4335 - HOSE, MARINE GEAR OR TRANS OIL INLET												
4D	**5123315**	* HOSE ASSY.,3,4-53 (40 1/8"X13/32" I.D.)		1										
4D	**5123316**	HOSE ASSY.,3,4-53 (34 5/8"X13/32" I.D.)	1											
4D	**5127819**	HOSE ASSY.,6V53 (28"X13/32"I.D.) (RED GEAR)									1			
4D	**5108901**	HOSE ASSY.,6V53 (21 1/2"X13/32" I.D.) (DIRECT DRIVE)									1			
4D	**5123317**	HOSE ASSY.,3-53 (43 1/8"X13/32" I.D.)										1		
4D	**5115873**	HOSE ASSY.,3,4-53 (20"X13/32"I.D.) (DIRECT DRIVE)											1	
4D	**5124391**	HOSE ASSY., 3,4-53 (24"X13/32" I.D.) (RED. GEAR)											1	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	274	275	276	277	278	297	302	304	310	315	316
		4.4335 - HOSE, MARINE GEAR OR TRANS OIL INLET (CONT'D)												
4D	**5185394**	HOSE ASSY.,3,4-53 (27"X13/32"I.D.) (DIRECT DRIVE) (8.3830)												1
4D	**5128916**	+ HOSE ASSY.,3,4-53 (29"X13/32"I.D.) (RED. GEAR)												1
4D	**120142**	ELBOW, 3/8" INV. FL. 90 DEG. (12.9390)	1	1							1	1	1	1
4D	**118757**	ELBOW, 1/2" FL. TUBE 90 DEG. (12.4085)	1	1								1		
	2387408	CONNECTOR (1/2"TUBE X 1/2" PIPE) (8.3830)									1			
4D	**144606**	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)	1	1							1	1		
4D	**120127**	NIPPLE, 3/8"X2" PIPE (12.9560)											1	1
		* NOT SERVICED, FOR SERVICE USE 5123317 HOSE.												
		+ OBSOLETE.												
		4.4345 - CLIP, OIL COOLER LINES												
	5171509	CLIP,3-53,6V53 (9.1591)	4	4							2	2		
	5173022	BRACKET, CLIP (5.5379)	1	1							1	1		
	186627	BOLT, 3/8"-24X1" (12.9001)	1	1							1	1		
	103321	LOCKWASHER, 3/8" (12.9200)	1	1							1	1		
	117049	NUT, 3/8"-24 (12.9120)	1	1							1	1		

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4.4000A OIL COOLER AND MARINE GEAR LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 335	341	351	352	358	359	376	377	378	380	385	394
		4.4001 - CORE, OIL COOLER-ENGINE												
4A	**8501328**	CORE ASSY.,3-53 (6 PLATE)		1								1		
4A	**8539953**	CORE ASSY.,4-53 (8 PLATE)			1		1		1	1				
4A	**8502546**	CORE ASSY.,4-53,8V53 (8 PLATE)												1
4B,C	**8545373**	CORE ASSY.,4-53,6V53 (12 PLATE)	1			1		1	1	1	1		1	
4C	**8502833**	CORE ASSY.,6V53 (12 PLATE)						1						
4B	**8528885**	CORE ASSY.,6,8V53 (16 PLATE)	1			1					1		1	
		4.4030 - GASKET, OIL COOLER CORE-INNER												
4A,B,C	**5150155**	GASKET,4-53,6V53	2	1	1	2	1	1	2	2	2	1	2	1
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
4A,B,C	**5102506**	GASKET	2	1	1	2	1	1	2	2	2	1	2	1
		4.4050 - HOUSING, OIL COOLER-ENGINE												
4C	**5128151**	# HOUSING,6V53	1			1					1			
4A	**5119452**	HOUSING,3-53		1								1		
4A	**5119454**	HOUSING,4-53			1									
4A	**5109858**	+ HOUSING,4-53					1							
4C	**5135538**	HOUSING,6V53						1						
4B	**5130360**	HOUSING,4-53							1					
4B	**5130361**	HOUSING,4-53								1				
4A	**5119453**	HOUSING,4-53												1
4A,C	**103647**	DRAINCOCK, 1/4" (12.9510)		1	1	1		1	1	1		1	1	1
4A	**179830**	BOLT, 5/16"-18X3" (12.9001)		7								7		
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)		1	1		8		2	2		1		8
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)						8	3	3			2	
	215386	BOLT, 5/16"-18X6" (12.9001)	5			5					5		4	
4A,C	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, FOR REPLACEMENT USE 5135914 AND INCLUDE (1) 5142549 PLUG.												
		+ OBSOLETE												
		4.4060 - COVER, OIL COOLER HOUSING												
10B	**5123214**	% COVER,4-53,6V53 (3/4" TAPPED HOLES)	1						1	1	1			
4B	**5188862**	% COVER,4-53,6,8V53				1							1	
4B	**186624**	BOLT, 5/16"-18X1 1/4" (12.9001)											6	
4B	**106327**	BOLT, 5/16"-18X1 3/8" (12.9001)							3	3				
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)									3			
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)	2						2	2	2			

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 335	341	351	352	358	359	376	377	378	380	385	394
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)												
4B	**215404**	BOLT, 5/16"-18X5 3/4" (12.9001)							3	3				
4B	**447188**	BOLT, 5/16"-18X6 3/4" (12.9001)				2							2	
4B	**180737**	BOLT, 5/16"-18X7" (12.9001)	2								2			
4B	**103320**	LOCKWASHER, 5/16" (12.9200)	4			2			8	8	7		8	
		% NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.												
		4.4110 - ADAPTOR, OIL COOLER												
4A	**5123414**	+ ADAPTOR,3-53		1						1				
4A	**5123413**	% ADAPTOR,3,4-53			1				1			1		1
	5179142	@ ADAPTOR,4-53					1							
4A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4				4	4		4		4
4A	**5157244**	BOLT, 3/8"-16X1 3/4" (12.9001)		2	2		4					2		2
4A	**179847**	BOLT, 3/8"-16X2" (12.9001)					2		2	2				
4A	**179867**	BOLT, 7/16"-14X2 1/4" (12.9001)					1							
	103342	WASHER, 7/16" (12.9190)					4							
4A	**103321**	LOCKWASHER, 3/8" (12.9200)		AR	AR		6		6	AR		AR		AR
4A	**103322**	LOCKWASHER, 7/16" (12.9200)					1							
		@ OBSOLETE.												
		% NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.												
		+ NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
4A,B	**8923738**	GASKET,2,3,4-53		3	3		4		3	3		3		3
4A,B	**5103906**	GASKET,3,4-53		1	1		1		1	1		1		1
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET												
	5120028	HOSE ASSY. (41 1/2"X5/8"I.D.) (3.5505)							1					
	5183095	HOSE ASSY.,4-53 (53 3/16"X5/8"I.D.) (8.3800)									1			
	5187150	HOSE ASSY.,4-53 (58 1/4"X5/8"I.D.) (9.1587)								1				
	5177664	CONNECTOR (5/8" FL. TUBE X 3/4" P.T.) (8.3800)							1	1	1			
	8925073	ELBOW (3/4" TUBE X 3/4" P.T. 90 DEG.) (12.9590)									1			
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)							1	1	1			
	189775	TEE, 3/4"X1/2" PIPE RED. (12.9616)							1	1	1			
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET												
	5120028	HOSE ASSY.,4-53 (41 1/2"X5/8"I.D.) (3.5505)							1					
	5183095	HOSE ASSY., 6V53 (53 3/16"X5/8"I.D.) (8.3800)									1			

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4.4000A OIL COOLER

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 335	341	351	352	358	359	376	377	378	380	385	394
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET (CONT'D)												
	5187150	HOSE ASSY.,4-53 (58 1/4"X5/8"I.D.) (9.1587)								1				
	5176705	ELBOW (3/4" TUBE X 3/4" P.T. 90 DEG.) (8.3800)							1	1	2			
		4.4345 - CLIP, OIL COOLER LINES												
	5165244	CLIP,4-53 (7/8" TUBE) (4.8040)							4	4				
	5157702	CLIP,6V53 (1" TUBE) (4.8040)									4			
	5181325	BRACKET, CLIP (4.8042)							1	1				
	5173022	BRACKET, CLIP (5.5379)							1	1				
	186629	BOLT, 5/16"-18X1" (12.9001)							2	2				
	103320	LOCKWASHER, 5/16" (12.9200)							2	2				
	120376	NUT, 5/16"-18 (12.9120)							2	2				
		4.4360 - SWITCH, TRANSMISSION OIL TEMPERATURE												
	6401093	SWITCH (7.4130)							1	1	1			

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 400	401	405	413	415	421	426	427	433	437	443	444
		4.4001 - CORE, OIL COOLER-ENGINE												
	8501323	CORE ASSY.,2-53 (4 PLATE)							1					
4A	8501328	CORE ASSY.,3-53 (6 PLATE)	1											
	8502549	CORE ASSY.,3-53 (6 PLATE)		1										
4A	8502546	* CORE ASSY.,4-53,6V53 (8 PLATE)								1				
	8534392	CORE ASSY.,8V53 (8 PLATE) (CUPRO-NICKLE)										1		
	8502546	CORE ASSY.,4-53 (8 PLATE)												2
4C	8529879	CORE ASSY.,6V53 (10 PLATE)				1								
4C	8529880	CORE ASSY.,6V53 (14 PLATE)				1								
4B,C	8545373	CORE ASSY.,4-53,6V53 (12 PLATE)											1	
4B	8528885	CORE ASSY.,6,8V53 (16 PLATE)			1	1	1	1			1			
	8534100	+ CORE ASSY.,8V53 (16 PLATE)									1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)										8		
	5133539	WASHER, 1 3/8" (4.4060)				4								
	103320	LOCKWASHER, 5/16" (12.9200)										8		
	5133538	NUT, 1 3/8"-16 (4.4060)				4								
		* NOT SERVICED, FOR TYPE 427 CONVERT TO TYPE 437.												
		+ OBSOLETE												
		4.4030 - GASKET, OIL COOLER CORE-INNER												
4A,B,C	5150155	GASKET,4-53,6V53	1	1	1	1	1	1	1	1	1	1	1	2
	5138127	+ GASKET,8V53								1				
	5133619	GASKET,6V53				4								
		+ OBSOLETE.												
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
4A,B,C	5102506	GASKET,4-53,6V53	1	1	1	1	1	1	1	1	1		1	2
	5134818	GASKET,6V53			1									
	5133537	GASKET,6V53				1								
	5135173	+ GASKET,8V53									1			
		+ OBSOLETE												
		4.4050 - HOUSING, OIL COOLER-ENGINE												
4A	5119451	HOUSING,3-53	1	1										
	5132649	HOUSING,6V53			1									
	5133532	HOUSING,6V53				1								
4C	5132703	+ HOUSING,8V53						1						
	5133339	HOUSING,8V53						1						
	5119449	HOUSING,2-53							1					
	5134224	+ HOUSING,8V53								1		1		
	5134813	+ HOUSING,8V53									1			
	5135519	* HOUSING,6V53											1	
	5116491	HOUSING,4-53												1

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4.4000A OIL COOLER AND MARINE GEAR LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 4000	4001	4005	4113	4115	4211	4226	4227	4333	4337	4443	4444
		4.4050 - HOUSING, OIL COOLER-ENGINE (CONT'D)												
4A,C	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	2	1	1	1	1	1	2	1
	5121182	PLUG, 1/4" SOC. HD. (2.4015)						1						
	113177	PLUG, 3/4" SQ. HD. (12.9550)								1		1		
	8923313	PLUG, 3/4" SQ. HD. PIPE (12.9550)											2	
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)							7					
4A	179830	BOLT, 5/16"-18X3" (12.9001)	7	7										
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	1	1					1					
4C	186650	BOLT, 5/16"-18X4 3/4" (12.9001)											8	
	215386	BOLT, 5/16"-18X6" (12.9001)			3	4	6	6			3			
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)				3								
	179839	BOLT, 3/8"-16X1" (12.9001)								2		1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										1		
	120393	WASHER, 5/16" (12.9190)			3	8								
	103341	WASHER, 3/8" (12.9190)								2		2		
4A,C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	
	103321	LOCKWASHER, 3/8" (12.9200)								2		2		
		* NOT SERVICED, USE (1) 5144308 HOUSING AND INCLUDE (1) 5145249 PLUG.												
		+ OBSOLETE												
		4.4055 - GASKET, OIL COOLER HOUSING												
	5115395	GASKET,8V53 (TO RAW WATER PUMP)								1		1		
		4.4060 - COVER, OIL COOLER HOUSING												
	5188862	% COVER,4-53,6,8V53								1				1
	5186603	COVER,6V53			1									
	5133536	COVER,8V53				1								
	5138126	+ COVER,8V53									1			
	5133960	STUD, 5/16"-18-24X9.60"L. (12.9117)			3									
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)			5									
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)									3			8
	120393	WASHER, 5/16" (12.9190)			8									
4B	103320	LOCKWASHER, 5/16" (12.9200)				AR				AR	3			8
	114493	LOCKNUT, 5/16"-24 (2.7170)			3									
		+ OBSOLETE.												
		% NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.												
		4.4100 - BRACKET, OIL COOLER HOUSING SUPPORT												
	5134178	+ BRACKET,8V53								1		1		
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)								1		1		
		+ OBSOLETE.												

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 400	401	405	413	415	421	426	427	433	437	443	444
		4.4110 - ADAPTOR, OIL COOLER												
4A	**5123414**	+ ADAPTOR,3-53												1
4A	**5123413**	% ADAPTOR,3,4-53		1										
4A	**5121227**	ADAPTOR,2,3-53	1						1					
	5121182	PLUG, 1/4" PIPE (2.4015)	1											
4A	**9409215**	BOLT, 3/8"-16X1 1/4" (12.9001)	4											
4A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)		4										4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							4					
4A	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)		2										
4A	**179847**	BOLT, 3/8"-16X2" (12.9001)												2
4A	**103341**	WASHER, 3/8" (12.9190)	4											
4A	**103321**	LOCKWASHER, 3/8" (12.9200)		6					4					6
		% NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.												
		+ NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
4A,B	**8923738**	GASKET,2,3,4-53	2	3					2					3
4A,B	**5103906**	GASKET,3,4-53		1										1
4A,B	**5116416**	GASKET,2,3-53 (5.1006)	1						1					
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
	5108605	ELBOW (5.3420)			1									
	5120540	GASKET			1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			2									
	103341	WASHER, 3/8" (12.9190)			2									
	103321	LOCKWASHER, 3/8" (12.9200)			2									
		4.4242 - FLANGE, OIL COOLER WATER OUTLET												
	5141173	FLANGE,6,8V53				1	1	1			1			
	5138777	# FLANGE,8V53					1	1			1			
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				2	2							
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)			2						2			
	120393	WASHER, 5/16" (12.9190)						2						
	103320	LOCKWASHER, 5/16" (12.9200)			2		2	2			2			
		# NOT SERVICED; USE 5141173 FLANGE AND INCLUDE 5141210 SEAL RING.												
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE												
	5141210	SEAL RING,6,8V53				1	1	1			1			
	5138776	* SEAL RING,8V53					1	1			1			
		* NOT SERVICED; USE 5141210 SEAL RING AND INCLUDE 5141173 FLANGE.												

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4.4000A OIL COOLER

PART NUMBER	NAME AND DESCRIPTION	TYPES 4000	4001	4005	4113	4115	4121	4126	4227	4333	4337	4443	4444
4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET													
5185394	HOSE ASSY.,8V53 (27"X13/32"I.D.) (8.3830)								1				
5173858	HOSE ASSY.,8V53 (31"X13/32"I.D.) (12.4085)										1		
111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)								2				
444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)										1		
142269	BUSHING, 1/2"X3/8" (12.9570)										1		
142767	BUSHING, 3/4"X3/8" RED. (12.9570)								2				
4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET													
5108901	HOSE ASSY.,8V53 (21 1/2"X13/32")								1				
5185394	HOSE ASSY.,8V53 (27"X13/32"I.D.) (8.3830)										1		
444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)										1		
118757	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)								2		2		
142269	BUSHING, 1/2"X3/8" (12.9570)										1		
444136	TEE, 3/8" P.T. (12.9616)								1		1		
4.4345 - CLIP, OIL COOLER LINES													
5151189	CLIP,8V53								2		2		
5166565	BRACKET, CLIP								1				
5160425	SPACER, 13/32"X23/32" (2.3267)										1		
186619	BOLT, 3/8"-16X1 1/8" (12.9001)								1				
108608	BOLT, 3/8"-16X2 1/8" (12.9001)								1				
179850	BOLT, 3/8"-16X2 3/4" (12.9001)										1		
103321	LOCKWASHER, 3/8" (12.9200)								1				
102635	NUT, 3/8"-16 (12.9120)								1				

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 447	451	453	455	456	459	460	462	463	464	466	467
		4.4001 - CORE, OIL COOLER-ENGINE												
4A	**8501328**	CORE ASSY.,3-53 (6 PLATE)			1	1								1
	8502549	CORE ASSY.,3-53 (6 PLATE)											1	
	8534719	# CORE ASSY.,6,8V53 (8 PLATE)					1		1			1		
4C	**8502833**	CORE ASSY.,6V53 (12 PLATE)		1							1			
4B,C	**8545373**	CORE ASSY.,6V53 (12 PLATE)	1					1		1				1
4B	**8528885**	CORE ASSY.,6,8V53 (16 PLATE)								1				
4A	**8532253**	CORE ASSY.,6V53 (16 PLATE)									1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)					8		8			8		
	103320	LOCKWASHER, 5/16" (12.9200)					8		8			8		
		# INCLUDES NUT AND RING IN 4.4001.												
		4.4030 - GASKET, OIL COOLER CORE-INNER												
4A,B,C	**5150155**	GASKET	1	1	1	1	1	1	1	2	2	1	1	2
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
4A,B,C	**8923223**	GASKET	1	1	1	1		1		2	2		1	2
		4.4050 - HOUSING, OIL COOLER-ENGINE												
	5135518	& HOUSING,6V53	1	1										
4A	**5119452**	HOUSING,3-53			1									
	5135801	@ HOUSING,3-53				1								
4C	**5128151**	% HOUSING,6V53								1	1			
	5136074	+ HOUSING,3-53											1	
	5135516	HOUSING,6V53												1
	5137989	HOUSING,6V53						1						
	103647	DRAINCOCK, 1/4" (12.9510)	1	2	1			2		1	1		1	2
	8923313	PLUG, 3/8" PIPE (12.9550)	1	1							1			
4A	**179830**	BOLT, 5/16"-18X3" (12.9001)			7	7							7	
4A	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)			1	1							1	
4C	**186650**	BOLT, 5/16"-18X4 3/4" (12.9001)	8	8				8						8
	215386	BOLT, 5/16"-18X6" (12.9001)								5	5			
	120393	WASHER, 5/16" (12.9190)											8	
4A,C	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	8	8		AR		AR	AR		8	AR
		& NOT SERVICED, USE 5135915 AND INCLUDE (1) 5142549 PLUG.												
		@ NOT SERVICED, FOR SERVICE USE 5119452 HOUSING.												
		% NOT SERVICED, USE 5135914 AND INCLUDE (1) 5142549 PLUG.												
		+ OBSOLETE.												
		4.4060 - COVER, OIL COOLER HOUSING												
10B	**5123214**	@ COVER,4-53,6V53 (3/4" TAPPED HOLES)								1				
	5188862	COVER,6V53									1			
	5129274	@ COVER,4-53,6V53												1

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4.4000A OIL COOLER AND MARINE GEAR LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 447	451	453	455	456	459	460	462	463	464	466	467
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)												
4B	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									5			
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)								3				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)												7
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)								2				1
4B	447188	BOLT, 5/16"-18X6 3/4" (12.9001)									3			
4B	180737	BOLT, 5/16"-18X7" (12.9001)								3				
4B	120393	WASHER, 5/16" (12.9190)												8
4B	103320	LOCKWASHER, 5/16" (12.9200)								8	8			8
		@ NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.												
		4.4110 - ADAPTOR, OIL COOLER												
4A	5144394	ADAPTOR,3-53 (ALUMINUM L.H.)			1									
4A	5123414	# ADAPTOR,3-53				1								
	5135437	+ ADAPTOR,3-53											1	
4A	179839	BOLT, 3/8"-16X1" (12.9001)			4	4							4	
4A	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)			2	2							2	
	103341	WASHER, 3/8" (12.9190)											4	
4A	103321	LOCKWASHER, 3/8" (12.9200)			6	6							6	
		+ OBSOLETE.												
		# NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.												
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
4A|B	5103906	GASKET,3,4-53			1	1							1	
B	8923738	GASKET,2,3,4-53			3	3							3	
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
	5136051	ELBOW, WATER INLET,2-53											1	
	3222141	GASKET (5.3280)											1	
	8924140	DRAINCOCK, 1/4" (12.9510)											1	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)											2	
	120393	WASHER, 5/16" (12.9190)											2	
	103320	LOCKWASHER, 5/16" (12.9200)											2	
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET												
	5131492	HOSE ASSY.,6V53 (60"X13/32"I.D.) (12.4085)					1		1					
	5186451	+ HOSE ASSY.,6V53 (62"X3/4") (9.1587)								1				
	5185390	HOSE ASSY.,8V53 (66"X13/32"I.D.) (8.3830)										1		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 447	451	453	455	456	459	460	462	463	464	466	467
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET (CONT'D)												
	5137685	HOSE ASSY.,6V53 (4.4335)												1
	118752	CONNECTOR (1/2" FL. TUBE X 3/8" P.T.) (12.9380)										1		
	5177664	CONNECTOR (5/8" FL. TUBE X 3/4" P.T.) (8.3800)								1				
	2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (12.9380)												1
	118757	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)					1		1			1		
	5176705	ELBOW, 3/4" TUBE X 3/4" P.T. 90 DEG. (8.3800)							1					
	444042	ELBOW (3/8" STREET 90 DEG.) (12.9590)										1		
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)					1		1			1		
	144613	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)								1				
	144603	NIPPLE, 3/8"X3" PIPE (12.9560)					1			1				1
	189775	TEE, 3/4"X1/2" PIPE RED. (12.9616)								1				
		+ OBSOLETE.												
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET												
	5127819	HOSE, 6V53 (28"X13/32" I.D.) (4.4330)												1
	5123318	HOSE, 6V53 (47"X13/32" I.D.) (4.4330)					1							
	5185389	HOSE,4-53,6V53 (57 1/2"X13/32"I.D.) (8.3830)							1			1		
	5186451	+ HOSE, 6V53 (62"X3/4" I.D.) (9.1587)								1				
	118757	ELBOW, 1/2"TUBE X3/8"P.T. (12.9390)					1					1		
	111316	ELBOW (3/8" STREET) (12.9590)							1					
	120142	ELBOW (1/2" TUBE X 3/8" P.T. 90 DEG. (12.9390)					1		1					1
	5176705	ELBOW (3/4" TUBE X 3/4" P.T. 90 DEG.) (8.3800)								2				
	444042	ELBOW (3/8" STREET 90 DEG.) (12.9590)										1		
	144128	ELBOW (3/8" PIPE 90 DEG.) (12.9600)										1		
	2387408	CONNECTOR (1/2" TUBE X 1/2" PIPE) (12.9380)												1
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)							1			1		
	144606	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)			-				1			1		1
	144603	NIPPLE, 3/8"X3" PIPE (12.9560)					1							
	444136	TEE, 3/8"X18 (12.9616)										1		
		+ OBSOLETE.												
		4.4345 - CLIP, OIL COOLER LINES												
	5157702	CLIP,6V53 (1" TUBE) (4.8040)								4				
	5171509	CLIP,6V53 (5/8") (9.1591)					2		2					2
	5151189	CLIP,4-53,6,8V53 (3/4") (4.8040)										4		

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 447	451	453	455	456	459	460	462	463	464	466	467
		4.4345 - CLIP, OIL COOLER LINES (CONT'D)												
	5173022	BRACKET, CLIP (5.5379)										1		1
	5114551	TAG, CABLE (7.4545)					2		2					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										1		
	186274	BOLT, 5/16"-18X5" (12.9001)					1		1					
	186627	BOLT, 3/8"-24X1" (12.9001)										1		1
	103321	LOCKWASHER, 3/8" (12.9200)										1		1
	117049	NUT, 3/8"-24 (12.9120)										1		1
		4.4360 - SWITCH, TRANSMISSION OIL TEMPERATURE												
	6401093	SWITCH,6V53 (7.4130)								1				

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 471	481	485	489	490	491	492	494	495	502	507	508	512
		4.4001 - CORE, OIL COOLER-ENGINE													
	8501323	CORE ASSY.,2,4-53 (4 PLATE)						1	1	1		1			
	8539953	CORE ASSY.,4-53 (8 PLATE)						1	1			1			
4B,C	8545373	CORE ASSY.,6V53 (12 PLATE)		1		1	1							1	1
4B	8528885	CORE ASSY.,6,8V53 (16 PLATE)			1										1
		4.4030 - GASKET, OIL COOLER CORE-INNER													
4A,B,C	5150155	GASKET	1	1	1	1	1	2	2	1	1	2	1	1	2
		4.4040 - GASKET, OIL COOLER CORE-OUTER													
4A,B,C	5102506	GASKET		1		1	1	3	2	1	2	2	1	1	2
	5134818	GASKET			1										
		4.4050 - HOUSING, OIL COOLER-ENGINE													
	5135915	HOUSING,6V53	1												
	5137989	HOUSING,6V53		1											
	5137738	+ HOUSING,8V53			1										
	5137790	HOUSING,6V53				1								1	
	5139912	HOUSING,6V53					1								
	5123618	HOUSING,4-53						1				1			
	5123619	HOUSING,4-53								1			1		1
	5119449	HOUSING,2-53													
	5135914	HOUSING, 6V53													1
	103647	DRAINCOCK, 1/4" (12.9510)		2	2	2	2	1	1	1		1	1	2	
	8924140	DRAINCOCK, 1/4" (12.9510)													1
	8923313	PLUG, 3/8" PIPE (12.9550)				1	1								1
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)								7			7		
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)					1						1		
4C	186650	BOLT, 5/16"-18X4 3/4" (12.9001)	8	8		8	8							8	
	215386	BOLT, 5/16"-18X6" (12.9001)			6										5
4A,C	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR			AR			AR	AR	AR
		+ OBSOLETE													
		4.4060 - COVER, OIL COOLER HOUSING													
10B	5123214	# COVER (3/4" TAPPED HOLES)						1	1		1				1
	5146505	COVER,6V53					1					1			
	5129274	# COVER,4-53,6V53										2			
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)					2	2	2		2				
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)													
	5115214	PLUG, 1/2" PIPE (12.9550)						2	2		8				
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)													3
	186629	BOLT, 5/16"-18X1" (12.9001)													2
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)						6	6			6			
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)						2	2			2			
	215404	BOLT, 5/16"-18X5 1/4" (12.9001)													3
	215386	BOLT, 5/16"-18X6" (12.9001)						8	8		8	8			8
	180737	BOLT, 5/16"-18X7" (12.9001)													
4B	103320	LOCKWASHER, 5/16" (12.9200)													

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 471	481	485	489	490	491	492	494	495	502	507	508	512
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)													
		# NOT SERVICED; FOR SERVICE USE 5107975 COVER AND (2) 5142549 PLUGS.													
		4.4110 - ADAPTOR, OIL COOLER													
	5123616	ADAPTOR,4-53						1							
	5123617	* ADAPTOR,4-53 (S.D. 76)							1			1			
	5121227	ADAPTOR,2-53								1					
	5138774	ADAPTOR,2-53											1		
	5138773	PLATE, ADAPTOR											1		
	5121182	PLUG, 1/4" PIPE (2.4015)						1	1			1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								4					
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)											4		
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						2	2			2			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						2	2			2			
4A	**103321**	LOCKWASHER, 3/8" (12.9200)						4	4	4		4	4		
		* NOT SERVICED, USE 5123616.													
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK													
4A,B	**5103906**	GASKET,3,4-53						1	1			1			
4A,B	**8923738**	GASKET,2,3,4-53						2	2	2		2			
	5119329	GASKET, 2-53 (5.1006)								1			1		
	5144703	GASKET, 6V53 (5.5050)									1				
		4.4242 - FLANGE, OIL COOLER WATER OUTLET													
	5138777	# FLANGE,8V53			1										
	5141173	FLANGE,8V53			1										
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)			2										
	103320	LOCKWASHER, 5/16" (12.9200)			2										
		# NOT SERVICED, FOR REPLACEMENT USE 5141173 FLANGE AND INCLUDE 5141210 SEAL RING.													
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE													
	5138776	* SEAL RING,8V53			1										
	5141210	SEAL RING,8V53			1										
		* NOT SERVICED, FOR REPLACEMENT USE 5141210 SEAL RING AND INCLUDE 5141173 FLANGE.													

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 471	481	485	489	490	491	492	494	495	502	507	508	512
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET													
	5125902	HOSE ASSY.,4-53 (16"X13/32"I.D.) (2.5100)						1	1			1			
	120142	ELBOW, 1/2" TUBE X 3/8"P.T. 90 DEG. (12.9390)						1	1			1			
	144603	NIPPLE, 3/8"X3" PIPE (12.9560)						1	1			1			
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET													
	5115873	HOSE,4-53 (20"X13/32"I.D.)										1			
	5124391	HOSE,4-53 (24"X13/32"I.D.)							1						
	5128916	+ HOSE,4-53 (29"X13/32"I.D.) (2.5010)						1							
	120142	ELBOW (1/2" TUBE X 3/8" P.T. 90 DEG. (12.9390)						1	1			1			
	120127	NIPPLE, 3/8"X2 1/2" PIPE (12.9560)						1	1			1			
		+ OBSOLETE.													
		4.4345 - CLIP, OIL COOLER LINES													
	5151189	CLIP,4-53,6,8V53 (3/4") (4.8040)						3	2			2			
	5159393	BRACKET, CLIP (4.1575)						1	1			1			
	5114551	TAG, CABLE (7.4545)							2			2			
	179838	BOLT, 3/8"-16X7/8" (12.9001)						1	1			1			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						1							
	103321	LOCKWASHER, 3/8" (12.9200)						1	1			1			
	102635	NUT, 3/8"-16 (12.9120)						1	1			1			

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 528	536	554	556	559	560	569	575	577	578	585	586	600
		4.4001 - CORE, OIL COOLER-ENGINE													
4C	8502833	CORE ASSY.,6V53 (12 PLATE)	1												
4C	8528885	CORE ASSY., 6V53 (16 PLATE)													
4A	8539953	CORE ASSY.,3,4-53 (8 PLATE)		1	1			2							
4B,C	8545373	CORE ASSY., 4-53, 6V53 (12 PLATE)		1	1										
	8501323	CORE ASSY.,4-53 (4 PLATE)				1									
	8502549	CORE ASSY.,3-53 (6 PLATE)					1								
	5142436	CORE ASSY., (ENGINE COOLER) 8V53							1						
	5142388	CORE ASSY., (TRANS. COOLER) 8V53							1						
	8534719	# CORE ASSY.,6,8V53 (8 PLATE)								1					1
	8502546	CORE ASSY.,4-53 (8 PLATE) (4.4005)									1				
4A	8501328	CORE ASSY.,3-53 (6 PLATE)										1			
4D	5102389	CORE ASSY.,4-53 (8 PLATE)											1	1	
	8923313	PLUG, 3/4" (12.9550)										2			
4D	186618	BOLT, 5/16"-18X5/8" (12.9001)											8	8	
4D	179816	BOLT, 5/16"-18X3/4" (12.9001)								8					8
4D	103320	LOCKWASHER, 5/16" (12.9200)								8			8	8	8
		# INCLUDES NUT AND RING IN 4.4001.													
		4.4030 - GASKET, OIL COOLER CORE-INNER													
4A,B,C	5150155	GASKET	1	2	3	2	1		2	1	1	1			1
4D	5120896	GASKET,4-53 (4.4040)											1	1	
		4.4040 - GASKET, OIL COOLER CORE-OUTER													
4A,B,C	5102506	GASKET	1	2	2	1	1	2	1		1	1			
		4.4050 - HOUSING, OIL COOLER-ENGINE													
	5137989	HOUSING	1												
4B	5116491	HOUSING,3,4-53 (L.H.)			1			1							
4A	5119452	HOUSING, OIL COOLER,3-53 (L.H.)					1								
4A	5133678	HOUSING,3-53							1						
4A	5119454	HOUSING,4-53 (L.H.)									1				
4D	5122566	HOUSING,4-53											1		
4D	5121183	HOUSING,4-53												1	
4C	5140391	HOUSING, 6V53		1											
	5129499	SPACER			1										
	8923313	PLUG, 3/4" PIPE (12.9550)		1											
	103647	DRAINCOCK, 1/4" (12.9510)	2	2	1		1	1			1	1			
4D	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											1	1	
	179830	BOLT, 5/16"-18X3" (12.9001)					7					7			
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)					1				8	1			
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)	6												
4D	186274	BOLT, 5/16"-18X5" (12.9001)											1	1	
	215386	BOLT, 5/16"—18X6" (12.9001)		5											
	120393	WASHER, 5/16" (12.9190)										8			
4D	103320	LOCKWASHER, 5/16" (12.9200)	AR	5			8				AR	AR	AR	AR	

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 528	536	554	556	559	560	569	575	577	578	585	586	600
		4.4055 - GASKET, OIL COOLER HOUSING													
4D	**5116357**	GASKET,4-53 (1.1070)											1	1	
		4.4060 - COVER, OIL COOLER HOUSING													
10B	**5123214**	+ COVER, 3,4-53,6V53 (3/4" TAPPED HOLES)		1	1			1							
	5129274	+ COVER,4-53				1									
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)				2									
	111316	ELBOW, 90 DEG.-3/8" STREET (12.9590)				2									
	179822	BOLT, 5/16"—18X1 1/2" (12.9001)		3											
	186648	BOLT, 5/16"—18X1 7/8" (12.9001)		2											
	215404	BOLT, 5/16"-18X5 3/4" (12.9001)				6									
	215386	BOLT, 5/16"-18X6" (12.9001)				2									
	447188	BOLT, 5/16"-18X6 3/4" (12.9001)						6							
	180737	BOLT, 5/16"-18X7" (12.9001)		3				2							
	216857	BOLT, 5/16"-18X8" (12.9001)						8							
	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)			2										
	103320	LOCKWASHER, 5/16" (12.9200)		8	8	8		8							
		+ NOT SERVICED, USE 5107975 COVER AND (2) 5142549 PLUGS.													
		4.4110 - ADAPTOR, OIL COOLER													
4A	**5123414**	% ADAPTOR,3,4-53			1		1	1			1				
	5141426	ADAPTOR,8V53 (REAR)							1						
	5109685	ADAPTOR,8V53							1						
	5144394	ADAPTOR,3-53 (L.H.)										1			
	5141424	# ADAPTOR ASSY.,8V53 (TO BLOCK)							1						
	5141427	= ADAPTOR ASSY.,8V53 (FRONT)							1						
	5115214	PLUG, 1/2" HEX. SKT. (12.9550)							1						
	8923313	PLUG, 3/4"-14 NPTF SKT. SQ. SOC. (12.9550)							2						
	5176182	STUD, 3/8"-16X1 13/16" OIL CLR. (4.4050)							8						
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)							5						
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)							3						
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)							24						
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)							8						
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)			4			4				4			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					4				4				
4A	**5157244**	BOLT, 3/8"-16X1 3/4" (4.4190)										2			
	179847	BOLT, 3/8"-16X2" (12.9001)			2		2	2			2				
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							2						
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							4						
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)							2						
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)							1						
	451700	BOLT, 1/2"-13X8" (12.9001)							2						
	193031	BOLT, 1/2"-13X8 3/4" (12.9001)							1						
	186643	BOLT, 5/8"-18X2 1/16" (12.9001)							6						
	120393	WASHER, 5/16" (12.9190)							50						

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 528	536	554	556	559	560	569	575	577	578	585	586	600
		4.4110 - ADAPTOR, OIL COOLER (CONT'D)													
	103341	WASHER, 3/8" (12.9190)							6			6			
	103343	WASHER, 1/2" (12.9190)							4						
	103320	LOCKWASHER, 5/16" (12.9200)							50						
4A	**103321**	LOCKWASHER, 3/8" (12.9200)			6		6	6	6		6	6			
	103323	LOCKWASHER, 1/2" (12.9200)							4						
	114493	NUT, 5/16"-24 (2.7170)							36						
		# INCLUDES (8) 5176182 STUDS AND (2) 5142549 PLUGS IN 4.4110.													
		= INCLUDES (4) 103196 STUDS AND (2) 5157933 DOWELS IN 4.4110.													
		% NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.													
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK													
4A,B	**5103906**	GASKET,3,4-53			1		1	1			1				
4A,B	**8923738**	GASKET,3,4-53			3		3	3			3	4			
	5141919	GASKET,8V53							1						
	5141894	GASKET,8V53							2						
	5116416	GASKET,3-53 (5.1006)										1			
		4.4140 - VALVE, OIL COOLER BYPASS													
	5177777	VALVE,8V53							2						
		4.4150 - SPRING, OIL COOLER BYPASS VALVE													
	5126436	SPRING (4.1690)							2						
		4.4160 - PLUG, OIL COOLER BYPASS VALVE													
	5113657	PLUG (4.1710)							2						
		4.4170 - GASKET, OIL COOLER BYPASS VALVE PLUG													
	5177773	GASKET,8V53							2						
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION													
	5133721	RING, SEAL							2						

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 528	536	554	556	559	560	569	575	577	578	585	586	600
		4.4213 - HOSE, OIL COOLER WATER INLET													
4D	**5199777**	* HOSE, 4-53 1 7/8" X 1 1/2" (5.3422) * STANDARD LENGTH HOSE. CUT TO LENGTH SHOWN.											1	1	
		4.4214 - CLAMP, OIL COOLER WATER INLET													
4D	**8920537**	CLAMP, 1 9/16"-2 1/2" DIA. (12.9660)											1	1	
		4.4242 - FLANGE, OIL COOLER WATER OUTLET													
	5138777	@ FLANGE,6V53	1												
	5141173	FLANGE,6V53	1												
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)	2												
	103320	LOCKWASHER, 5/16" (12.9200)	2												
		@ NOT SERVICED. FOR REPLACEMENT USE 5141173 FLANGE AND 5141210 SEAL RING IN 4.4244.													
		4.4244 - GASKET, OIL COOLER WATER OUTLET FLANGE													
	5138776	# SEAL RING	1												
	5141210	SEAL RING	1												
		# NOT SERVICED. FOR REPLACEMENT USE 5141210 SEAL RING AND 5141173 FLANGE IN 4.4242.													
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET													
	5185394	HOSE ASSY.,3-53 (27"X13/32"I.D.) (8.3830)				1				1					
	5123319	HOSE ASSY.,6V53 (53 1/2"X13/32" I.D.)											1		
4D	**5144449**	HOSE,4-53,#8X39"L. (TEFLON)												1	
4D	**5144471**	HOSE,4-53,#8X43"L. (TEFLON)													1
4D	**5131492**	HOSE,6,8V53,13/32"X60"L. (12.4085)											2	2	
	5144934	CLAMP, #8 (TEFLON COATED)													
4D	**118752**	CONNECTOR, 1/2" TUBE X 3/8" P.T. (12.9380)											1		
4D	**144603**	NIPPLE, 3/8"X3" PIPE (12.9560)											1	1	

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 528	536	554	556	559	560	569	575	577	578	585	586	600
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET (CONT'D)													
	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)				2							1	1	
	111316	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)								2					2
4D	5130294	ELBOW, 1/2" TUBE, 3/4" NPTF 45 DEG. (12.4090)												1	
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)								1					1
4D	186678	BOLT, 3/8"-16X1" (12.9001)												1	
4D	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)											1		
4D	186627	BOLT, 3/8"-24X1" (12.9001)											1	1	
	103341	WASHER, 3/8" (12.9190)											1	1	
	103321	LOCKWASHER, 3/8" (12.9200)											2	2	
	117049	NUT, 3/8"-24 (12.9120)											1	1	
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET													
	5125902	HOSE ASSY.,3-53 (13/32"X16" L.) (2.5100)				1									
	5131492	HOSE ASSY.,6,8V53 (13/32"X60" L.) (12.4085)								1					1
4D	5144492	HOSE,4-53,#8X30" L. (TEFLON) (4.4330)											1		
4D	5144458	HOSE,4-53,#6X51" L. (TEFLON) (4.4330)												1	
	5144934	CLAMP, #8 (TEFLON COATED) (4.4330)											1	3	
4D	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)											1	1	1
	111316	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)								2					1
	5130294	ELBOW, 1/2" TUBE X 3/4" NPTF - 45 DEG. (12.4090)											1	1	
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)								1					1
	144606	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)								1					
	120127	NIPPLE, 3/8"X2 1/2" PIPE (12.9560)				1									
4D	144603	NIPPLE, 3/8"X3" PIPE (12.9560)				1							1	1	1
	444136	TEE, 3/8"X18" (12.9616)								1					
		4.4345 - CLIP, OIL COOLER LINES													
	5171509	CLIP,6V53 (5/8") (9.1591)								2					2
	5151189	CLIP (3/4") (4.8040)				3									
	5159393	BRACKET, CLIP (4.1575)				1									
	5173022	BRACKET (5.5379)											1	1	
	5114551	TAG, CABLE (7.4545)				2									2
	179816	BOLT, 5/16"-18X3/4" (12.9001)								1					

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 528	536	554	556	559	560	569	575	577	578	585	586	600
		4.4345 - CLIP, OIL COOLER LINES (CONT'D)													
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)								1					
	186274	BOLT, 5/16"-18X5" (12.9001)								1					1
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				1									
	120393	WASHER, 5/16" (12.9190)								1					
	103321	LOCKWASHER, 3/8" (12.9200)				1									
	102635	NUT, 3/8"-16 (12.9120)				1									

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	610	616	625	633	634	636	653	675	706	757
		4.4001 - CORE, OIL COOLER-ENGINE											
4B,C	8545373	CORE ASSY.,4-53,8V53 (12 PLATE)			1								1
	5142436	CORE ASSY.,8V53			1								
	5142388	CORE ASSY.,8V53			1								
	8534719	# CORE ASSY.,6,8V53 (8 PLATE)	1			1	1	1	1		1		
	8502549	CORE ASSY.,3-53 (6 PLATE)		2									
4A	8501328	CORE ASSY.,3-53 (6 PLATE)										2	
	2325715	ELBOW, 1/2"-90 DEG. (3.5505)	2					2					
	8923313	PLUG, 3/4" (12.9550)			2								
4D	179816	BOLT, 5/16"-18X3/4" (12.9001)	8								8		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				8	8	8	8				
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)										8	
4D	103320	LOCKWASHER, 5/16" (12.9200)	8			8	8	8	8		8	8	
		# INCLUDES NUT AND RING IN 4.4001.											
		4.4030 - GASKET, OIL COOLER CORE-INNER											
4A,B,C	5150155	GASKET	1	2	1					1		2	2
	5144703	GASKET (5.5050)				1	1	1	1		1		
		4.4040 - GASKET, OIL COOLER CORE-OUTER											
4A,B,C	5102506	GASKET		2	1					1		2	1
		4.4050 - HOUSING, OIL COOLER-ENGINE											
	5116489	HOUSING, 3-53		1								1	1
		4.4060 - COVER, OIL COOLER HOUSING											
4B	5123214	+ COVER,3,4-53,6V53								1		1	
	5146505	COVER, 4-53											1
10B	5188862	+ COVER,3-53		1									
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				2					2		
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)								2			
	431538	CONNECTOR, 1/2" TUBE, 3/8" PT. INV. (12.9460)								2			
	111316	ELBOW, 90 DEG.-3/8" STREET (12.9590)				2							
	118757	ELBOW, 90 DEG.-1/2" TUBE (12.9390)									2		
	9432248	ELBOW, 3/8" INV. FLARED TUBE (12.9480)								1			
	103647	DRAINCOCK, 1/4" (12.9510)		1									1
	5115214	PLUG, 1/2" PIPE (12.9550)											2
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)								6			
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)								2			
4B	455971	BOLT, 5/16"-18X5 1/2" (12.9001)		1									8
	103320	LOCKWASHER, 5/16" (12.9200)		8						8			8
		+ NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.											

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	610	616	625	633	634	636	653	675	706	757
		4.4110 - ADAPTOR, OIL COOLER											
	5123414	% ADAPTOR,3,4-53		1								1	
	5109685	ADAPTOR,8V53			1								
	5141424	# ADAPTOR ASSY.,8V53 (TO BLOCK)			1								
	5141427	= ADAPTOR ASSY.,8V53 (FRONT)			1								
	5141426	* ADAPTOR ASSY.,8V53			1								1
	5103855	ADAPTOR, 4-53											
	5115214	PLUG, 1/2" PIPE (12.9550)			1								
	8923313	PLUG, 3/4"-14 PIPE (12.9550)			2								
	103175	STUD, 5/16"-18-24X1.50" (12.9117)			4								
	5150362	STUD, 3/8"-16X24X1 9/16" (12.9117)			4								
	5176182	STUD, 3/8"-16X1 13/16" OIL CLR. (4.4050)			8								
	5157933	DOWEL, 5/16"X7/8" (3.4140)			4								
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)			5								
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)			3								
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)			24								
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)			8								
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)		4								4	
	186622	BOLT, 3/8"—16X1 1/4" (12.9001)											4
	179847	BOLT, 3/8"-16X2" (12.9001)		2								2	2
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			2								
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			4								
	186291	BOLT, 3/8"-16X8 1/2" (12.9001)			2								
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)			1								
	451700	BOLT, 1/2"-13X8" (12.9001)			2								
	193031	BOLT, 1/2"-13X8 3/4" (12.9001)			1								
	186643	BOLT, 5/8"-18X2 1/16" (12.9001)			6								
	120393	WASHER, 5/16" (12.9190)			50								
	103341	WASHER, 3/8" (12.9190)			8								
	103343	WASHER, 1/2" (12.9190)			4								
	103320	LOCKWASHER, 5/16" (12.9200)			50								
	103321	LOCKWASHER, 3/8" (12.9200)		6	8							6	6
	103323	LOCKWASHER, 1/2" (12.9200)			4								
	114493	NUT, 5/16"-24 (2.7170)			36								
		# INCLUDES (8) 5176182 STUDS AND (2) 5142549 PLUGS IN 4.4110.											
		= INCLUDES (4) 103196 STUDS AND (2) 5157933 DOWELS IN 4.4110.											
		* INCLUDES (4) 103175 STUDS AND (2) 5157933 DOWELS IN 4.4110.											
		% NOT SERVICED, FOR SERVICE USE 5103855 AND 1-5103906 GASKET.											
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK											
4A,B	**5103906**	GASKET,3,4-53		1								1	
4A,B	**8923738**	GASKET,3,4-53		3								3	3
	5141894	GASKET,8V53			2								
	5141919	GASKET,8V53			1								1
4A,B	**5103906**	GASKET, 4-53											

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	610	616	625	633	634	636	653	675	706	757
		4.4140 - VALVE, OIL COOLER BY-PASS											
	5177777	VALVE,8V53			2								
		4.4150 - SPRING, OIL COOLER BY-PASS VALVE											
	5126436	SPRING,8V53 (4.1690)			2								
		4.4160 - CLIP, OIL COOLER BY-PASS VALVE											
	5113657	PLUG (4.1710)			2								
		4.4170 - GASKET, OIL COOLER BY-PASS VALVE PLUG											
	5177773	GASKET			2								
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION											
	5133721	RING, SEAL			2								
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET											
4D	**5147571**	HOSE ASSY., 6V53 (#6 X 100") (TEFLON) (4.1597)								1			
4D	**5147580**	HOSE ASSY., 6V53 (#8 X 33.5") (TEFLON) (4.4335)								1			
4D	**5123319**	HOSE ASSY.,6V53 (53 1/2"X13/32" I.D.)							1				
4D	**5123318**	HOSE ASSY.,6V53 (13/32"X47")					1						
4D	**5131492**	HOSE,6,8V53 13/32"X60"L. (12.4085)	1			1					1		
4D	**9432266**	CONNECTOR, 3/8" TUBE, 1/8" PT. (12.9460)								1			
4D	**118752**	CONNECTOR, 1/2" TUBE X 3/8" P.T. (12.9390)							1				
4D	**144606**	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)	1										
4D	**144603**	NIPPLE, 3/8"X3" PIPE (12.9560)				1					1		
4D	**120142**	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)				1					1		
4D	**118757**	ELBOW, 3/8"X1/2" PIPE (12.9390)							2				
4D	**144128**	ELBOW, 3/8"-90 DEG. PIPE (12.9660)	1					1	1				
4D	**111316**	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)	1				2						
4D	**137425**	ELBOW, 1/2" TUBE X 3/8" P.T. (INV. FLARED) (12.9480)								1			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	610	616	625	633	634	636	653	675	706	757
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET (CONT'D)											
4D	143340	ELBOW, 1/2" TUBE X 3/8" P.T. 45 DEG. (12.9480)								1			
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)					2		1				
	120393	WASHER, 5/16" (12.9190)							1				
	103320	LOCKWASHER, 5/16" (12.9200)							1				
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET											
4D	5147579	HOSE ASSY.,6V53 (8X26.5") (TEFLON) (4.4330)								1			
4D	5131492	HOSE ASSY.,6,8V53 (13/32"X60" L.) (12.4085)				1	1	1	1		1		
4D	5133611	HOSE ASSY.,8V53 (9.1587)	1					1					
4D	120142	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)					2						
4D	118757	ELBOW, 3/8"X1/2" PIPE (12.9390)							1				
4D	111316	ELBOW, 1/2" TUBE X 3/8" P.T. (12.9390)	1			1		2					
	118752	CONNECTOR, 1/2" TUBE X 3/8" P.T. (12.9390)	1								1		
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)							1				
4D	144606	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)						1	1				
4D	144603	NIPPLE, 3/8"X3" PIPE (12.9560)					2						
	444136	TEE, 3/8"X18" (12.9616)						1	1				
		4.4345 - CLIP, OIL COOLER LINES											
	5171509	CLIP,6V53 (5/8") (9.1591)				2	2		2				
	5151189	CLIP (3/4") (4.8040)	4					4			4		
	5144934	CLIP, HOSE #8 TEFLON (4.4330)								2			
	5173022	BRACKET (5.5379)	1					1		1			
	5181325	BRACKET (4.8042)									1		
	5114551	TAG, CABLE (7.4545)				2	2				1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)									1		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1					1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)							1				
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)							1				
	186274	BOLT, 5/16"-18X5" (12.9001)				1	1		1		1		
	186627	BOLT, 3/8"-24X1" (12.9001)	1					1		1			
	120393	WASHER, 5/16" (12.9190)							1		1		
	103320	LOCKWASHER, 5/16" (12.9200)									1		
	103321	LOCKWASHER, 3/8" (12.9200)	1					1		1			
	117049	NUT, 3/8"-24 (12.9120)	1					1		1			

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4.4000A OIL COOLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	610	616	625	633	634	636	653	675	706	757
	4.4345	**- CLIP, OIL COOLER LINES (CONT'D)**											
	120376	NUT, 5/16"-18 (12.9120)									1		

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 769	770	772	777	778	786	787	788	789	790	791	793	794
		4.4001 - CORE, OIL COOLER-ENGINE													
	NPN	CORE ASSY., 6V53 (18 PLATE)	1												
4B	8545373	CORE ASSY., 453 TURBO (12 PLATE)		1	1						1	1	1	1	1
4B	8528885	CORE ASSY., 6V53 (16 PLATE)						1				1		1	1
	8534719	CORE ASSY., 6V53 (8 PLATE)							1						
4B	8539953	CORE ASSY., 4-53 (8 PLATE)								2	1		1		
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)							8						
	103320	LOCKWASHER, 5/16" (12.9200)							8						
		4.4030 - GASKET, OIL COOLER CORE-INNER													
4A,B,C	5150155	GASKET	1	2	1			1		2	3	2	2	2	2
	5144703	GASKET (5.5050)							1						
		4.4040 - GASKET, OIL COOLER CORE-OUTER													
4A,B,C	5102506	GASKET	1	1	1			1		2	2	2	2	2	
4A,B,C	8923223	GASKET													2
		4.4050 - HOUSING, OIL COOLER-ENGINE													
	NPN	HOUSING, 6V53	1												
	5116490	HOUSING, 4-53		1											
	5103446	HOUSING, 4-53			1										
	5106671	HOUSING, 6V53						1							
4B	5116491	HOUSING, 4-53								1	1				
	5135914	HOUSING, 6V53										1		1	
	5130360	HOUSING, 4-53											1		
	5140391	HOUSING, 6V53													1
	8923313	PLUG, 3/4" PIPE (12.9550)	2		1			1				1			1
	5121182	PLUG, 1/4" PIPE (2.4015)	2												
4A,B,C	103647	DRAINCOCK, 1/4" (12.9510)		1	1			2		1	1	1	1	1	2
	186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)											2		
	186650	BOLT, 5/16"-18 X 4 3/4" (12.9001)											3		
	186274	BOLT, 5/16"-18 X 5" (12.9001)			8										
	215404	BOLT, 5/16"-18 X 5 3/4" (12.9001))	6					6				5		5	
4B	215386	BOLT, 5/16"-18 X 6" (.9001)													
	120393	WASHER, 5/16" (12.9190)	6					6							
4B	103320	LOCKWASHER, 5/16" (12.9200)			8							5	5	5	
		4.4051 - HOUSING, MARINE GEAR OIL COOLER													
	5121183	HOUSING, 3-53					1								
	5122566	HOUSING, 3-53				1									
	179819	BOLT, 5/16"—18X1 1/8" (12.9001)				1	1								
	186274	BOLT, 5/16"—18X5" (12.9001)				1	1								
	103320	LOCKWASHER, 5/16" (12.9200)				2	2								
		4.4055 - GASKET, OIL COOLER HOUSING													
4D	5116357	GASKET (1.1070)				1	1								

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 769	770	772	777	778	786	787	788	789	790	791	793	794
		4.4060 - COVER, OIL COOLER HOUSING													
	5102389	COVER AND ELEMENT ASSY. (INCLUDES GASKET)				1	1								
	5188862	+ COVER, 4-53								1					
4B	**5123214**	+ COVER, 6V53									1				
	5107975	COVER, 6V53										1	1	1	1
	5146505	COVER, 4-53		1											
	5129499	SPACER, 1 3/16" THR (4.4050)									1				
	5115214	PLUG, 1/4" PIPE (12.9550)		1											
	8923313	PLUG, 3/4" PIPE (12.9550)										2	2	2	2
	186618	BOLT, 5/16"—18X5/8" (12.9001)				8	8								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											4		
4B	**186624**	BOLT, 5/16"-18X1 1/4" (12.9001)										4		4	4
4B	**179826**	BOLT, 5/16"-18X2" (12.9001)										1	1	1	1
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)		8									3		
	215386	BOLT, 5/16"-18X6" (12.9001)													5
	214054	BOLT, 5/16"-18X6 1/4" (12.9001)										3			
	446597	BOLT, 5/16"—18X6 1/2" (12.9001)								8					
4B	**447188**	BOLT, 5/16"-18X6 3/4" (12.9001)												3	
	180737	BOLT, 5/16"-18X7" (12.9001)													3
	216857	BOLT, 5/16"-18X8" (12.9001)									6				
	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)									2				
4B	**120393**	WASHER, 5/16" (12.9190)											8	8	8
4B	**103320**	LOCKWASHER, 5/16" (12.9200)				8	8	8		8	8	8	8	8	10
		+ NOT SERVICED, FOR SERVICE USE 5107975 AND 2-5142549 PLUGS.													
		4.4061 - GASKET, OIL COOLER HOUSING COVER													
	5120896	GASKET				1	1								
		4.4110 - ADAPTOR, OIL COOLER													
4A	**5103907**	ADAPTOR, 4-53		1	1								1		
	5103855	ADAPTOR, 4-53								1	1				
4A,B	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4					4	4		4		
4A,B	**179847**	BOLT, 3/8"-16X2" (12.9001)		2	2					2	2		2		
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)		6	8			6		6	6		6		
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK													
4A,B	**8923738**	GASKET		3	3					3	3		3		
4A,B	**5103906**	GASKET, 4-53		1	1					1	1		1		
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET													
4D	**5131492**	HOSE, 6V53, 13/32"X60" L. (12.4085)							1						
4D	**8924220**	ELBOW 1/2" TUBE (90 DEG.) (3.5505)							1						
4D	**8924150**	ELBOW, 3/8"X1/2" PIPE (12.9390)							1						

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 769	770	772	777	778	786	787	788	789	790	791	793	794
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET													
4D	**5133611**	HOSE ASSY., 6V53 (9.1587)							1						
4D	**2325715**	ELBOW, 1/2" TUBE (90 DEG.) (3.5505)							1						
4D	**118757**	ELBOW, 3/8" X 1/2" PIPE (12.9390)							1						
	121207	NIPPLE, 3/8" X 1" PIPE (12.9560)							1						
	444122	TEE, 3/8"-18 PIPE (12.9616)							1						
		4.4345 - CLIP, OIL COOLER LINES													
	2362448	CLIP, 1/2" NEOPRENE (12.8554)							2						
	5187818	BRACKET (9.3541)							1						
	5101020	STRAP, NYLON TIE (2.5255)							3						
	179839	BOLT, 3/8"-16 X 1" (12.9001)							1						
	103321	LOCKWASHER, 3/8" (12.9200)							1						
	102635	NUT, 3/8"-16 (12.9120)							1						

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 796	797	798	799	800	801	802	803	804	805	806	807	812
		4.4001 - CORE, OIL COOLER-ENGINE													
4B	8539953	CORE ASSY., 3, 4-53 (8 PLATE)	1	2			1			2	2		2		
4B	8545373	CORE ASSY., 3, 4, 8V53 (12 PLATE)	1				1					1			1
4B	8501328	CORE ASSY., 3-53 (6 PLATE)			2			2	2						
4B	8528885	CORE ASSY., 6V53 (16 PLATE)				2						1			
4B	8502833	CORE ASSY., 6V53 (12 PLATE)												1	
4B	8532253	CORE ASSY., 6V53 (16 PLATE)												1	
		4.4030 - GASKET, OIL COOLER CORE-INNER													
4A,B,C	5150155	GASKET	3	2	2	2	3	2	2	2	2	2	2	2	1
		4.4040 - GASKET, OIL COOLER CORE-OUTER													
4A,B,C	5102506	GASKET	2	2	2	2	2	2	2	2	2	2	2	2	
4B	8923223	GASKET													1
		4.4050 - HOUSING, OIL COOLER-ENGINE													
4B	5116491	HOUSING, 3, 4-53	1	1			1			1			1		
	5116489	HOUSING, 3-53			1			1							
	5133427	HOUSING, 6V53				1									
	5116490	HOUSING, 3-53							1						
	5116492	HOUSING, 3, 4-53									1				
	5135914	HOUSING, 6V-53										1		1	
	5103446	HOUSING, 6V-53													1
4A,B,C	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1	1	1	1	1	1	1	1	
	8924140	DRAINCOCK, 1/4" (12.9510)													1
	8923313	PLUG, 3/4" SQ. SOCK. (12.9550)													1
B	215386	BOLT, 5/16"-18 X 6" (12.9001)				5						5		5	
	186274	BOLT, 5/16"-18X5" (12.9001)													8
4B	120393	WASHER, 5/16" (12.9100)				5									
4B	103320	LOCKWASHER, 5/16" (12.9200)				5						5		5	8
		4.4060 - COVER, OIL COOLER HOUSING													
	5107975	COVER, 4-53	1	1	1	1	1	1	1	1	1	1	1	1	
	5129499	SPACER, 1 3/16" THK. (4.4050)	1				1								
	8923313	PLUG, 3/4" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2	3	
	5102982	PLUG, 3/4" PIPE (12.9550)				2									
	8924164	NIPPLE, 3/4" X 1 3/8" PIPE (12.9560)				1									
	187398	COUPLING, 3/4" PIPE (12.9580)				1									
	5133960	STUD, 5/16"-18-24 X 9.60" (12.9117)				3									
4B	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)				4						4		4	
4B	179823	BOLT, 5/16"-18 X 1 5/8" (12.9001)				1									
4B	179826	BOLT, 5/16"-18 X 2" (12.9001)										1		1	
4B	272545	BOLT, 5/16"-18 X 5 1/4" (12.9001)			7										
4B	455971	BOLT, 5/16"-18 X 5 1/2" (12.9001)						7	7						
4B	215386	BOLT, 5/16"-18 X 6 (12.9001)			1										
4B	214054	BOLT, 5/16"-18 X 6 1/4" (12.9001)						1	1						
4B	446597	BOLT, 5/16"-18 X 6 1/2" (12.9001)		7						7	7		7		
4B	447188	BOLT, 5/16"-18 X 6 3/4" (12.9001)										3		3	
4B	180737	BOLT, 5/16"-18 X 7" (12.9001)		1											

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 796	797	798	799	800	801	802	803	804	805	806	807	812
		4.4060 - COVER, OIL COOLER HOUSING (CONT'D)													
4B	9437758	BOLT, 5/16"-18X7 1/4" (12.9001)								1	1		1		
4B	274682	BOLT, 5/16"-18X7 3/4" (12.9001)					7								
4B	216857	BOLT, 5/16"-18X8" (12.9001)	7												
4B	9428440	BOLT, 5/16"-18X8 1/2" (12.9001)	1				1								
4B	120393	WASHER, 5/16" (12.9190)	8	8	8	8		8	8	8	8	8	8	8	
4B	103320	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	8	8	8	8	8	8	8	
	114493	LOCKNUT, 5/16"-24 (2.7170)				3									
		4.4110 - ADAPTOR, OIL COOLER													
	5103855	ADAPTOR, 4-53	1	1	1		1	1		1			1		1
4B	5123413	+ ADAPTOR, 3-53							1		1				
4B	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4	4	4		4	4	4	4	4		4		
4B	8921932	BOLT, 3/8"-16X1 1/4" (12.9001)													4
4B	179847	BOLT, 3/8"-16X2" (12.9001)	2	2	2		2	2	2	2	2		2		2
	5145225	WASHER, .39" COPPER (2.7001)													4
4B	5138619	WASHER, 25/64" (4.1512)													4
4B	103321	LOCKWASHER, 3/8" (12.9200)	6	6	6		6	6	6	6	6		6		
		+ NOT SERVICED, FOR SERVICE USE 5103907 AND 1-5103906 GASKET.													
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK													
4A,B	8923738	GASKET, 6V53	3	3	3		3	3	3	3	3		3		3
4A,B	5103906	GASKET, 4-53	1	1	1		1	1	1	1	1		1		1
		4.4211 - CONNECTION, OIL COOLER WATER INLET													
	5108605	ELBOW (5.3420)				1									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2									
	103341	WASHER, 3/8" (12.9190)				2									
	103321	LOCKWASHER, 3/8" (12.9200)				2									
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION													
	5120540	GASKET (4.5007)				1									

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 814	815	820	824	832	838	841	843	844	845	847	848
		4.4001 - CORE, OIL COOLER-ENGINE												
4B,C	**8528885**	CORE ASSY., 6V53 (16 PLATE)	2	2	1	1			1					
4B	**8539953**	CORE ASSY., 4-53 (8 PLATE)					1			2	2			
4B	**8544803**	CORE ASSY., 6V53 (18 PLATE)						2						
4B	**8545373**	CORE ASSY., 6V53 (12 PLATE)							1					
4A	**8501328**	CORE ASSY., 4-53 (6 PLATE)											1	1
		4.4030 - GASKET, OIL COOLER CORE-INNER												
4A,B,C	**5150155**	GASKET	2	2	1	2	1		2	2	2		1	1
4B	**5104881**	GASKET						2						
		4.4040 - GASKET, OIL COOLER CORE-OUTER												
4A,B,C	**5102506**	GASKET	1	2	1	1	1		2	2	2	1	1	1
4B	**5107889**	GASKET						1						
4B	**5104868**	GASKET						1						
		4.4050 - HOUSING, OIL COOLER-ENGINE												
	5133427	HOUSING, 6V53	1	1										
4C	**5101032**	HOUSING, 6V53			1									
	5116492	HOUSING, 4-53				1								
	5119454	HOUSING, 4-53					1							
	5104801	HOUSING, 6V53						1						
	5140391	HOUSING, 6V53							1					
4B	**5116491**	HOUSING, 4-53								1	1			
4A	**5119451**	HOUSING, 3-53											1	
	5119452	HOUSING, 3-53												1
A,B,C	**103647**	DRAINCOCK, 1/4" (12.9510)	1	1		1	1			1	1			
	8923313	PLUG, 3/4" PIPE (12.9550)				2			1					
	5121182	PLUG, 1/4" PIPE (2.4015)			2								1	1
4B	**179829**	BOLT, 5/16"-18 X 2 3/4" (12.9001)						2						

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8141	8145	8200	8224	8332	8338	8441	8443	8444	8445	8447	8448
		4.4050 - HOUSING, OIL COOLER-ENGINE (CONT'D)												
4A	**179830**	BOLT, 5/16"-18X3" (12.9001)											7	7
4A	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)					8						1	1
4C	**215404**	BOLT, 5/16"-18X5 3/4" (12.9001)			6									
4B	**215386**	BOLT, 5/16"-18X6" (12.9001)	5	5					5					
4B	**446597**	BOLT, 5/16"-18X6 1/2" (12.9001)						2						
4B	**9437758**	BOLT, 5/16"-18X7 1/4" (12.9001)						4			1			
4B	**120393**	WASHER, 5/16" (12.9001)	5	5				8	5					
4A,B,C	**103320**	LOCKWASHER, 5/16" (12.9200)	5	5	6		8	8					8	8
		4.4060 - COVER, OIL COOLER HOUSING												
	5186603	COVER, 6V53	1											
4B	**5123214**	% COVER, 6V53		1					1					
	5146505	COVER, 4-53				1								
	5107888	COVER, 6V53						1						
	5176362	% COVER, 4-53								1				
	5107975	COVER, 4-53									1	1		
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)										2		
	8924169	CONNECTOR, 1/2" TUBE 3/8" PT. INV. (12.9460)										2		
	187398	COUPLING, 3/4"X1 5/8" PIPE (12.9580)	1	1										
	8924216	ELBOW, 3/8" INV. FLARED TUBE (12.9480)										1		
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)	1	1										
	5115214	PLUG, 1/2" PIPE (12.9550)				2								
	8923313	PLUG, 3/4" PIPE (12.9550)									2	2		
	5111798	PLUG, 1" PIPE (12.9550)						4						
	5106532	STUD, 5/16"-18-24X9.97"		3										
	5107891	STUD, 5/16"-18-24X12.08"						1						
	5107890	STUD, 5/16"-18-24X12 3/4"						3						
4B	**179822**	BOLT, 5/16"-18X1 1/2" (12.9001)	5	5					4					
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)										7		
4B	**186648**	BOLT, 5/16"-18X1 7/8" (12.9001)							1					
	179826	BOLT, 5/16"-18X2" (12.9001)										1		
4B	**179829**	BOLT, 5/16"-18X2 3/4" (12.9001)						4						
4B	**446597**	BOLT, 5/16"-18X6 1/2" (12.9001)				8				8	8			
4B	**180737**	BOLT, 5/16"-18X7" (12.9001)							2					
4B	**5105257**	BOLT, 5/16"-18X7 3/8" (12.9001)							1					
4B	**120393**	WASHER, 5/16" (12.9190)	8	8				8						
4B	**103320**	LOCKWASHER, 5/16" (12.9200)	8	8		8		8	8	8	8	8		
	114493	LOCKNUT, 5/16"-24 (2.7170)	3	3				4						
		% NOT SERVICED. FOR SERVICED USE 5107975 AND 2-5142549 PLUGS.												
		4.4110 - ADAPTOR, OIL COOLER												
	5103855	ADAPTOR, 4-53					1			1	1			1
	8925675	ADAPTOR ASSY., 6V53 (INCLUDES HELI-COILS IN 4.4110)						1						
4A	**5103907**	ADAPTOR, 4-53				1							1	
	452692	HEL-COIL, 3/8"-16X9/16" (12.9118)						2						
4B	**186629**	BOLT, 5/16"-18X1" (12.9001)						1						
4B	**179839**	BOLT, 3/8"-16X1" (12.9001)						2						
4A,B	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)				4	4			4	4		4	4
4A,B	**179847**	BOLT, 3/8"-16X2" (12.9001)				2	2			2	2		2	2
4B	**120393**	WASHER, 5/16" (12.9190)						1						
4B	**103341**	WASHER, 3/8" (12.9190)						2						
4B	**103320**	LOCKWASHER, 5/16" (12.9200)						1						
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)				6	6	2		6	6		6	6

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 814	815	820	824	832	838	841	843	844	845	847	848
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK												
4A,B	**8923738**	GASKET				3	3			3	3		3	3
4A,B	**5103906**	GASKET				1	1			1	1		1	1
	5104846	GASKET						1						
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
	5108605	ELBOW (5.3420)	1	1										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2										
	103341	WASHER, 3/8" (12.9190)	2	2										
	103321	LOCKWASHER, 3/8" (12.9200)	2	2										
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
	5120540	GASKET (4.5007)	1	1										
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET												
4D	**5147571**	HOSE ASSY., #6X100" (TEFLON) (4.1597)										1		
4D	**5147580**	HOSE ASSY., #8X33.5" (TEFLON) (4.4335)										1		
4D	**9432266**	CONNECTOR, 3/8" TUBE, 1/8" P.T. (12.9460)										1		
4D	**137425**	ELBOW, 1/2" TUBE X 3/8" P.T., INV. FLARED (12.9480)										1		
D	**8924162**	ELBOW, 1/2" TUBE X 3/8" P.T., 45 DEG. (12.9480)										1		
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET												
4D	**5147579**	HOSE ASSY., #8X26.5" (TEFLON) (4.4330)										1		
		4.4345 - CLIP, OIL COOLER LINES												
	5144934	CLIP, HOSE #8 TEFLON (4.4330)										2		
	5173022	BRACKET (5.5379)										1		
	186627	BOLT, 3/8"-24X1" (12.9001)										1		
	103321	LOCKWASHER, 3/8" (12.9200)										1		
	117049	NUT, 3/8"-24 (12.9120)										1		

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 849	850	851	852	853	854	864	866	869	875	923	961	962
		4.4001 - CORE ASSY., OIL COOLER													
4B	**8539953**	CORE ASSY., 4-53 (8 PLATE)	1			1						1	1	1	
4B,C	**8545373**	CORE ASSY., 4-53 (12 PLATE)		1	1		1	1			1		1	1	
4B	**8528885**	CORE ASSY., 6V53 (16 PLATE)						1		2	1				1
4B	**8541903**	CORE ASSY., 6V53 (18 PLATE)													
		4.4030 - GASKET, OIL COOLER CORE-INNER													
4A,B,C	**5150155**	GASKET	1	1	1	1	1	2	1	2	2	1	3	3	1
		4.4040 - GASKET, OIL COOLER CORE-OUTER													
4A,B,C	**5102506**	GASKET	1	1	1	1	1	2			2	1	2		
4A,B,C	**8923223**	GASKET							1	2				2	1
		4.4050 - HOUSING, OIL COOLER-ENGINE													
4A	**5119453**	HOUSING, 4-53	1									1			
	5137989	HOUSING, 4-53		1											
	5135915	HOUSING, 6V53			1										
	5119454	HOUSING, 4-53				1									
4C	**5137790**	HOUSING, 6V53					1								
	5140391	HOUSING, 6V53						1							
	8920668	HOUSING, 6V53								1					
	5135914	HOUSING, 6V53									1				
	5116492	HOUSING, 3-53											1	1	
	5101032	HOUSING, 6V-53													1
	8924140	DRAINCOCK, 1/4" (12.9510)								2	1	1	1	1	
	5121182	PLUG, 1/4" PIPE (2.4015)	1	2	2	1	2	2							2
	8923313	PLUG, 3/4" PIPE (12.9550)			1		1	1		1	2		2	2	2
4B	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)	8			8						8			
4B,C	**186650**	BOLT, 5/16"-18X4 3/4" (12.9001)		6	8		8								6
4B,C	**215404**	BOLT, 5/16"-18X5 3/4" (12.9001)						5			5				
4B,C	**215386**	BOLT, 5/16"-18X6" (12.9001)								5					
	180737	BOLT, 5/16"-18X7" (12.9001)											8		
	120393	WASHER, 5/16" (12.9190)													
4B,C	**103320**	LOCKWASHER, 5/16" (12.9200)	8	8	8	8	8	5		5	5	8	8		6
		4.4060 - COVER, OIL COOLER HOUSING													
4B	**5123214**	% COVER, 6V53						1	1		1				
	5107975	COVER, 3, 6V53								1			1	1	
	8923313	PLUG, 3/4" PIPE (12.9550)								2					
	5129499	SPACER, 1 3/16" THK. (4.4050)											1	1	
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)							2						
	8924148	CONNECTOR, 1/2" TUBE (12.9380)							2						
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)								4					
4B	**106327**	BOLT, 5/16"-18X1 3/8" (12.9001)							7						
4B	**179822**	BOLT, 5/16"-18X1 1/2" (12.9001)						3			4				
4B	**180737**	BOLT, 5/16"-18X7" (12.9001)						3			2				
4B	**179826**	BOLT, 5/16"-18X2" (12.9001)							1	1					
4B	**180739**	BOLT, 5/16"-18X7 1/2" (12.9001)									1				
4B	**274682**	BOLT, 5/16"-18X7 3/4" (12.9001)											7	7	
	216857	BOLT, 5/16"-18X8" (12.9001)								3					
4B	**9428440**	BOLT, 5/16"-18X8 1/2" (12.9001)											1	1	
4B	**120393**	WASHER, 5/16" (12.9190)							8	8				8	
4B	**103320**	LOCKWASHER, 5/16" (12.9200)						8	8	8	8			8	

% NOT SERVICED. FOR SERVICED USE 5107975 AND 2-5142549 PLUGS.

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 849	850	851	852	853	854	864	866	869	875	923	961	962
		4.4110 - ADAPTOR, OIL COOLER													
4A	**5103907**	ADAPTOR, 4-53	1									1	1	1	
	5103855	ADAPTOR, 4-53				1									
4A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)	4			4						4	4		
4A	**8921932**	BOLT, 3/8"-16X1 1/4" W/PATCH (12.9001)												4	
4A	**179847**	BOLT, 3/8"-16X2" (12.9001)	2			2						2	2	2	
4A	**5138619**	WASHER, 25/64"X3/4"X.083"												4	
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	6			6						6	6	2	
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK													
4A,B	**5103906**	GASKET	1			1						1	1	1	
4A,B	**8923738**	GASKET	3			3						3	3	3	
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET													
4D	**5123321**	HOSE ASSY., 13/32"X31"							1						
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET													
4D	**5137685**	HOSE ASSY., 13/32"X33" (COOLER TO SELECTOR VALVE)							1						
4D	**5132618**	HOSE ASSY., 13/32"X26 1/2" (COOLER TO REV. VALVE)							1						
4D	**120142**	ELBOW, 90 DEG. 1/2" PIPE (12.9390)							1						
4D	**8924150**	ELBOW, 90 DEG. FL. 1/2" TUBE (BRASS) (12.9390)							1						
		4.4345 - CLIP, OIL COOLER LINES													
	5144629	BRACKET, CLIP (4.6040)							1						
	2476234	CLIP, HOSE (2.5070)							2						
	186627	BOLT, 3/8"-24X1" (12.9001)							1						
	103321	LOCKWASHER, 3/8" (12.9200)							1						
	117049	NUT, 3/8"-24 (12.9120)							1						

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 965	966	967	968	969	977	994	1000	1018	1023	1027	1031
		4.4001 - CORE ASSY., OIL COOLER												
4D	**5102389**	CORE ASSY., 4-53 (8 PLATE)	1											1
	8547273	CORE ASSY., 6V53 (8 PLATE)			1									
4B	**8545373**	CORE ASSY., 6V53 (12 PLATE)				1			1					
4B	**8547550**	CORE ASSY., 6V53 (6 PLATE)				1								
4C	**8541903**	CORE ASSY., 6V53 (18 PLATE) (ENGINE)					1				1	1	1	
4B	**8501328**	CORE ASSY., 3-53 (6 PLATE)						2						
4B	**8544803**	CORE ASSY., 6V53 (18 PLATE)								1				
	8529879	CORE ASSY., 6V53 (10 PLATE) (DIFF.)									1			
	8529880	CORE ASSY., 6V53 (14 PLATE) (TORQUE CONVERTER)									1			
	8528885	CORE ASSY., 6V53 (16 PLATE) (TORQUE CONVERTER)										1	1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)			8						4			
	5133539	WASHER												
	103320	LOCKWASHER, 5/16" (12.9200)			8						4			
	5133538	NUT, 1 3/8"-16												
		4.4030 - GASKET, OIL COOLER CORE INNER												
4D	**5120896**	GASKET (4.4040)	1											1
	5144703	GASKET (5.5050)			1									
4B,C	**5150155**	GASKET				2	1	2	1		1	2	2	
4B	**5104881**	GASKET								1				
		4.4040 - GASKET, OIL COOLER CORE OUTER												
4B	**5102506**	GASKET		1		2								
4C	**8923223**	GASKET					1	2	1		1	2	2	
	5104868	GASKET								1				
	5133537	GASKET									1			
	5133619	GASKET									4			
		4.4050 - HOUSING, OIL COOLER												
4D	**5122566**	HOUSING, 4-53	1											
4B	**5135516**	HOUSING, 6V53				1								
4C	**5106671**	HOUSING, 6V53					1							
	5116490	HOUSING, 3-53						1						
4C	**8923508**	+ HOUSING, 6V53							1					
	5106249	HOUSING, 6V53								1				
	5133532	HOUSING, 6V53									1			
	8920668	HOUSING, 6V53										1		
	5133427	HOUSING, 6V53											1	
	5121183	HOUSING, 4-53												1
	5142549	PLUG, 3/4" PIPE (12.9550)				2	1		1					
	8923313	PLUG, 3/4" PIPE (12.9550)										1		
	8924140	DRAINCOCK, 1/4" (12.9510)				2	2	1			1	2	1	
4D	**186618**	BOLT, 5/16"-18X5/8" (12.9001)	8											8
4D	**179819**	BOLT, 5/16"-18X1 1/8" (12.9001)	1											1
4B	**186650**	BOLT, 5/16"-18X4 3/4" (12.9001)				8			8					
4D	**186274**	BOLT, 5/16"-18X5" (12.9001)	1											1
4C	**215404**	BOLT, 5/16"-18X5 3/4" (12.9001)					6							
	215386	BOLT, 5/16"-18X6" (12.9001)									5		5	
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)								3				
	180737	BOLT, 5/16"-18X7" (12.9001)										5		
4D	**9437758**	BOLT, 5/16"-18X7 1/4" (12.9001)								7				
	120393	WASHER, 5/16" (12.9120)								10	5		5	
4D	**103320**	LOCKWASHER, 5/16" (12.9200)	10			8	6		8	10	5	5	5	10

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 965	966	967	968	969	977	994	1000	1018	1023	1027	1031
		4.4055 - GASKET, OIL COOLER HOUSING (TO BLOCK)												
4D	**5116357**	GASKET (1.1070)	1											1
		4.4060 - COVER, OIL COOLER HOUSING												
	5107975	COVER				1						1	1	
	5186603	COVER, 3-53						1						
	5133536	COVER, 6V53									1			
	5115214	PLUG, 1/2" PIPE (12.9550)										1		
	8923313	PLUG, 3/4"-14 PIPE (12.9550)										2	2	
	5102982	PLUG, 3/4" PIPE (12.9550)											2	
	5133960	STUD, 5/16"-18-24X9.60" (12.9117)											3	
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)											1	
	187398	COUPLING, 3/4"X1 5/8" PIPE (12.9580)											1	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				7					17			
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)										4	4	
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)											1	
	179826	BOLT, 5/16"-18X2" (12.9001)				1						1		
	455971	BOLT, 5/16"-18X5 1/2" (12.9001)						8						
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)									3			
	216857	BOLT, 5/16"-18X8" (12.9001)										3		
	120393	WASHER, 5/16" (12.9190)				8		8			20	8	8	
	103320	LOCKWASHER, 5/16" (12.9200)				8		8			20	8	8	
	114493	NUT, 5/16"-24 (2.7170)											3	
		4.4110 - ADAPTOR, OIL COOLER												
4A	**5103907**	ADAPTOR, 3-53						1						
4A	**8925675**	ADAPTOR ASSY., 6V53 (INCLUDES HEL-COILS IN 4.4110)								1				
	452692	HEL-COIL, 3/8"-16X9/16" (12.9118)								2				
4A	**8921932**	BOLT, 3/8"-16X1 1/4" (12.9001)						4						
4A	**186629**	BOLT, 5/16"-18X1" (12.9001)								1				
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)								2				
4A	**179847**	BOLT, 3/8"-16X2" (12.9001)						2						
	120393	WASHER, 5/16" (12.9120)								1				
	103341	WASHER, 3/8" (12.9120)								2				
4A	**5138619**	WASHER, 25/64"X3/4"X.083"						4						
	103320	LOCKWASHER, 5/16" (12.9200)								1				
4A	**103321**	LOCKWASHER, 3/8" (12.9200)						2		2				

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 965	966	967	968	969	977	994	1000	1018	1023	1027	1031
		4.4115 - GASKET, OIL COOLER ADAPTOR												
4A	5103906	GASKET, 3-53						1						
4A	8923738	GASKET, 3-53						3						
	5104846	GASKET, 6V53								1				
		4.4211 - CONNECTION, OIL COOLER WATER INLET												
	5108605	ELBOW (5.3420)											1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											2	
	103341	WASHER, 3/8" (12.9190)											2	
	103321	LOCKWASHER, 3/8" (12.9200)											2	
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION												
	5120540	GASKET								1				1
		4.4213 - HOSE, OIL COOLER WATER INLET												
	5199777	* HOSE, 1 7/8"X1 1/2" (5.3422)	1											1
4A	5104846	GASKET, 6V53								1				
		* STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.4214 - CLAMP, OIL COOLER WATER INLET												
4D	8920537	CLAMP, 1 9/16"-2 1/2" DIA. (12.9660)	2											2
		4.4330 - HOSE, MARINE GEAR OR TRANSMISSION OIL OUTLET												
4D	5123320	HOSE ASSY., 13/32"X38" L.	1	2										
	5123317	HOSE ASSY. 13/32"X44" L.	1											
4D	8923736	HOSE ASSY., #8X60" L.			1									
	8924158	BUSHING, 1/2"X3/8" RD. (12.9570)		2										
4D	144128	ELBOW, 3/8" PIPE, 90 DEG. (12.9600)		1										
4D	8924150	ELBOW, 3/8"X1/2" PIPE (12.9390)		3	1									
	8924201	ELBOW, 1/2" TUBE, 45 DEG.	1											
	120142	ELBOW, 1/2" TUBE, 90 DEG.	1											
4D	8924220	ELBOW, 1/2" TUBE, 90 DEG. (3.5505)			1									
4D	8924177	TEE, 3/8"-18 (12.9616)		1										
	144606	NIPPLE, 3/8"X1 1/2" (12.9560)	1											
	144603	NIPPLE, 3/8"X3"	1											
	179816	BOLT, 5/16"-18X3/4" (12.9001)		8										
	103320	LOCKWASHER, 5/16" (12.9200)		8										
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET												
4D	8923737	HOSE ASSY., #8X66" L. (9.1587)			1									
	8926603	HOSE ASSY., #8X56.24" L.												1
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)		1										
4D	8924150	ELBOW, 3/8"X1/2" PIPE (12.9390)		1	1									
	8924201	ELBOW, 1/2" TUBE, 45 DEG. (12.4090)												1
4D	8924220	ELBOW, 1/2" TUBE, 90 DEG. (3.5505)			1									
	120142	ELBOW, 1/2" TUBE, 90 DEG. (12.9390)												1
	444122	TEE, 3/8"-18 PIPE (12.9616)			1									
	144606	NIPPLE, 3/8"X1 1/2" (12.9560)		1										1
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)			1									

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 965	966	967	968	969	977	994	1000	1018	1023	1027	1031
		4.4343 - HOSE, MARINE GEAR OIL COOLER TO SELECTOR VALVE												
	8926602	HOSE ASSY., #8X42.24" L.												1
	8924201	ELBOW, 1/2" TUBE, 45 DEG. (12.4090)												1
	120142	ELBOW, 1/2" TUBE, 90 DEG. (12.9390)												1
	144603	NIPPLE, 3/8"X3" PIPE (12.9560)												1
		4.4345 - CLIP, OIL COOLER LINES												
	2476233	CLIP, 3/4"			2									
	5171509	CLIP, 5/8"	8											
	5145429	CLIP, 7/8" (7.8320)												4
	5173022	BRACKET (5.5379)	2											
	5187818	BRACKET (9.3541)			1									
	5101020	STRAP, NYLON TIE (2.5255)			3									
	186627	BOLT, 3/8"-24X1" (12.9001)	1											
	179839	BOLT, 3/8"-16X1" (12.9001)			1									
	103321	LOCKWASHER, 3/8" (12.9200)	1		1									
	117049	NUT, 3/8"-24 (12.9120)	1											
	102635	NUT, 3/8"-16 (12.9120)			1									

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1032	1033	1036	1037	1075
		4.4001 - CORE ASSY., OIL COOLER					
4B	**8541903**	CORE ASSY., 6V53 (18 PLATE) (ENGINE)	1				
4B	**8528885**	CORE ASSY., 6V53 (16 PLATE) (TORQUE CONVERTER)	1				
4D	**5102389**	CORE ASSY., 4-53 (8 PLATE)		1			
4A,B	**8547581**	CORE ASSY., 3-53 (13 PLATE) (ENGINE)			1		1
	8544803	CORE ASSY., 6V53 (18 PLATE)				2	
4B	**8547563**	CORE ASSY., 3-53 (8 PLATE) (TORQUE CONVERTER)					1
4D	**186618**	BOLT, 5/16"-18X5/8" (12.9001)		8			
4D	**103320**	LOCKWASHER, 5/16" (12.9200)		8			
		4.4030 - GASKET, OIL COOLER CORE-INNER					
4A,B	**5150155**	GASKET	2		1		3
	5120896	GASKET (4.4040)	1				
	5104868	GASKET				1	
	5104881	GASKET				1	
		4.4040 - GASKET, OIL COOLER CORE-OUTER					
4A,B	**8923223**	GASKET	2		1		2
	5107889	GASKET				1	
		4.4050 - HOUSING, OIL COOLER-ENGINE					
4B	**5133427**	HOUSING, 6V53	1				
4D	**5122566**	HOUSING, 4-53		1			
4A	**8926728**	HOUSING, 3-53			1		
	5104801	HOUSING, 6V53				1	
4B	**5116491**	HOUSING, 3-53					1
4A,B	**8924140**	DRAINCOCK, 1/4" (12.9510)	1		1		1
	5129499	SPACER, OIL COOLER HOUSING					1
4D	**179819**	BOLT, 5/16"-18X1 1/8" (12.9001)		1			
4A	**179829**	BOLT, 5/16"-18X2 3/4" (12.9001)				6	
	186274	BOLT, 5/16"-18X5" (12.9001)		1	8		
4B	**215386**	BOLT, 5/16"-18X6" (12.9001)	5				
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)				2	
	9437758	BOLT, 5/16"-18X7.25" (12.9001)				4	
	120393	WASHER, 5/16" (12.9190)	5			12	
4A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	5	2	8	12	
		4.4055 - GASKET, OIL COOLER HOUSING (TO BLOCK)					
4D	**5116357**	GASKET (1.1070)		1			

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4.4000A OIL COOLER AND MARINE GEAR LINES

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1032	1033	1036	1037	1075
		4.4060 - COVER, OIL COOLER HOUSING					
4B	**5186603**	COVER	1				
	5107930	COVER				1	
4B	**5107975**	COVER					1
	8924164	NIPPLE, 3/4"X1 3/8" PIPE (12.9560)	1				
	187398	COUPLING, 3/4"X1 5/8" PIPE (12.9580)	1				
	8923313	PLUG, 3/4" PIPE (12.9550)					2
	5111798	PLUG, 1" PIPE (12.9550)				4	
	5133960	STUD, 5/16"-18-24X9.60" (12.9117)	3				
	5107891	STUD, 5/16"-18-24X12.08"				1	
	5107890	STUD, 5/16"-18-24X12.75"				3	
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)	5				
4B	**274682**	BOLT, 5/16"-18X7 3/4" (12.9001)					7
4B	**9428440**	BOLT, 5/16"-18X8 1/2" (12.9001)					1
	120393	WASHER, 5/16" (12.9190)	8			4	8
4B	**103320**	LOCKWASHER, 5/16" (12.9200)	8			4	8
	114493	NUT, 5/16"-24 (2.7170)	3			4	
		4.4110 - ADAPTOR, OIL COOLER					
4B	**5103855**	ADAPTOR			1		1
	8925675	ADAPTOR ASSY. (INCLUDES HELICOILS IN 4.4110)				1	
	452692	HELICOIL, 3/8"-16X9/16" (12.9118)				2	
	186629	BOLT, 5/16"-18X1" (12.9001)				1	
	179839	BOLT, 3/8"-16X1" (12.9001)				2	
	8921932	BOLT, 3/8"-16X1.25" W/SEAL PATCH (12.9001)			4		4
	179847	BOLT, 3/8"-16X2" (12.9001)			2		2
	120393	WASHER, 5/16" (12.9190)				1	
	103341	WASHER, 3/8" (12.9190)				2	
	5138619	WASHER, 25/64"X3/4"X.083"			6		4
	103320	LOCKWASHER, 5/16" (12.9200)				1	
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2
		4.4115 - GASKET, OIL COOLER ADAPTOR TO BLOCK					
4B	**5103906**	GASKET			1		1
4B	**8923738**	GASKET			3		3
	5104846	GASKET				1	
		4.4211 - CONNECTION, OIL COOLER WATER INLET					
	5108605	ELBOW (5.3420)	1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2				
	103341	WASHER, 3/8" (12.9190)	2				
	103321	LOCKWASHER, 3/8" (12.9200)	2				

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4.4000A OIL COOLER AND MARINE GEAR LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10326	10333	10336	10337	10375
		4.4212 - GASKET, OIL COOLER WATER INLET CONNECTION					
	5120540	GASKET		1			
		4.4213 - HOSE, OIL COOLER WATER INLET					
	5199777	* HOSE, 1 7/8"X1 1/2" (5.3422) * STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.		1			
		4.4214 - CLAMP, OIL COOLER WATER INLET					
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. (12.9660)		2			
		4.4335 - HOSE, MARINE GEAR OR TRANSMISSION OIL INLET					
4D	**8926604**	HOSE ASSY., #8X40.74" L.		1			
4D	**120142**	ELBOW, 1/2" TUBE, 90 DEG. (12.9390)		1			
4D	**8924148**	CONNECTOR, 1/2" TUBE, 45 DEG. (12.9380)		1			
4D	**144606**	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)		1			
		4.4343 - HOSE, MARINE GEAR OIL COOLER TO SELECTOR VALVE					
	8926602	HOSE ASSY., #8X42.24" L.		1			
	8924201	ELBOW, 1/2" TUBE, 45 DEG. (12.4090)		1			
	120142	ELBOW, 1/2" TUBE, 90 DEG. (12.9390)		1			
	144603	NIPPLE, 3/8"X3" PIPE (12.9560)		1			
		4.4345 - CLIP, OIL COOLER LINES					
	5145429	CLIP, 7/8"		4			

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4.5000A OIL, FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7	18	44	45	50	51	53	54	55	60	64	70	74	77
		4.5001 - TUBE, OIL FILLER														
	5154542	TUBE,2,3,4-53	1													
8B	5121051	TUBE,2,3,4-53			1							1				
	5126588	# TUBE ASSY.,2,3,4-53							1							
	5132537	TUBE ASSY.,4-53												1		
	5123362	ELBOW (TO FLYWHEEL HOUSING)					1	1								
	186629	BOLT, 5/16"-18X1" (12.9001)					2									
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)												2		
	179857	BOLT, 7/16"-14X7/8" (12.9001)							1							
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)							4							
	103320	LOCKWASHER, 5/16" (12.9200)					2									
	103321	LOCKWASHER, 3/8" (12.9200)												2		
	103322	LOCKWASHER, 7/16" (12.9200)							1							
	103323	LOCKWASHER, 1/2" (12.9200)							4							
		# NOT SERVICED, FOR REPLACEMENT USE 5128208.														
		4.5004 - BRACKET, OIL FILLER TUBE CLAMP														
	5132690	BRACKET, CLAMP,4-53												1		
	5127932	CLAMP												1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)												1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)												1		
	103321	LOCKWASHER, 3/8" (12.9200)												2		
	117049	NUT, 3/8"-24 (12.9120)												1		
		4.5005 - ADAPTOR, OIL FILLER TUBE														
	5121052	BODY,2,3,4-53										1				
	5128208	ADAPTOR ASSY. (INCLUDES HOOK AND CHAIN IN 4.5030 AND STRAINER IN 4.5020)											1			
	5150829	PLUG, 7/8" CUP (4.8001)										2				
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)										2				
	179857	BOLT, 7/16"-14X7/8" (12.9001)											1			
	122408	BOLT, 1/2"-13X1" (12.9001)											4			
	103320	LOCKWASHER, 5/16" (12.9200)										2				
	103322	LOCKWASHER, 7/16" (12.9200)											1			
	103323	LOCKWASHER, 1/2" (12.9200)											4			
		4.5010 - CAP, OIL FILLER														
*	5108474	CAP ASSY. (TWIST)		1												
8B	5120098	CAP ASSY.,2,3,4-53 (EXPANSION, 1.75" DIA.)			1							1				
	5117362	CAP, 3, 6V53											1			
	5145233	CAP ASSY.,2,3,4-53 (SNAP) (4.5001)							1					1		
	5107106	CAP ASSY. (EXPANSION, 1.50" DIA.)				1	1	1		1						
*	5108474	= CAP ASSY.,6V53 (TWIST)									2					
	5140259	@ CAP ASSY.,3-56,6V53													1	1
		* FIG. 9D OF 1.0000.														
		@ INCLUDES 5198208 CHAIN AND 5198207 CLIP IN 4.5030.														
		= QUANTITY (1) FOR MODEL 5083-5399 ON EARLY ENGINES.														

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4.5000A OIL, FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7	18	44	45	50	51	53	54	55	60	64	70	74	7
		4.5020 - STRAINER, OIL FILLER TUBE														
8B	5121058	STRAINER,2,3,4-53			1		1	1		1	1	1				
	5121412	STRAINER											1			
	5150147	STRAINER														
		4.5030 - CHAIN, OIL FILLER CAP														
	5113825	CHAIN (5.3125)			1					1		1	1		1	1
	5198208	CHAIN,3-53,6V53													2	2
	5198207	CLIP														
	5146248	HOOK, FILLER CAP			2					2		2	2			
		4.5050 - GASKET, OIL FILLER TUBE														
#	5104506	GASKET,2,3,4-53 (1.5040)							1							
	5168176	GASKET,4-53 (4.5007)												1		
	5116391	GASKET, 3, 4-53					1									
		# FIG. 5A OF 1.0000.														

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4.5000A OIL, FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 86	91	92	95	97	107	112	113	117	118	121	122	146	161
		4.5001 - TUBE, OIL FILLER														
8B	5121051	TUBE,2,3,4-53		1		1				1						
	5137391	TUBE,3-53			1											
	5145206	+ TUBE ASSY., 6V53						1								
	5146907	TUBE, 8V53							1							
	5105089	TUBE ASSY., 3, 4-53												1		
	8920837	TUBE ASSY., 3-53													1	
	5156442	FLANGE, PIPE (4.1510)													1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						2								
	8921932	BOLT, 3/8"-16X1.25" (12.9001)							2							
	5101377	BOLT, 3/8"-16X1" W/SEAL PATCH (5.2020)													2	
	103341	WASHER, 3/8" (12.9190)							2							
	103321	LOCKWASHER, 3/8" (12.9200)						2							2	
		+ OBSOLETE.														
		4.5004 - BRACKET, OIL FILLER TUBE CLAMP														
	5145204	+ BRACKET, CLIP,6V53 (90 DEG.)						1								
	5137329	BRACKET, CLIP, 6V53 (90 DEG.) (7.1005)							1							
	5147850	BRACKET, CLIP, 6V53 (90 DEG.)							1							
	5176400	BRACKET (4.8010)							1							
	5174656	CLAMP (8.3842)						1	1							
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1	1							
	186629	BOLT, 5/16"-18 X 1" (12.9001)							1							
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)							1							
	120393	WASHER, 5/16" (12.9190)						1	2							
	103320	LOCKWASHER, 5/16" (12.9200)						1	1							
	103321	LOCKWASHER, 3/8" (12.9200)							1							
	120376	NUT, 5/16"-18 (12.9120)						1	1							
	102635	NUT, 3/8"-16 (12.9120)							1							
		+ OBSOLETE.														
		4.5005 - ADAPTOR, OIL FILLER TUBE														
	5121052	BODY,2,3,4-53				1				1						
	5121057	BODY,3-53 (4.8050)								2						
	5150829	PLUG, 7/8" CUP (4.8001)				2				2						
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)				2										
	103320	LOCKWASHER, 5/16" (12.9200)														
		4.5010 - CAP, OIL FILLER														
	5117362	CAP,3-53,6V53	1					1	1		1					
*	5108474	CAP ASSY. (TWIST)				1			1					1		
8B	5120098	CAP ASSY.,2,3,4-53 (EXPANSION, 1.75" DIA.)		1	1	1				1		1	1			
	5107106	CAP ASSY. (EXPANSION, 1.50" DIA.)					1							1	1	
	8922944	CAP														1
		* FIG. 9D OF 1.0000.														
		4.5020 - STRAINER, OIL FILLER TUBE														
8B	5121058	STRAINER,2,3,4-53		1	1	1				1						
	5150147	STRAINER,2,3,4-53	1													

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4.5000A OIL, FILLER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 86	91	92	95	97	107	112	113	117	118	121	122	146	161
		4.5030 - CHAIN, OIL FILLER CAP														
	5113825	CHAIN	1	1	1	1	1	1	1	1			1	1		
	5146248	HOOK, FILLER CAP	2	2	2	2	2	2	2	2	1	2	1	1		
		4.5050 - GASKET, OIL FILLER TUBE														
#	**5116391**	GASKET (1.5060)				1										
	5120540	GASKET (4.5007)						1	1							
	5124798	GASKET (4.4182)													1	
		# FIG. 5A OF 1.0000.														

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 107	114	125	130	131	137	138	140	141	146	154	158
		4.6001 - DIPSTICK												
6A	**5121060**	* DIPSTICK (X-13 1/4", Y-15/16", Z-11 7/8")	1											
6A	**5121219**	& @ DIPSTICK (X-10 1/2", Y-5/8", Z-9 1/8")		1										
6A	**5123938**	* DIPSTICK (X-13 1/4", Y-1", Z-11 7/32")			1									
6A	**5185533**	DIPSTICK (X-17 3/8") (UNMARKED)				1	1							
6A	**5109564**	+ DIPSTICK (X-19", Y-1.09", Z-16.52")						1						
6A	**5171148**	DIPSTICK (X-19 7/8", Y-1 1/16", Z-18")							1					
6A	**5143409**	+ DIPSTICK (X-13 1/4", Y-7/8", Z-9")								1				
6A	**5125561**	# & DIPSTICK (X-10.50", Y-.62", Z-9.12")									1			1
6A	**5109252**	= + DIPSTICK (X-10", Y-.62", Z-9")									1			
6A	**5126946**	& DIPSTICK (X-7.30", Y-.46", Z-4.90")										1		
6A	**5126235**	& DIPSTICK (X-15.62", Y-.62", Z-13.60")											1	
		* NOT SERVICED, USE 8921990.												
		+ NOT SERVICED, USE 8921988.												
		& NOT SERVICED, USE 8921989.												
		# THRU 2D-13699 IN TYPE 141.												
		= EFFECTIVE WITH 2D-13700 IN TYPE 141.												
		@ NOT SERVICED, CONVERT TO TYPE 141.												
		4.6020 - GUIDE, DIPSTICK												
6A	**5121062**	= ? GUIDE (1 1/8" L.)	1	1				1	1		1			
	5151430	GUIDE (1 1/2" L.)								1				
	442324	# * CONNECTOR, 7/16" INV. FL. TUBE (12.9460)									1	1	1	1
		= EFFECTIVE WITH 2D-13700 IN TYPE 141.												
		? EFFECTIVE WITH 4D-9757.												
		# THRU 2D-13699 IN TYPE 141.												
		* THRU 4D-9756												
		4.6030 - ADAPTOR, DIPSTICK												
	5121061	@ ADAPTOR (8.50" DEV. L.) (5109621)	1	1				1						
	5125563	+ # ADAPTOR (8.42" L.)									1			

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 107	114	125	130	131	137	138	140	141	146	154	158
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)												
	5109621	= ADAPTOR (8.32" L.)									1			
	5126945	+ ADAPTOR (3.56" L.)										1		
	5126655	ADAPTOR (6.00" L.)												1
6A	**5123372**	ADAPTOR (18.00" DEV. L.)				1	1							
6A	**5125119**	ADAPTOR (15.00" DEV. L.)							1					
6A	**5121140**	ADAPTOR (7.00" DEV. L.)								1				
6A	**5126229**	ADAPTOR (13.00" DEV. L.)											1	
6A	**5123919**	ADAPTOR (15.68" DEV. L.)			1									
	444002	CONNECTOR, 3/8" PIPE			1									
	137425	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1									
	188947	ELBOW, 1/2" TUBE X 1/4" PIPE 90 DEG. (12.9480)				1	1							
	189060	BUSHING, 3/4"X1/4" RED. (12.9570)				1								
	137400	# NUT, 7/16 INV. FL. TUBE (12.9460)									1	1		1
	137401	= NUT, 1/2 INV. FL. TUBE (12.9460)	1	1				1			1			
		# THRU 2D-13699 IN TYPE 141.												
		= EFFECTIVE WITH 2D-13700.												
		+ OBSOLETE.												
		* THRU 4D-9756.												
		@ NOT SERVICED, USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.												
		4.6040 - CLIP, DIPSTICK												
	5123946	CLIP,3-53			1									
	5170860	CLIP,3,4-53 (1/2" TUBE)				1	1							

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 160	161	166	168	181	182	184	186	187	188	189
		4.6001 - DIPSTICK											
6A	**5126234**	* DIPSTICK (X-16.72", Y-.62", Z-15.16")	1										
6A	**5127957**	* DIPSTICK (X-24.51", Y-1.10", Z-22")		1									
6A	**5127716**	* DIPSTICK (X-18.50", Y-.90", Z-17.02")			1								
6A	**5127715**	* DIPSTICK (X-12.50", Y-.90", Z-10.62")				1							
6A	**5127710**	* DIPSTICK (X-12.50", Y-1.15", Z-10.12")					1						
6A	**5127711**	* DIPSTICK (X-12.50", Y-.96", Z-10.65")						1					
6A	**5127709**	* DIPSTICK (X-13.25", Y-1.48", Z-11.02")							1				
6A	**5126565**	@ * DIPSTICK (X-15.62") (UNMARKED)								1			
6A	**5109289**	+ DIPSTICK (X-16") (UNMARKED)								1			
6A	**5127712**	* DIPSTICK (X-19.50", Y-.60", Z-17.30")									1		
6A	**5127713**	* DIPSTICK (X-17.75", Y-1.15", Z-16.30")										1	
6A	**5127714**	DIPSTICK (X-12.50", Y-.90", Z-10.22")											1
		* NOT SERVICED, USE 8921989.											
		+ NOT SERVICED, USE 8921988.											
		@ THRU 4D-9756.											
		4.6020 - GUIDE, DIPSTICK											
6A	**5121062**	? GUIDE (1 1/8" L.)								1			
	5151430	GUIDE (1 1/2" L.)		1									
	442324	@ CONNECTOR,2,3,4-53, 7/16" INV. FL. TUBE (12.9460)	1		1	1	1	1	1	1	1	1	1
		? EFFECTIVE WITH 4D-9757.											
		@ THRU 4D-9756.											
		4.6030 - ADAPTOR, DIPSTICK											
	5125563	+ ADAPTOR (8.42" L.)				1	1	1	1				1
6A	**5126229**	ADAPTOR ASSY. (13.00" DEV. L.)	1										
6A	**5127886**	ADAPTOR ASSY. (20.50" DEV. L.)		1									
6A	**5127719**	ADAPTOR ASSY. (14.72" DEV. L.)			1						1	1	
6A	**5125970**	@ ADAPTOR ASSY. (6.38" DEV. L.)								1			
6A	**5139276**	? * ADAPTOR ASSY. (10.38" DEV. L.)								1			
	137400	NUT, 7/16 INV. FL. TUBE (12.9460)				1	1	1	1				1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 160	161	166	168	181	182	184	186	187	188	189
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)											
		@ THRU 4D-9756.											
		? EFFECTIVE WITH 4D-9757.											
		* THRU 3D-29019.											
		+ OBSOLETE.											
		4.6040 - CLIP, DIPSTICK											
	5127944	CLIP,6V53 (1/2" TUBE)		1									

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 190	191	200	202	205	209	226	227	231	232	233	235
		4.6001 - DIPSTICK												
	NPN	DIPSTICK (CUSTOMER FURNISHED)				1								
6A	5127717	* DIPSTICK (X-13.25", Y-1", Z-11.25")	1											
6A	5128049	* DIPSTICK (X-10.50", Y-9 5/8", Z-8 3/4")		1										
6A	5162836	# DIPSTICK (X-25", Y-1.16", Z-22.94")			1									
6A	5100199	* DIPSTICK (X-35", Y-.68", Z-33.60")					1							
6A	5162655	# DIPSTICK (X-16", Y-1.60", Z-13.30")						1						
6A	5162935	# DIPSTICK (X-24", Y-.88", Z-22")							1	1				
6A	5129414	* DIPSTICK (X-27.85", Y-1.09", Z-26.04")									1			
6A	5129031	# DIPSTICK (X-29.44", Y-1.20", Z-27.18")										1	1	
6A	3818158	# DIPSTICK (X-23.50", Y-60", Z-22.60")												1
		* NOT SERVICED; USE 8921989.												
		# NOT SERVICED; USE 8921988.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL, .75" L. (RUBBER)		1					1	1				
		4.6020 - GUIDE, DIPSTICK												
6A	5151430	GUIDE (1 1/2" L.)			1	1		1	1			1	1	1
6A	5121062	GUIDE (1 1/8" L.)								1				
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)	1	1			1				1			
		4.6030 - ADAPTOR, DIPSTICK												
	NPN	ADAPTOR (CUSTOMER FURNISHED)				1								
	5125563	+ ADAPTOR (8.42" L.)	1											
	5128048	ADAPTOR ASSY. (6.75" DEV. L.)		1										
	5129507	ADAPTOR ASSY. (19.80" DEV. L.)			1									1
6A	5100195	ADAPTOR ASSY. (31.00" DEV. L.)					1							
	5121140	ADAPTOR (7.00" DEV. L.)						1						
6A	5109506	ADAPTOR ASSY. (20.00" DEV. L.)							1					
6A	5162976	ADAPTOR ASSY. (18.84" DEV. L.)								1				
	5108728	ADAPTOR (23.30" DEV. L.)									1			
	5109935	ADAPTOR (25.00" DEV. L.)										1		
	5109992	ADAPTOR (25.64" DEV. L.)											1	
	137400	NUT, 7/16 INV. FL. TUBE (12.9460)	1											
		+ OBSOLETE.												

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4.6000A DIPSTICK

4.6040 - CLIP, DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 190	191	200	202	205	209	226	227	231	232	233	235
	5129435	CLIP			1				1					
	5161873	CLIP (7.4412)					1							
	5153473	CLIP, 6V53 (1/2" TUBE)								1		1	1	
	5161875	CLIP									1			
	5168001	CLIP (1/2" TUBE)												1
	5188248	BRACKET, CLIP								1				
	5188969	BRACKET, CLIP									1			
	5126530	PLUG, CLIP ANCHOR (7.7010)										1	1	
	120228	BOLT, 5/16"-18X5/8" (12.9001)									1			
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1	1	
	106284	BOLT, 3/8"-24X5/8" (12.9001)								1				
	120393	WASHER, 5/16" (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)									1	1	1	
	103321	LOCKWASHER, 3/8" (12.9200)								AR				
	120376	NUT, 5/16"-18 (12.9120)									1			
	117049	NUT, 3/8"-24 (12.9120)								1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 240	241	242	243	247	248	251	252	253	255	256	257
		4.6001 - DIPSTICK												
6A	5129025	* DIPSTICK (X-28", Y-1.06", Z-26.24")	1											
6A	5162923	+ DIPSTICK (X-14", Y-.94", Z-11.88")		1										
6A	5162835	* DIPSTICK (X-11", Y-1.16", Z-9.40")			1									
6A	5162934	+ DIPSTICK (X-23", Y-1.18", Z-20.88")				1								
6A	5179121	* DIPSTICK (X-29", Y-1.60", Z-26.36")					1							
6A	5178596	+ DIPSTICK (X-31", Y-.88", Z-29.70")						1						
6A	5127232	* DIPSTICK (X-30", Y-1", Z-27.76")							1					
6A	5109146	* DIPSTICK (X-35", Y-.68", Z-33.60")								1			1	
6A	5109253	+ DIPSTICK (X-12", Y-.94", Z-10.54")									1			
6A	5127711	= DIPSTICK (X-12.50", Y-.96", Z-10.65")										1		
6A	5162836	* DIPSTICK (X-25", Y-1.16", Z-22.94")												1
		+ NOT SERVICED; USE 5146680.												
		= NOT SERVICED; USE 8921989.												
		* NOT SERVICED, USE 8921988.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL, .75" L. (RUBBER)	1	1	1	1	1		1	1	1		1	1
		4.6020 - GUIDE, DIPSTICK												
6A	5151430	GUIDE (1 1/2" L.)	1		1		1	1						
6A	5121062	GUIDE (1 1/8" L.)		1					1	1	1		1	1
6A	5173274	GUIDE (6 1/2" L.)				1								
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)										1		
		4.6030 - ADAPTOR, DIPSTICK												
	5129507	ADAPTOR ASSY. (19.80" DEV. L.)					1							1
	5109992	ADAPTOR (25.64" DEV. L.)	1											
	5162964	ADAPTOR (7.68" DEV. L.)		1										
6A	5109756	ADAPTOR ASSY. (6.25" DEV. L.)			1									
	5139921	ADAPTOR (11.50" DEV. L.)				1								
6A	5130187	ADAPTOR ASSY. (27.50" DEV. L.)						1						
6A	5130247	ADAPTOR ASSY. (25.02" DEV. L.)							1					
6A	5109147	ADAPTOR ASSY. (31.60" DEV. L.)								1			1	
	5109621	ADAPTOR (8.50" L.)									1			
	5130429	+ ADAPTOR (8.60" L.)										1		
	137400	NUT, 7/16 INV. FL. TUBE (12.9460)										1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 240	241	242	243	247	248	251	252	253	255	256	257
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)												
	137401	NUT, 1/2 INV. FL. TUBE (12.9460) + OBSOLETE.									1			
		4.6040 - CLIP, DIPSTICK												
	5129435	CLIP					1	1						1
	5153473	CLIP (1/2" TUBE)	1							1			1	
	5168001	CLIP (1/2" TUBE)												1
	140582	CLIP (1/2" TUBE) (12.9630)							1					
	5166565	BRACKET, CLIP							1					
	5184088	BRACKET, CLIP (4.8183)								1				
	5126530	PLUG, CLIP ANCHOR (7.7010)	1											
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1							1				
	181595	BOLT, 5/16"-24X3/4" (12.9001)												
	186627	BOLT, 3/8"-24X1" (12.9001)							1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1					
	120393	WASHER, 5/16" (12.9190)								1				
	103320	LOCKWASHER, 5/16" (12.9200)	1							1				
	103321	LOCKWASHER, 3/8" (12.9200)							AR					
	114493	NUT, 5/16"-24 (12.9120)								1				
	117049	NUT, 3/8"-24 (12.9120)							1					

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	261	262	266	267	268	269	271	272	273	275
		4.6001 - DIPSTICK												
6A	5109252	% DIPSTICK (X-10", Y-.62", Z-9")	1											
6A	5162946	% DIPSTICK (X-30", Y-1.32", Z-27.32")		1			1							
6A	5109253	% DIPSTICK (X-12", Y-.94", Z-10.54")			1									
6A	5162933	% DIPSTICK (X-22", Y-.72", Z-20.25")				1								
6A	5109264	% DIPSTICK (X-12", Y-1.12", Z-10")						1						
6A	5109254	% DIPSTICK (X-13", Y-1.40", Z-10.94")							1					
6A	5162921	% DIPSTICK (X-11", Y-.88", Z-9")								1			1	
6A	5162934	% DIPSTICK (X-23", Y-1.18", Z-20.88")									1			
6A	5109291	% DIPSTICK (X-20", Y-1.75", Z-16.88")										1		
6A	5109910	% DIPSTICK (X-19", Y-.88", Z-16.96")												1
		% NOT SERVICED, USE 8921988.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL, .75" L. (RUBBER)	1	1	1	1	1	1	1	1	1	1	1	1
		4.6020 - GUIDE, DIPSTICK												
6A	5121062	GUIDE (1 1/8"L.)	1		1		1	1		1	1		1	1
6A	5151430	GUIDE (1 1/2" L.)		1		1						1		
		4.6030 - ADAPTOR, DIPSTICK												
	5178704	+ ADAPTOR (5.90" L.) (5109621)	1											
	5109615	+ ADAPTOR (7.16" L.) (5109621)							1					
6A	5162894	ADAPTOR ASSY. (8.02" DEV. L.)											1	
6A	5162893	ADAPTOR ASSY. (9.24" DEV. L.)								1				
6A	5130915	* ADAPTOR ASSY. (11.06" DEV. L.)										1		
6A	5125119	ADAPTOR ASSY. (15.00" DEV. L.)												1
6A	5162976	ADAPTOR ASSY. (18.84" DEV. L.)				1								
6A	5138290	ADAPTOR ASSY. (19.24" DEV. L.)									1			
6A	5139992	ADAPTOR ASSY. (24.50" DEV. L.)					1							
6A	5177579	ADAPTOR ASSY. (25.84" DEV. L.)		1										
	8921181	ADAPTOR ASSY. (8.56" DEV. L.)			1			1						
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)	1		1			1	1					
		* NOT SERVICED; REPLACE WITH 5131842 ADAPTOR AND 5121062 GUIDE.												
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.												
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP (1/2" TUBE)		1		1								
	5161875	CLIP (7/16" TUBE)					1							
	140582	CLIP, 1/2" TUBE (12.9630)									1			
	5188248	BRACKET, CLIP (7.1606)				1								

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	259	261	262	266	267	268	269	271	272	273	275
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	5188969	BRACKET, CLIP (4.1540)					1							
	5126530	PLUG, CLIP ANCHOR (7.7010)		1										
	120228	BOLT, 5/16"-18X5/8" (12.9001)					1							
	181333	BOLT, 5/16"-24X5/8" (12.9001)		1										
	106284	BOLT, 3/8"-24X5/8" (12.9001)				1								
	120393	WASHER, 5/16" (12.9190)					1							
	103320	LOCKWASHER, 5/16" (12.9200)		1			1							
	103321	LOCKWASHER, 3/8" (12.9200)				1								
	120376	NUT, 5/16"-18 (12.9120)					1							
	117049	NUT, 3/8"-24 (12.9120)				1								

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	284	285	289	291	295	297	298	299	305	320	323
		4.6001 - DIPSTICK												
6A	5109254	+ DIPSTICK (X-13", Y-1.40", Z-10.94")			1				1					
6A	5109291	+ DIPSTICK (X-20", Y-1.75", Z-16.88")										1		
6A	5109910	+ DIPSTICK (X-19", Y-.88", Z-16.96")								1			1	
6A	5109262	+ DIPSTICK (X-19", Y-.80", Z-17.44")	1											
6A	5109255	+ DIPSTICK (X-15", Y-.62", Z-13.50")		1										
6A	5162941	+ DIPSTICK (X-28", Y-1.18", Z-25.68")				1								
6A	5179121	+ DIPSTICK (X-29", Y-1.60", Z-26.36")					1							
6A	5109564	+ DIPSTICK (X-19", Y-1.09", Z-16.52")						1						
6A	5109256	+ DIPSTICK (X-16", Y-1.18", Z-14.25")									1			
6A	5162944	+ DIPSTICK (X-29", Y-.66", Z-27.32")												1
		+ NOT SERVICED; USE 8921988.												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL, .75" L. (RUBBER)	1	1	1	1	1	1	1	1	1	1	1	1
		4.6020 - GUIDE, DIPSTICK												
6A	5121062	GUIDE (1 1/8"L.)	1	1	1			1	1	1	1	1	1	1
6A	5151430	GUIDE (1 1/2" L.)				1	1							
		4.6030 - ADAPTOR, DIPSTICK												
	5109618	* ADAPTOR (8.32" L.) (5109621)			1									
	5109616	* ADAPTOR (7.88" L.) (5109621)							1					
6A	5109774	ADAPTOR ASSY. (11.28" DEV. L.)		1										
6A	5131766	+ ADAPTOR ASSY. (14.28" DEV. L.)						1						
6A	5109791	ADAPTOR ASSY. (15.10" DEV. L.)	1											
6A	5130206	ADAPTOR ASSY. (20.10" DEV. L.)					1							
6A	5177535	ADAPTOR ASSY. (25.14" DEV. L.)				1								
6A	5130789	+ ADAPTOR ASSY. (15.30" DEV. L.)								1				
6A	5131605	ADAPTOR ASSY. (8.86" DEV. L.)									1			
6A	5131842	ADAPTOR ASSY. (11.10" DEV. L.)										1		
	5109621	ADAPTOR (15.18" L.)											1	
6A	5132193	+ ADAPTOR ASSY. (27.62" DEV. L.)												1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)			1				1				1	
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP (1/2" TUBE)				1								
	140582	CLIP (1/2" TUBE) (12.9630)												1
	5168001	CLIP (1/2" TUBE) (12.4095)					1							

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	284	285	289	291	295	297	298	299	305	320	323
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	5173189	BRACKET, CLIP (9.1591)					1							
	5126530	PLUG, CLIP ANCHOR (7.7010)				1								1
	181333	BOLT, 5/16"-24X5/8" (12.9001)				1								1
	179838	BOLT, 3/8"-16X7/8" (12.9001)					1							1
	120393	WASHER, 5/16" (12.9190)												
	103341	WASHER, 3/8" (12.9190)					1							1
	103320	LOCKWASHER, 5/16" (12.9200)				1								1
	103321	LOCKWASHER, 3/8" (12.9200)					1							
	102635	NUT, 3/8"-16 (12.9120)					1							

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 333	344	354	356	384	386	390	401	405	411	412	414
		4.6001 - DIPSTICK												
		FOR TYPE 349 USE TYPE 490.												
6A	**5162944**	+ DIPSTICK (X-29", Y-.66", Z-27.32")	1											
6A	**5109565**	= DIPSTICK (X-29", Y-.75", Z-27.00")		1										
6A	**5109253**	= DIPSTICK (X-12", Y-.94", Z-10.54")			1		1							
6A	**3818158**	= DIPSTICK (X-23.50", Y-.60", Z-22.60")				1								
6A	**5132575**	+ DIPSTICK (X-32", Y-.58", Z-30.20")						1						
6A	**5162836**	= DIPSTICK (X-25", Y-1.16", Z-22.94")							1					
6A	**5109259**	= DIPSTICK (X-18", Y-1.18", Z-16.12")								1				
6A	**5162939**	# = DIPSTICK (X-26", Y-1.46", Z-23.46")									1			
6B	**5133486**	? DIPSTICK (X-27.25", Y-.46", Z-25.94")										1		1
6A	**5162923**	+ DIPSTICK (X-14", Y-.94", Z-11.88")											1	
		+ NOT SERVICED, USE 5146680.												
		= NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).												
		# FOR TYPE 405, CONVERT TO TYPE 505.												
		? NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL, .75" L. (RUBBER)	1	1	1		1	1	1				1	
		4.6020 - GUIDE, DIPSTICK												
6A	**5121062**	* GUIDE (1 1/8" L.)	1	1			1			1			1	
6A	**5151430**	@ GUIDE (1 1/2" L.)			1	1		1	1			1		1
6A	**5120861**	# GUIDE (4 5/8" L.)									1			
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)											1	
		# FOR TYPE 405, CONVERT TO TYPE 505.												
		4.6030 - ADAPTOR, DIPSTICK												
6A	**5132411**	ADAPTOR ASSY. (24.88" DEV. L.)	1											
6A	**5132745**	ADAPTOR ASSY. (26.00" DEV. L.)		1										
	5109614	ADAPTOR ASSY. (5.46" L.)			1									
6A	**3831144**	ADAPTOR ASSY. (19.09" DEV. L.)				1								
	5128376	ADAPTOR ASSY. (7.72" DEV. L.)					1							
6A	**5132079**	ADAPTOR ASSY. (26.86" DEV. L.)						1						
6A	**5138323**	ADAPTOR ASSY. (19.70" DEV. L.)							1					
6A	**5132019**	ADAPTOR ASSY. (14.48" DEV. L.)								1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 333	344	354	356	384	386	390	401	405	411	412	414
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)												
6A	5133835	# ADAPTOR ASSY. (19.96" DEV. L.)									1			
6B	5134093	ADAPTOR ASSY. (25.50" DEV. L.)										1		
	5121061	ADAPTOR ASSY. (8.50" DEV. L.)											1	
6A	5134146	ADAPTOR ASSY. (25.00" DEV. L.)												1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)			1		1						1	
		# FOR TYPE 405, CONVERT TO TYPE 505.												
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP (1/2" TUBE)	1	1				1				1		1
	5168001	CLIP (1/2" TUBE) (12.4095)				1			1		1			
	5166565	BRACKET, CLIP (9.1591)	1											
	5130913	BRACKET, CLIP (7.4597)	1									1		
	5184510	BRACKET, CLIP (7.7380)						1						
	5114541	BRACKET, CLIP (7.1585)							1		1			
	5134079	BRACKET, CLIP (ALUM.)												1
	5111079	SUPPORT, CLIP		1										
	5196119	SPACER, 7/8" X 13/32" X 3/8" (5.4025)						1						
	5157412	SPACER, 7/8" X 1/4" (7.4013)	1											
	5126530	PLUG, ANCHOR (7.7010)			1									
	120228	BOLT, 5/16"-18X5/8" (12.9001)		1										
	181333	BOLT, 5/16"-24X5/8" (12.9001)							1		1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)										1		1
	179839	BOLT, 3/8"-16X1" (12.9001)	1											2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						1						
	106284	BOLT, 3/8"-24X5/8" (12.9001)	1											
	120393	WASHER, 5/16" (12.9190)							1		1			
	103341	WASHER, 3/8" (12.9190)						1						2
	103320	LOCKWASHER, 5/16" (12.9200)		1					1		1			
	103321	LOCKWASHER, 3/8" (12.9200)	AR					AR				1		3
	120376	NUT, 5/16"-18 (12.9120)		1										
	114493	NUT, 5/16"-24 (12.9120)							1		1			
	102635	NUT, 3/8"-16 (12.9120)										1		1
	117049	NUT, 3/8"-24 (12.9120)	2					1						

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	422	423	425	430	433	440	458	461	463	466	467	469
		4.6001 - DIPSTICK													
	NPN	DIPSTICK (CUSTOMER FURNISHED)	1												
6A	5134379	DIPSTICK (X-16", UNMARKED)		1											
6A	5109563	% + DIPSTICK (X-13", Y-1.56", Z-10.32")			1										
6A	5109267	+ DIPSTICK (X-24", Y-1.25", Z-21.12")				1									
6A	5135235	= DIPSTICK (X-24", Y-1.54", Z-21.80")					1								
6A	5135445	+ DIPSTICK (X-24", Y-1.03", Z-22.70")						1							
6A	5135202	DIPSTICK (X-16", Y-1.25", Z-13.86")							1						
6A	5132575	+ DIPSTICK (X-32", Y-.58", Z-30.20")								1					
6A	5162944	+ DIPSTICK (X-29", Y-.66", Z-27.32")									1				
6A	5162933	+ DIPSTICK (X-22", Y-.72", Z-20.25")										1			
6A	5109252	+ DIPSTICK (X-11", Y-.62", Z-09.00")											1		
6A	5109564	+ DIPSTICK (X-19", Y-1.09", Z-16.52")												1	
	5162946	+ DIPSTICK (X-30", Y-1.32", Z-27.32")													1
		+ NOT SERVICED, USE 8921988.													
		% FOR TYPE 423, CONVERT TO TYPE 515.													
		= FOR TYPE 430, CONVERT TO TYPE 508.													
		4.6010 - GASKET, DIPSTICK													
	5106906	SEAL, .75" L. (RUBBER)		1	1	1		1		1	1	1	1	1	
		4.6020 - GUIDE, DIPSTICK													
6A	5121062	= GUIDE (1 1/8" L.)					1			1	1	1	1	1	
6A	5151430	% GUIDE (1 1/2" L.)			1	1		1							1
6A	5135007	GUIDE (6 1/2" L.)		1					1						
		= FOR TYPE 430, CONVERT TO TYPE 508.													
		% FOR TYPE 423, CONVERT TO TYPE 515.													
		4.6030 - ADAPTOR, DIPSTICK													
6A	5134774	ADAPTOR ASSY. (23.20" DEV. L.)	1												
6A	5121061	+ ADAPTOR ASSY. (8.50" DEV. L.) (5109621)		1											
6A	5138322	* ADAPTOR ASSY. (7.90" DEV. L.)			1										
6A	5134364	ADAPTOR ASSY. (18.56" DEV. L.)				1									
6A	5135124	@ ADAPTOR ASSY. (21.14" DEV. L.)					1								
6A	5129507	ADAPTOR ASSY. (19.80" DEV. L.)						1							
6A	5131605	ADAPTOR ASSY. (8.86" DEV. L.)							1						
6A	5136365	ADAPTOR ASSY. (28.68" DEV. L.)								1					
6A	5132411	ADAPTOR ASSY. (24.88" DEV. L.)									1				
6A	5162976	ADAPTOR ASSY. (18.84" DEV. L.)										1			

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	422	423	425	430	433	440	458	461	463	466	467	469
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)													
6A	**5196779**	+ ADAPTOR ASSY. (6.92" DEV. L.) (5109621)											1		
6A	**5136626**	ADAPTOR ASSY. (15.00" DEV. L.)												1	
	5177622	ADAPTOR ASSY. (25.20" DEV. L.)													1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)		1									1		
		* FOR TYPE 423, CONVERT TO TYPE 515.													
		@ FOR TYPE 430, CONVERT TO TYPE 508.													
		+ NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.													
		4.6040 - CLIP, DIPSTICK													
	5153473	CLIP (1/2" TUBE, 3/8" BOLT)									1	1		1	1
	5168001	CLIP (1/2" TUBE) (12.4095)						1							
	5129435	CLIP	1			1		1	1						
	5131426	CLIP (1/2" TUBE)								1					
	5114541	BRACKET, CLIP (7.1585)						1							
	5188248	BRACKET, CLIP									1	1			
	5155464	BRACKET, CLIP												1	
	5126530	PLUG, ANCHOR (7.7010)													1
	181333	BOLT, 5/16"-24X5/8" (12.9001)						1							1
	181595	BOLT, 5/16"-24X3/4" (12.9001)					1								
	179833	BOLT, 3/8"-16X1/2" (12.9001)								1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)												1	
	106284	BOLT, 3/8"-24X5/8" (12.9001)									1	1			
	120393	WASHER, 5/16" (12.9190)					1	1							
	103320	LOCKWASHER, 5/16" (12.9200)					1	1							1
	103321	LOCKWASHER, 3/8" (12.9200)								1	AR		AR		
	114493	NUT, 5/16"-24 (12.9120)						1							
	102635	NUT, 3/8"-16 (12.9120)												1	
	117049	NUT, 3/8"-24 (12.9120)									1	1			

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 470	474	476	479	484	485	488	489	490	491	497	500
		4.6001 - DIPSTICK												
		FOR TYPE 492 USE TYPE 696.												
6A	**5139623**	+ DIPSTICK (X-27.25", Y-1.00", Z-25.94")	1											
6A	**5109255**	+ DIPSTICK (X-15", Y-.62", Z-13.50")		1										
6A	**5137323**	% DIPSTICK (X-12.25", Y-.72", Z-10.64")			1									
6A	**5162667**	DIPSTICK (X-26.32", Y-1.46", Z-23.46")				1								
6A	**5137672**	% DIPSTICK (X-16.50", Y-1.60", Z-14.14")					1							
6A	**5109256**	+ DIPSTICK (X-16", Y-1.18", Z-14.25")						1						
6B	**5138178**	% DIPSTICK (X-25.56", Y-.60", Z-23.45")							1					
6A	**5130975**	+ DIPSTICK (X-25", Y-.94", Z-23.50")								1			1	
6A	**5109563**	+ DIPSTICK (X-13", Y-1.56", Z-10.32")									1			
6A	**5162835**	+ DIPSTICK (X-11", Y-1.16", Z-9.40")										1		
6A	**5162944**	+ DIPSTICK (X-29", Y-.66", Z-27.32")												1
		+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).												
		% NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).												
		4.6010 - GASKET, DIPSTICK												
	5106906	SEAL, .75" L. (RUBBER)	1	1				1		1	1	1	1	1
		4.6020 - GUIDE, DIPSTICK												
6A	**5121062**	GUIDE (1 1/8" L.)			1			1	1	1		1	1	1
6A	**5151430**	GUIDE (1 1/2" L.)		1			1				1			
6A	**5137864**	GUIDE (4 3/4" L.)				1								
	442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)	1											
		4.6030 - ADAPTOR, DIPSTICK												
6A	**5134774**	ADAPTOR ASSY. (23.20" DEV. L.)	1											
6A	**5120477**	ADAPTOR ASSY. (10.65" DEV. L.)		1										
6A	**5196780**	ADAPTOR ASSY. (8.48" L.)			1									
6A	**5137735**	ADAPTOR ASSY. (21.00" DEV. L.)				1								
6A	**5137671**	ADAPTOR ASSY. (7.94" DEV. L.)					1							
6A	**5137663**	ADAPTOR ASSY. (12.68" DEV. L.)						1						
6B	**5138177**	+ ADAPTOR ASSY. (22.14" DEV. L.)							1					
6A	**5137452**	ADAPTOR ASSY. (21.90" DEV. L.)								1				
6A	**5138322**	ADAPTOR ASSY. (7.90" DEV. L.)									1			
6A	**5135813**	+ ADAPTOR ASSY. (20.00" DEV. L.)										1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 470	474	476	479	484	485	488	489	490	491	497	500
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)												
6A	**5135719**	ADAPTOR ASSY. (21.64" DEV. L.)											1	
6A	**5138744**	ADAPTOR ASSY. (25.33" DEV. L.)												1
	137401	NUT, 1/2" INV. FL. TUBE (12.9460)								1		1		
		+ OBSOLETE.												
		4.6040 - CLIP, DIPSTICK												
	140582	CLIP (12.9630)						1						
	5168001	CLIP (1/2" TUBE) (12.4095)				1								
	5109020	CLIP (1/2" TUBE)							1					
	5153473	CLIP (1/2" TUBE)								1		1	1	1
	5114541	BRACKET, CLIP (7.1585)				1								
	5188969	BRACKET, CLIP (4.1540)							1	1				
	5155464	BRACKET, CLIP										1		
	5166565	BRACKET, CLIP (9.1591)												1
	5177362	SPACER (3/8"X3/4"X1/4")										1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)							1					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										1		
	181333	BOLT, 5/16"-24X5/8" (12.9001)				1				1				
	106284	BOLT, 3/8"-24X5/8" (12.9001)												1
	181360	BOLT, 3/8"-24X3/4" (12.9001)										1		
	120393	WASHER, 5/16" (12.9190)				1			1					
	103341	WASHER, 3/8" (12.9190)										1		
	103320	LOCKWASHER, 5/16" (12.9200)				1			1	1				
	103321	LOCKWASHER, 3/8" (12.9200)										1		1
	120376	NUT, 5/16"-18 (12.9120)							1					
	114493	NUT, 5/16"-24 (12.9120)				1				1				
	117049	NUT, 3/8"-24 (12.9120)										1		1
	103026	NUT, 3/8"-24 (12.9120)										1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 504	505	507	508	515	518	521	525	529	530	531	535	537
		4.6001 - DIPSTICK													
		FOR TYPE 532 USE TYPE 697.													
6B	**5138824**	= DIPSTICK (X-32.25", Y-1.50", Z-29.78")	1												
6A	**5162667**	DIPSTICK (X-26.32", Y-1.46", Z-23.46")		1											
6B	**5133486**	= DIPSTICK (X-27.25", Y-.46", Z-25.94")			1				1						
6A	**5131901**	% DIPSTICK (X-23", Y-1", Z-21.50")				1									
6A	**5109563**	% DIPSTICK (X-13", Y-1.56", Z-10.32")					1								
6A	**5162941**	% DIPSTICK (X-28", Y-1.18", Z-25.68")						1							
6A	**5140112**	% DIPSTICK (X-34", Y-.94", Z-32.42")								1					
6A	**5122393**	% DIPSTICK (X-33", Y-1.06", Z-31.18")									1				
6A	**5162923**	% DIPSTICK (X-14", Y-.94", Z-11.88")										1			
6A	**5109254**	% DIPSTICK (X-13", Y-1.40", Z-10.94")											1		
6A	**5132960**	% DIPSTICK (X-16", Y-.80", Z-14.88")												1	
	5131503	% DIPSTICK (X-35", Y-1.06", Z-33.20")													1
		% NOT SERVICED, USE 8921988 DIPSTICK KIT (UNMARKED).													
		= NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).													
		4.6010 - GASKET, DIPSTICK													
	5106906	SEAL, .75" L. (RUBBER)				1	1	1			1	1	1	1	
		4.6020 - GUIDE, DIPSTICK													
6A	**5121062**	GUIDE (1 1/8" L.)	1		1	1	1			1		1		1	1
6A	**5151430**	GUIDE (1 1/2" L.)							1		1		1		
6A	**5137864**	GUIDE (4 3/4" L.)		1											
	442324	+ CONNECTOR, 7/16" INV. FL. TUBE (12.9460)						1							
		+ OBSOLETE.													
		4.6030 - ADAPTOR, DIPSTICK													
6B	**5138825**	+ ADAPTOR ASSY. (27.44" DEV. L.)	1												
6A	**5138323**	ADAPTOR ASSY. (20.94" DEV. L.)		1											
6A	**5137913**	ADAPTOR ASSY. (24.04" DEV. L.)			1										
6A	**5138324**	ADAPTOR ASSY. (21.30" DEV. L.)				1									
6A	**5138322**	ADAPTOR ASSY. (7.90" DEV. L.)					1						1		
6A	**5139737**	@ ADAPTOR ASSY. (23.20" DEV. L.)						1							
6B	**5139425**	+ ADAPTOR ASSY. (25.64" DEV. L.)							1						
6A	**5140099**	+ ADAPTOR ASSY. (30.44" DEV. L.)								1					
6A	**5138794**	+ ADAPTOR ASSY. (28.50" DEV. L.)									1				
6A	**5109615**	* ADAPTOR ASSY. (7.16 L.) (5109621)										1			
6A	**5139699**	* ADAPTOR ASSY. (12.10" L.) (5109621)												1	
	5140655	ADAPTOR ASSY. (31.30" DEV. L.)													1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 504	505	507	508	515	518	521	525	529	530	531	535	537
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)													
	137401	NUT, 1/2" INV. FL. TUBE (12.9460)										1		1	
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH SHOWN.													
		@ NOT SERVICED, USE 8921152 ADAPTOR ASSY., PLUS 5121062 GUIDE AND 5153473 CLIP.													
		+ OBSOLETE.													
		4.6040 - CLIP, DIPSTICK													
	5140098	CLIP								1					
	5161873	CLIP (7/16" TUBE) (7.4412)						1							
	5168001	CLIP (1/2" TUBE) (12.4095)		1											1
	5109020	CLIP (1/2" TUBE)			1	1									
	5153473	CLIP (1/2" TUBE)								1	1				
	5151108	CLIP, 8V53 (1/2" TUBE) (12.4095)	1												
	5136948	CLIP,6V53 (1/2" TUBE) (2.5020)							1						
	5114541	BRACKET, CLIP (7.1585)		1				1							
	5188969	BRACKET, CLIP (4.1540)									1				
	5159393	BRACKET, CLIP (4.1575)			1										
	5130913	BRACKET, CLIP (7.4597)				1									
	5178595	BRACKET (2.5030)													1
	5126530	PLUG, ANCHOR (7.7010)				1									1
	100001	BOLT, 1/4"-28X3/4" (12.9001)						1							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)									1				
	181333	BOLT, 5/16"-24X5/8" (12.9001)		1						1					1
	181595	BOLT, 5/16"-24X3/4" (12.9001)				1									
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1										
	181360	BOLT, 3/8"-24X3/4" (12.9001)													1
	120392	WASHER, 1/4" (12.9190)						2							
	120393	WASHER, 5/16" (12.9190)		1		1					1				
	120380	LOCKWASHER, 1/4" (12.9200)						1							
	103320	LOCKWASHER, 5/16" (12.9200)		1		1				1	1				1
	103321	LOCKWASHER, 3/8" (12.9200)			1										1
	121902	NUT, 1/4"-28 (12.9120)						1							
	120376	NUT, 5/16"-18 (12.9120)									1				
	114493	LOCKNUT, 5/16"-24 (2.7170)		1						1					
	102635	NUT, 3/8"-16 (12.9120)			1										
	117049	NUT, 3/8"-24 (12.9120)													1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 539	541	542	548	549	552	553	554	559	560	563	565	567
		4.6001 - DIPSTICK													
6A	**5162939**	+ DIPSTICK (X-26", Y-1.46", Z-23.46")	1									1			
6A	**5162941**	+ DIPSTICK (X-28", Y-1.18", Z-25.68")		1											
6A	**5109253**	+ DIPSTICK (X-12", Y-.94", Z-10.54")			1										
6A	**5139902**	DIPSTICK (X-24", Y-.60", Z-22.60")				1									
6A	**5162930**	+ DIPSTICK (X-18", Y-.56", Z-16.56")					1								
6B	**5140126**	= DIPSTICK (X-14.50", Y-.94", Z-12.81")						1							
6A	**5162835**	+ DIPSTICK (X-11", Y-1.16", Z-9.40")							1						
6A	**5131805**	+ DIPSTICK (X-27", Y-1.00", Z-25.58")								1					
6A	**5162836**	+ DIPSTICK (X-25", Y-1.16", Z-22.94")									1				
6A	**5134038**	+ DIPSTICK (X-41", Y-1.44", Z-38.70")											1		
6A	**5162933**	+ DIPSTICK (X-22", Y-.72", Z-20.25")												1	
6A	**5109565**	+ DIPSTICK (X-29", Y-.75", Z-27.00")													1
		+ NOT SERVICED; USE 5146680 DIPSTICK (UNMARKED).													
		= NOT SERVICED; USE 5146679 DIPSTICK (UNMARKED).													
		4.6010 - GASKET, DIPSTICK													
	5106906	SEAL, .75" L. (RUBBER)		1	1	1	1			1	1		1	1	1
		4.6020 - GUIDE, DIPSTICK													
	5151430	GUIDE (1 1/2" L.)			1										
	5121062	GUIDE (1 1/8" L.)				1	1	1	1	1	1			1	1
	5137864	GUIDE (4 3/4" L.)	1									1	1		
	442324	+ CONNECTOR, 7/16" INV. FL. TUBE (12.9460)		1											
		+ OBSOLETE.													
		4.6030 - ADAPTOR, DIPSTICK													
6A	**5109625**	% ADAPTOR ASSY. (25.68" L.)	1												
6A	**5140888**	+ ADAPTOR ASSY. (23.20" DEV. L.)		1											
6A	**5128376**	* ADAPTOR (7.72" L.) (5109621)			1										
6A	**5139903**	ADAPTOR ASSY. (20.34" DEV. L.)				1									
6A	**5139276**	% ADAPTOR ASSY. (10.28" DEV. L.)					1								
6B	**5141320**	ADAPTOR ASSY. (11.52" DEV. L.)						1							
6A	**5140522**	ADAPTOR ASSY. (6.70" DEV. L.)							1						
6A	**5139794**	ADAPTOR ASSY. (23.62" DEV. L.)								1					
6A	**5140323**	ADAPTOR ASSY. (20.18" DEV. L.)									1				
6A	**5138323**	ADAPTOR ASSY. (20.94" DEV. L.)										1			
6A	**5140137**	ADAPTOR ASSY. (37.66" DEV. L.)											1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 539	541	542	548	549	552	553	554	559	560	563	565	567
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)													
6A	**5142125**	ADAPTOR ASSY. (18.30" DEV. L.)												1	
	5139992	ADAPTOR ASSY. (24.50" DEV. L.)													1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)	1		1										
		% OBSOLETE.													
		+ NOT SERVICED, FOR SERVICE USE 8921153 ADAPTOR ASSY. PLUS 1-5121062 GUIDE AND 1-5153473 CLIP.													
		* *NOT SERVICED, USE PART NUMBER IN* PARENTHESES AND CUT TO LENGTH SHOWN.													
		4.6040 - CLIP, DIPSTICK													
	5129435	CLIP (3/4" TUBE)									1				
	5161873	CLIP (7/16" TUBE) (7.4412)		1											
	5168001	*CLIP (1/2" TUBE)* (12.4095)				1						1			1
	5153473	CLIP (1/2" TUBE)	1							1					
	5109020	CLIP (1/2" TUBE)												1	
	5161875	CLIP (7/16" TUBE)													1
	5120032	BRACKET, TUBE CLIP (3.5502)	1												
	5114541	BRACKET, CLIP (7.1585)		1								1			
	5131549	BRACKET, CLIP (5.2190)				1									
	5156404	SPACER, 13/32"X3/4"X1 7/16" (4.8040)												1	
	100002	BOLT, 1/4"-28X1" (12.9001)				1				1					
	120228	BOLT, 5/16"-18X5/8" (12.9001)													1
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1	1		1						1			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)												1	
	120393	WASHER, 5/16" (12.9190)	1	2		1						1			1
	120392	WASHER, 1/4" (12.9190)				1									
	120380	LOCKWASHER, 1/4" (12.9200)								1					
	103319	LOCKWASHER, 1/4" (12.9200)				1									
	103320	LOCKWASHER, 5/16" (12.9200)	1	1		1						1			1
	120376	*NUT, 5/16"-18 (12.9120)*	1												
	114493	NUT, 5/16"-24 (2.7170)	1	1		1						1			
	121902	NUT, 1/2"-28 (12.9120)				1				1					

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 569	571	572	573	574	578	580	581	584	587	594	595	596
		4.6001 - DIPSTICK													
6A	**5140916**	% DIPSTICK (X-17", Y-1.46", Z-14.38")		1											
6A	**5162928**	% DIPSTICK (X-16", Y-1.60", Z-13.30")			1										
6A	**5179121**	% DIPSTICK (X-29", Y-1.60", Z-26.36")				1									
6A	**5162836**	% DIPSTICK (X-25", Y-1.16", Z-22.94")	1				1								1
6A	**5136356**	% DIPSTICK (X-20", Y-1.16", Z-18.45")						1							
6B	**5140126**	= DIPSTICK (X-14.50", Y-.94", Z-12.81")							1						
6A	**5162946**	% DIPSTICK (X-30", Y-1.32", Z-27.32")								1			1		
6A	**5109565**	% DIPSTICK (X-13", Y-1.56", Z-10.32")									1				
6A	**5162941**	% DIPSTICK (X-28", Y-1.18", Z-25.68")												1	
6A	**5135445**	% DIPSTICK (X-24", Y-1.03", Z-22.7)										1			
		= NOT SERVICED; USE 5146679 DIPSTICK KIT (UNMARKED).													
		% NOT SERVICED; USE 5146680 DIPSTICK KIT (UNMARKED).													
		4.6010 - GASKET, DIPSTICK													
	5106906	SEAL, .75" L. (RUBBER)		1	1	1	1			1	1		1	1	1
		4.6020 - GUIDE, DIPSTICK													
	5151430	GUIDE (1 1/2" L.)					1	1							
	5121062	GUIDE (1 1/8" L.)	1	1	1	1			1	1	1	1	1	1	1
		4.6030 - ADAPTOR, DIPSTICK													
6A	**5140342**	ADAPTOR ASSY. (20.08" DEV. L.)	1												
6A	**5142943**	ADAPTOR ASSY. (11.32" DEV. L.)		1											
6A	**5140599**	ADAPTOR ASSY. (7.38" DEV. L.)			1										
6A	**5140689**	ADAPTOR ASSY. (20.48" DEV. L.)				1									
6A	**5139437**	ADAPTOR ASSY. (21.84" DEV. L.)					1								
6A	**5130789**	+ ADAPTOR ASSY. (15.30" DEV. L.)						1							
6A	**5196780**	ADAPTOR ASSY. (8.40" DEV. L.)							1						
6A	**5140546**	ADAPTOR ASSY. (26.22" DEV. L.)								1					
6A	**5139958**	ADAPTOR ASSY. (7.72" DEV. L.)									1				
6A	**5140381**	+ ADAPTOR ASSY. (25.58" DEV. L.)											1		
6A	**5140382**	ADAPTOR ASSY. (25.52" DEV. L.)												1	
6A	**5140474**	ADAPTOR ASSY. (22.22" DEV. L.)													1
6A	**5140323**	ADAPTOR ASSY. (20.18" DEV. L.)										1			
		+ OBSOLETE													
		4.6040 - CLIP, DIPSTICK													
	5168001	CLIP (1/2" TUBE) (12.4090)	1			1						1			
	5153473	CLIP (1/2" TUBE)					1			1			1	1	1
	5129435	CLIP (3/4" TUBE)										1			

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 569	571	572	573	574	578	580	581	584	587	594	595	596
		4.6040 - CLIP, DIPSTICK (CONT'D)													
	5173189	BRACKET, CLIP (9.1591)				1									
	5163503	BRACKET, CLIP (4.3050)					1								1
	5114541	BRACKET, CLIP (7.1585)	1									1			
	5126530	PLUG, ANCHOR (7.7010)								1			1	1	
	181567	BOLT, 1/4"-28X7/8" (12.9001)					1								1
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1							1		1	1	1	
	8927580	BOLT, 3/8"-16X1.015" (12.9001)				1									
	120393	WASHER, 5/16" (12.9190)	1									1			
	103341	WASHER, 3/8" (12.9190)				1									
	120392	WASHER, 3/8" (12.9190)					1								1
	120380	LOCKWASHER, 1/4" (12.9200)					1								1
	103320	LOCKWASHER, 5/16" (12.9200)	1							1		1	1	1	
	103321	LOCKWASHER, 3/8" (12.9200)				1									
	114493	NUT, 5/16"-24 (2.7170)	1									1			
	102635	NUT, 3/8"-16 (12.9120)				1									
	121902	NUT, 1/2"-28 (12.9120)					1								1

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4.6000A DIPSTICK

PART NUMBER	NAME AND DESCRIPTION	TYPES 597	606	608	610	611	616	617	619	623	626	637	638
	4.6001 - DIPSTICK												
6A **5109258**	+ DIPSTICK (X-18", Y-1", Z-15.88")	1											
6B **5134382**	* DIPSTICK (X-14.50", Y-.78", Z-12.92")		1										
6A **5136356**	+ DIPSTICK (X-20", Y-1.16", Z-18.45")			1									
6B **5133486**	* DIPSTICK (X-27.25", Y-.46", Z-25.94")				1							1	
6A **5109254**	+ DIPSTICK (X-13", Y-1.40", Z-10.94")					1							
6B **5138270**	* DIPSTICK (X-14.25", Y-1.40", Z-10.79")						1						
6A **5162935**	+ DIPSTICK (X-24", Y-.88", Z-22")							1					
6A **5109262**	+ DIPSTICK (X-19", Y-.80", Z-17.44")								1				
6B **5142367**	* DIPSTICK (X-29.25", Y-1.38", Z-26.62")									1			
6A **5109291**	+ DIPSTICK (X-20", Y-1.75", Z-16.88")										1		
6A **5162835**	+ DIPSTICK (X-11", Y-1.16", Z-9.40")												1
	+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).												
	* NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).												
	4.6010 - GASKET, DIPSTICK												
5106906	SEAL, .75" L. (RUBBER)	1				1		1	1		1		1
	4.6020 - GUIDE, DIPSTICK												
6A **5121062**	GUIDE (1 1/8" L.)	1	1	1	1	1		1	1	1			1
6A **5151430**	GUIDE (1 1/2" L.)											1	
442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)										1		
	4.6030 - ADAPTOR, DIPSTICK												
6A **5142943**	ADAPTOR ASSY. (11.32" DEV. L.)	1											
6B **5143452**	ADAPTOR ASSY. (12.10" DEV. L.)		1										
6A **5140366**	+ ADAPTOR ASSY. (15.68" DEV. L.)			1									
6B **5140439**	ADAPTOR ASSY. (26.02" DEV. L.)				1								
6A **5134420**	ADAPTOR ASSY. (6.88" DEV. L.)					1							
6B **5196780**	ADAPTOR ASSY. (8.40" L.)						1						
6A **5140476**	ADAPTOR ASSY. (20.38" DEV. L.)							1					
6A **5142124**	ADAPTOR ASSY. (15.00" DEV. L.)								1				
6B **5147190**	ADAPTOR ASSY. (25.04" DEV. L.)									1			
6A **5143997**	ADAPTOR ASSY. (11.29" DEV. L.)										1		
6A **5138463**	ADAPTOR ASSY. (24.12" DEV. L.)											1	
6A **5143777**	ADAPTOR ASSY. (8.43" DEV. L.)												1
	+ OBSOLETE												

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4.6000A DIPSTICK

4.6040 - CLIP, DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 597	606	608	610	611	616	617	619	623	626	637	638
	5168001	CLIP (1/2" TUBE) (12.4090)				1				1				
	5153473	CLIP (1/2" TUBE)											1	
	5129435	CLIP (3/4" TUBE)							1					
	5161873	CLIP (7/16" TUBE)									1			
	5114541	BRACKET, CLIP (7.1587)				1				1				
	5130913	BRACKET, CLIP									1			
	5158462	BRACKET, CLIP											1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)											1	
	179837	BOLT, 3/8"-16X3/4" (12.9001)								1				
	179835	BOLT, 3/8"-16X5/8" (12.9001)									1			
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1								
	181360	BOLT, 3/8"-24X3/4" (12.9001)								1				
	103341	WASHER, 3/8" (12.9190)				1								
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)				1				2	1			
	120376	NUT, 5/16"-18 (12.9120)											1	
	102635	NUT, 3/8"-16 (12.9120)				1					1			
	117049	NUT, 3/8"-24 (12.9120)								1				

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4.6000A DIPSTICK

PART NUMBER	NAME AND DESCRIPTION	TYPES 640	641	684	685	690	692	696	697	717	732	733	739
	4.6001 - DIPSTICK												
6A **5162934**	+ DIPSTICK (X-23", Y-1.18", Z-20.88")	1											
6A **5109252**	+ DIPSTICK (X-11.00", Y-.62", Z-9.00")		1										
6A **5109256**	+ DIPSTICK (X-16", Y-1.18", Z-14.25")			1									
6A **5145503**	+ DIPSTICK (X-12.50", Y-1.18", Z-11.12")				1								
6B **5145849**	% DIPSTICK (X-10.25", Y-1.36", Z-7.31")					1							
6B **5126144**	% DIPSTICK (X-33.25", Y-1.28", Z-31.10")						1						
6B **5136624**	% DIPSTICK (X-22.38", Y-.76", Z-20.62")							1					
6B **5134382**	% DIPSTICK (X-14.50", Y-.78", Z-12.92")								1				
5136973	+ DIPSTICK (X-30", Y-1.32", Z-26.70")									1			
6A **5132593**	+ DIPSTICK (X-27", Y-.68", Z-25.38")										1		
6A **5179121**	+ DIPSTICK (X-29", Y-1.60", Z-26.36")											1	
6A **5143409**	+ DIPSTICK (X-13 1/4", Y-7/8", Z-9")												1
	+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).												
	% NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).												
	4.6010 - GASKET, DIPSTICK												
5106909	SEAL, .75" L. (RUBBER)	1	1	1	1					1	1	1	1
	4.6020 - GUIDE, DIPSTICK												
6A **5121062**	GUIDE (1 1/8" L.)			1	1	1	1	1	1	1	1	1	
6A **5151430**	GUIDE (1 1/2" L.)		1										1
6A **5135007**	GUIDE (6 1/2" L.)	1											
442324	CONNECTOR, 7/16" INV. FL. TUBE (12.9460)			1									
	4.6030 - ADAPTOR, DIPSTICK												
6A **5139921**	ADAPTOR ASSY. (11.88" DEV. L.)	1											
6A **5139958**	ADAPTOR ASSY. (7.72" DEV. L.)		1										
6A **5139699**	* ADAPTOR (12.10" L.) (5109621)			1									
6A **5109615**	* ADAPTOR (7.16" L.) (5109621)				1								
6B **5108801**	ADAPTOR ASSY. (5.80" L.)					1							
5145786	ADAPTOR ASSY. (29" L.)						1						
6B **5136656**	+ ADAPTOR ASSY. (13" L. DEV. L.)							1					
6B **5139922**	ADAPTOR ASSY. (12.06" DEV. L.)								1				
5109767	ADAPTOR ASSY. (23.44" DEV. L.)									1			

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 640	641	684	685	690	692	696	697	717	732	733	739
		4.6030 - ADAPTOR, DIPSTICK (CONT'D)												
6A	**5140689**	ADAPTOR ASSY. (20.48" DEV. L.)										1		
6A	**5140342**	ADAPTOR ASSY. (20.03" DEV. L.)											1	
6A	**5143777**	ADAPTOR ASSY. (8.43" DEV. L.)												1
	137401	NUT, 1/2 INV. FL. TUBE (12.9460)				1								
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH.												
		+ OBSOLETE.												
		4.6040 - CLIP, DIPSTICK												
	5168001	CLIP (1/2" TUBE) (12.4090)										1	1	
	5153473	CLIP (1/2" TUBE)						1		1	1			
	5114541	BRACKET, CLIP (7.1587)											1	
	5188969	BRACKET, CLIP						1						
	5132060	BRACKET, CLIP									1			
	5173189	BRACKET (9.1591)										1		
	186629	BOLT, 5/16"-18X1" (12.9001)								1				
	181333	BOLT, 5/16"-24X5/8" (12.9001)											1	
	181595	BOLT, 5/16"-24X3/4" (12.9001)									1			
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)						1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)										1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)									1			
	120393	WASHER, 5/16" (12.9190)						1		1			1	
	103341	WASHER, 3/8" (12.9190)										1		
	103320	LOCKWASHER, 5/16" (12.9200)						1		1	1		1	
	103321	LOCKWASHER, 3/8" (12.9200)										1		
	114493	NUT, 5/16"-24 (12.9120)						1			1		1	
	102635	NUT, 3/8"-16 (12.9120)										1		

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4.6000A DIPSTICK

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	741	755	756	761	770	777	784	792	799	808	813
		4.6001 - DIPSTICK												
6A	5139987	+ DIPSTICK (X-27.00", Y-1.32", Z-24.84")	1											
6A	5138867	+ DIPSTICK (X-25.00", Y-1.50", Z-22.60")		1										
6B	5137323	* DIPSTICK (X-12.25", Y-.72", Z-10.64")			1									
6B	5140126	* DIPSTICK (X-14.50", Y-.94", Z-12.81")				1	1							
6B	5148956	DIPSTICK (X-14.50", Y-1.20", Z-12.40")						1						
6A	5139695	DIPSTICK (X-13.70", Y-1.34", Z-7.96")							1					
6B	5143561	* DIPSTICK (X-12", Y-1.12", Z-10.00")								1				
6B	5134382	* DIPSTICK (X-14.50", Y-.78", Z-12.92")									1			
6B	5101541	* DIPSTICK (X-37.75",Y-.44",Z-37.75")										1		
	5135238	* DIPSTICK (X-28.25", Y-1.28", Z-25.94")											1	
6B	5133486	* DIPSTICK (X-27.25", Y-.46", Z-25.94")												1
		+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).												
		* NOT SERVICED; USE 8921987 DIPSTICK KIT (UNMARKED).												
		4.6010 - GASKET, DIPSTICK												
	5106909	SEAL, .75" L. (RUBBER)	1						1					
		4.6020 - GUIDE, DIPSTICK												
6A	5151430	GUIDE (1 1/2" L.)	1	1			1	1				1		1
	5121062	GUIDE (1 1/8" L.)			1	1				1	1			
	5139275	GUIDE (8 5/8" L.)							1					
	5137864	GUIDE (4 3/4" L.)											1	
		4.6030 - ADAPTOR, DIPSTICK												
6A	5140382	ADAPTOR (25.52" DEV. L.)	1											
6A	5140474	ADAPTOR (22.22" DEV. L.)		1										
6B	5148529	ADAPTOR (8.50" DEV. L.)			1	1								
6B	5129306	ADAPTOR (7.42" DEV. L.)					1							
6B	5137671	ADAPTOR (8.20" DEV. L.)						1						
6A	5176773	* ADAPTOR (6.08" DEV. L.) (5109621)							1					
6B	5196780	ADAPTOR (8.48" DEV. L.)								1				
6B	5142469	ADAPTOR (10.72" DEV. L.)									1			
6A	5101531	ADAPTOR (34.78" DEV. L.)										1		
	5101212	ADAPTOR (23.10" DEV. L.)											1	
6B	5101765	ADAPTOR (23.50" DEV. L.)												1
6A	137401	NUT, 1/2" INV. TUBE (12.9460)							1					
		* *NOT SERVICED; USE PART NUMBER IN* PARENTHESES AND CUT TO LENGTH.												
		4.6040 - CLIP, DIPSTICK												
	5153473	CLIP, 1/2" TUBE	1	1										
	5136948	*CLIP, 1/2" TUBE (2.5020)*										1		
6A	5131426	CLIP, 1/2" TUBE											1	
	5151108	CLIP, 1/2" (12.4095)												1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 740	741	755	756	761	770	777	784	792	799	808	813
		4.6040 - CLIP, DIPSTICK (CONT'D)												
	5163503	BRACKET, CLIP (4.3050)		1									1	
	5126112	BRACKET, CLIP (12.6672)	1										1	
	5126530	PLUG, ANCHOR (7.7010)		1									2	
	443606	BOLT, 1/4"—20X3/4" (12.9001)	1											
	181567	BOLT, 1/4"-28X7/8" (12.9001)		1									1	
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1											
	106261	WASHER, 5/16" (12.9190)		1									1	
	120392	WASHER, 3/8" (12.9190)		1										
	103319	LOCKWASHER, 1/4" (12.9200)		1									1	
	103320	LOCKWASHER, 5/16" (12.9200)	1											
	121902	NUT, 1/2"-28 (12.9120)		1									1	
	120375	NUT, 1/4"—20 (12.9120)												

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 828	830	849	898	900	906	908	910	941	956	958	959	982
		4.6001 - DIPSTICK													
6A	5109255	+ DIPSTICK (X-15.00", Y-.62", Z-13.50")	1												
6A	5109256	+ DIPSTICK (X-16.00", Y-1.18", Z-14.25")		1											
6A	5109262	+ DIPSTICK (X-19.00", Y-.80", Z-17.44")			1										
6A	5162934	+ DIPSTICK (X-23.00", Y-1.18", Z-20.88")				1				1					
6A	5162923	+ DIPSTICK (X-14.00", Y-.94", Z-11.88")					1								
6B	5148967	DIPSTICK (X-26.25", Y-1.32", Z-23.57")						1							
6A	5105169	DIPSTICK (X-10.16", Y-.62", Z-8.66")							1						
6A	5162946	+ DIPSTICK (X-30.00", Y-1.32", Z-27.32")									1				1
6A	5109265	+ DIPSTICK (X-21.00", Y-1.30", Z-19.20")										1			
6B	5146632	DIPSTICK (X-45.25", Y-.62", Z-43.38")											1		
6B	5101218	DIPSTICK (X-11.81", Y-.72", Z-10.21")												1	
		+ NOT SERVICED; USE 8921988 DIPSTICK KIT (UNMARKED).													
		4.6010 - GASKET, DIPSTICK													
	5106909	SEAL, .75" L. (RUBBER)	1	1	1	1	1			1	1	1		1	1
		4.6020 - GUIDE, DIPSTICK													
6A	5121062	GUIDE (1 1/8" L.)	1	1	1		1		1	1	1	1		1	1
6A	5151430	GUIDE (1 1/2" L.)				1							1		
6A	5137864	GUIDE (4 3/4" L.)							1						
		4.6030 - ADAPTOR, DIPSTICK													
6A	5109774	ADAPTOR (11.28" DEV. L.)		1											
	5175709	* ADAPTOR (10.20" DEV. L.) (5109621)					1								
	5102712	ADAPTOR (11.70" DEV. L.)	1												
6A	5109778	ADAPTOR (15.04" DEV. L.) (SD-231)							1						
6A	5142125	ADAPTOR (18.30" DEV. L.)				1				1					
6A	5107015	ADAPTOR (25.59" DEV. L.)									1				1
6B	5107994	ADAPTOR (42.93" DEV. L.)											1		
6B	5104795	ADAPTOR ASSY. (15.88" DEV. L.)						1							
6A	5116685	% ADAPTOR ASSY. (15.94" DEV. L.)										1			
6B	5148529	ADAPTOR ASSY. (8.50" DEV. L.)												1	
	137401	NUT, 1/2" INV. FL. TUBE (12.9460)					1								
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO LENGTH.													
		% NOT SERVICED; USE 5109762 PLUS SD-230.													
		4.6040 - CLIP, DIPSTICK													
	5109020	CLIP, 1/2" TUBE				1				1					
	5136948	CLIP, 1/2" TUBE (2.5020)											1		
	5160388	CLIP, 3/8" (2.5070)						1							
	5173022	SUPPORT, CLIP (5.5379)						1							
	5170860	CLIP, 1/2" TUBE							1			1			
	5108249	CLIP, 2 3/8" TUBE (5.2190)									1				
	5153473	CLIP, 1/2"									1				1
	5156404	SPACER, (13/32"X3/4"X1 7/16") (4.8040)				1				1					
	5176408	BRACKET (4.8010)													1
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1							
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				1				1					
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)									1				1
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)													1
	103341	WASHER, 3/8" (12.9190)						2							1
	103321	LOCKWASHER, 3/8" (12.9200)						1							1

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 828	830	849	898	900	906	908	910	941	956	958	959	982
	4.6040	**- CLIP, DIPSTICK (CONT'D)**													
	103320	LOCKWASHER, 5/16" (12.9200)									1				1
	102635	NUT, 3/8"-16 (12.9120)						1							1
	120376	NUT, 5/16"-18 (12.9120)									1				

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 990	1048	1050	1051	1052	1070	1071	1072	1073	1074	1120	1121	1131
		4.6001 - DIPSTICK													
6A	**5162941**	* DIPSTICK (X-28.00", Y-1.18", Z-25.68")	1					1		1	1	1			
6A	**5162836**	* DIPSTICK (X-25.00", Y-1.16", Z-22.94")		1											
6A	**5162944**	* DIPSTICK (X-29.00", Y-.66", Z-27.32")			1									1	
6A	**8921072**	DIPSTICK (X-16.00", Y-1.42", Z-13.95")				1									
6B	**5117792**	% DIPSTICK (X-13.00", Y-1.10", Z-10.95")					1								
6A	**5139623**	* DIPSTICK (X-27.25", Y-1.00", Z-25.94")							1						
6A	**5162667**	DIPSTICK (X-26.32", Y-1.46", Z-23.46")											1		
	5132593	* DIPSTICK (X-27.00", Y-.68", Z-25.38")													1
		* NOT SERVICED, USE 5146680 DIPSTICK KIT (UNMARKED).													
		% NOT SERVICED, USE 5146679 DIPSTICK KIT (UNMARKED).													
		4.6010 - GASKET, DIPSTICK													
	5106909	SEAL, .75" L. (RUBBER)	1							1	1	1			
		4.6020 - GUIDE, DIPSTICK													
6A	**5121062**	GUIDE (1 1/8" L.)		1	1	1	1		1	1	1	1	1	1	1
6A	**5137864**	GUIDE (4 3/4" L.)											1		
		4.6030 - ADAPTOR, DIPSTICK													
6A	**5140888**	+ ADAPTOR ASSY. (23.14" DEV. L.)	1												
6A	**5140342**	ADAPTOR ASSY. (20.08" DEV. L.)		1									1		
6A	**5130247**	ADAPTOR ASSY. (24.64" DEV. L.)			1										
6A	**5109774**	ADAPTOR ASSY. (11.28" DEV. L.)				1									
6A	**5137671**	ADAPTOR ASSY. (8.20" DEV. L.)					1								
6A	**8922384**	ADAPTOR ASSY. (23.40" DEV. L.)						1							
6A	**8921154**	ADAPTOR ASSY. (23.20" DEV. L.)							1						
6A	**8921152**	ADAPTOR ASSY. (23.19" DEV. L.)								1					
6A	**8921153**	ADAPTOR ASSY. (23.37" DEV. L.)									1				
6A	**5132411**	ADAPTOR ASSY. (24.88" DEV. L.)												1	
	5140689	ADAPTOR ASSY. (20.48" DEV. L.)													1
	442324	= CONNECTOR, 7/16" INV. FL. TUBE, 1/4"-18 (12.9460)	1												
		+ NOT SERVICED, FOR SERVICE USE 8921153 ADAPTOR ASSY. PLUS 1-5121062 GUIDE AND 1-5153473 CLIP.													
		= OBSOLETE.													
		4.6040 - CLIP, DIPSTICK													
	5134552	BRACKET (7.1587)	1									1			
	5144629	BRACKET		1											
	5166565	BRACKET, CLIP (9.1591)			1										
	5114541	BRACKET, CLIP (7.1585)								1	1		1		
	5130913	BRACKET, CLIP (7.4597)						1							
	5161873	CLIP, 7/16" (7.4412)	1												
	5153473	CLIP, 1/2"						1		1	1	1			
	5131426	CLIP, 1/2"		1											
	140582	CLIP, 1/2" (12.9630)			1										
	5170860	CLIP, 1/2" TUBE 3/8" BOLT												1	
	5129435	CLIP, 1"							1						
	5153473	CLIP, 1/2"								1					
	5168001	CLIP, 1/2" (12.4095)											1		
	5109020	CLIP, 1/2"													1
	181333	BOLT, 5/16"-24 X 5/8" (12.9001)	1								1	1	1		

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 990	1048	1050	1051	1052	1070	1071	1072	1073	1074	1120	1121	1131
		4.6040 - CLIP, DIPSTICK (CONT'D)													
	122223	BOLT, 7/16"-14X5/8" (12.9001)		1											
	106284	BOLT, 3/8"-24X5/8" (12.9001)			1										
	179837	BOLT, 3/8"-16X3/4" (12.9001)		1	1			1							1
	8927580	BOLT, 3/8"-16X1.015" (12.9001)								1					
	100001	BOLT, 1/4"-28X3/4" (12.9001)								2					
	120392	WASHER, 1/4" (12.9190)									2	2	1		1
	120393	WASHER, 5/16" (12.9190)	2												
	103341	WASHER, 3/8" (12.9190)									1	1	1		
	103320	LOCKWASHER, 5/16" (12.9200)	1												
	103322	LOCKWASHER, 7/16" (12.9200)		1											1
	103321	LOCKWASHER, 3/8" (12.9200)		1	2			1							
	103319	LOCKWASHER, 1/4" (12.9200)								1					
	114493	LOCKNUT, 5/16"-24 (2.7170)	1								1	1	1		
	103026	NUT, 3/8"-24 (12.9120)			1										1
	102635	NUT, 3/8"-16 (12.9120)		1				1							
	121902	NUT, 1/4"-28 (12.9120)								1					

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4.6000A DIPSTICK

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1138	1141	1142	1160
		4.6001 - DIPSTICK				
	8926489	DIPSTICK (X-41.32", Y-.50", Z-39.88")	1			
	8926383	DIPSTICK (X-29.25", Y-1.75", Z-26.45")		1		
	5139623	* DIPSTICK (X-27.25", Y-1.00", Z-25.94")			1	
6B	8928641	DIPSTICK (X-78.34", Y-.54", Z-27.05")				1
		* NOT SERVICED, USE 8921988 DIPSTICK (UNMARKED).				
		4.6020 - ADAPTOR, DIPSTICK				
	5121062	GUIDE (1 1/8" L.)			1	
	5151430	GUIDE (1 1/2" L.)	1	1		
		4.6030 - ADAPTOR, DIPSTICK				
	8926488	ADAPTOR ASSY., 39.18" DEV. L. (INCLUDES NUT IN 4.6030)	1			
	8926384	ADAPTOR ASSY., 27.54" DEV. L. (INCLUDES NUT IN 4.6030)		1		
6B	8928640	ADAPTOR ASSY., 23.3" DEV. L.				1
	8921154	ADAPTOR, 23.20" DEV. L.			1	
	137401	NUT, 1/2" INV. FL. TUBE (12.9460)	1	1		
		4.6040 - CLIP, DIPSTICK				
	5168001	CLIP, 1/2" (12.4090)		1		
	5153473	CLIP, 1/2"			1	
	5136948	CLIP, 1/2" (2.5020)				1
	5144629	BRACKET, CLIP			1	
	179837	BOLT, 3/8"-16X3/4" (12.9001)			1	
	103321	LOCKWASHER, 3/8" (12.9200)			1	
	102635	NUT, 3/8"-16 (12.9120)			1	

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	108	109	110	114	115	116	124	128	130	139	145
		4.7001 - PAN, OIL												
7A	5121041	* PAN, 4-53 CAST (SD-115)	1						1					
7A	5123543	# PAN, 3-53 CAST		1				1						
7B	5144592	PAN, 3-53 STAMPED		1				1		1				
7B	5143996	& PAN, 2-53 STAMPED			1		1							
7A	5123542	# PAN, 2-53 CAST			1		1							
7B	5121195	PAN, 2-53 STAMPED				1				1				
7A	5123546	# PAN, 3-53 CAST									1			
7A	5119499	= PAN, 2-53 CAST										1		
7A	5123904	PAN, 3-53 ALUMINUM												1
7B	5125798	% PAN, 4-53 STAMPED												
7B	189691	BOLT, 5/16"-18X3/4"(W/LW) (12.9001)		20	16		16	20		20				24
	5148437	BOLT, 5/16"-18X1" (W/LW) (12.9001)				16								
7A	5148438	BOLT, 5/16"-18X1 1/4" (W/LW) (12.9001)	24	20	16		16	20	24	20	16	20		
		# NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO SUBSTITUTE BOLT 189691 IN PLACE OF 189700.												
		& NOT SERVICED; USE 5147383 PLUS 1-5142549 PLUG.												
		% NOT SERVICED. USE 5196848 OIL PAN AND INCLUDE (3) 5142549, (2) 5115214, (2) 5138621 PLUGS AND (1) 840277 GASKET.												
		* NOT SERVICED; USE 5196848 OIL PAN AND INCLUDE(1) 5140799, (1) 5116257, (24) 5148437 AND SD-115.												
		= OBSOLETE												
		4.7010 - PAN, OIL - UPPER												
	5124566	PAN, 4-53											1	
	5148438	BOLT, 5/16"-18X1 1/4" (W/LW) (12.9001)											24	
		4.7020 - PAN, OIL - LOWER												
	5125149	PAN, 4-53											1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											12	
	103321	LOCKWASHER, 3/8" (12.9200)											12	
		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	5196060	GASKET SET, 4-53	1						1				1	
7A	5196059	GASKET SET, 3-53		1				1		1		1		
7A	5196058	GASKET SET, 2-53			1		1				1			

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	108	109	110	114	115	116	124	128	130	139	145
		4.7030 - GASKET, OIL PAN TO BLOCK (CONT'D)												
7A	5116256	GASKET, 3-53		1				1		1				
7A	5116255	GASKET, 2-53			1	1	1							
7A	5116257	GASKET, 4-53					1							1
		4.7040 - GASKET, LOWER OIL PAN												
	5125201	GASKET, 4-53											1	
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
7A	5121182	PLUG, 1/4" PIPE (2.4015)	3							2				
7A	5145014	PLUG, 3/8" PIPE SQ. HD. (12.9550)					1	1	1					
7A	8923313	PLUG, 3/4" PIPE SQ. HD. (12.9550)	1	1	1	1				1	1		1	1
	5173335	PLUG, 3/4" PIPE (COUNTERSUNK HEAD)								1				
		4.7100 - TUBE, OIL PAN DRAIN												
	5112605	TUBE ASSY. (FLEX.)					1	1	1					
	5138542	@ HOSE, #12 X 9 1/2" L.									1			
	5129157	@ # HOSE, #8 X 21" L. (8.3830)	1							1				
	5185996	PIPE ASSY.									1			
	5121023	CAP (DIPSTICK) (4.6001)									1			
	187396	@ COUPLING, 3/8" PIPE (12.9580)	1							1				
	144094	COUPLING, 1" X 3/4" RED. (9.9530)									1			
	5121825	FITTING, 1/2" HOSE (12.4090)	2							2				
	5121190	FITTING, 3/4" EXT. PIPE HOSE									2			
	142269	@ BUSHING, 1/2"X3/8" RED. (12.9570)	1							1				
	142767	@ BUSHING, 3/4"X3/8" RED. (12.9570)	1							1				
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)					1	1	1					
	111316	@ ELBOW, 3/8" STREET 90 DEG. (12.9590)	1							1				
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9550)					1	1	1					
	112304	@ PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)	1							1				
	219754	NUT, 7/8"-14 (12.9120)					1	1	1					
		@ MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												
		# STD. LENGTH, HOSE CUT TO LENGTH SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	@ CLIP, 3/4" (4.8040)	1							1				
	186627	@ BOLT, 3/8"-24X1" (12.9001)	1							1				
	103321	@ LOCKWASHER, 3/8" (12.9200)	1							1				

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 106	108	109	110	114	115	116	124	128	130	139	145
		4.7101 - CLIP, OIL PAN DRAIN TUBE (CONT'D)												
	117049	@ NUT, 3/8"-24 (12.9120)	1							1				
		@ MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												
		4.7112 - BRACKET, OIL PAN DRAIN TUBE												
	5173022	@ BRACKET	1							1				
		@ MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 146	147	148	149	152	153	154	157	161	162	172
		4.7001 - PAN, OIL											
7B	5144592	PAN, 3-53 STAMPED							1				
7A	5127913	PAN, 6V-53 ALUMINUM	1										
7B	5126689	PAN, 4-53 STAMPED		1						1			
7B	5126690	PAN, 3-53 STAMPED			1						1		
7B	5125762	@ PAN, 3-53 STAMPED				1							
7A	5162898	# PAN, 4-53 CAST					1						
7B	5143995	& PAN, 4-53 STAMPED					1						
7A	5126741	= PAN, 4-53 CAST						1					
7A	5126740	# PAN, 3-53 CAST							1				
7B	5126465	PAN, 3-53 STAMPED										1	
7B	5126268	% PAN, 4-53 STAMPED											1
7B	189691	BOLT, 5/16"-18X3/4"(W/LW) (12.9001)		24	20	20	24		20		20		24
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)								24			
7A	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)					24	24	20			24	
7A	5148439	BOLT, 5/16"-18X1 3/8" (W/LW)	22										

@ NOT SERVICED. USE TYPE 251 OIL PAN AND TYPE 253 DIPSTICK.

NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN SAME TYPE, ALSO SUBSTITUTE BOLT 189691 IN PLACE OF 189700.

& NOT SERVICED. USE 5144593 OIL PAN AND INCLUDE (2) 5145012 PLUGS AND (2) 5142549 PLUGS.

% NOT SERVICED. USE TYPE 116 OIL PAN, TYPE 131 DIPSTICK AND 5123367 (FRONT SUMP) OR 5123368 (REAR SUMP) OIL PAN INLET PIPE.

= OBSOLETE

FIG	PART NUMBER	NAME AND DESCRIPTION	146	147	148	149	152	153	154	157	161	162	172
		4.7030 - GASKET, OIL PAN TO BLOCK											
7A	5196060	GASKET SET, 4-53					1	1					
7A	5196059	GASKET SET, 3-53							1			1	
7A	5196061	GASKET SET, 6V-53	1										
7A	5116256	GASKET, 3-53			1	1			1		1		
7A	5116257	GASKET, 4-53		1			1			1			1
		4.7080 - PLUG, OIL PAN DRAIN											
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.											
7A	5121182	PLUG, 1/4" PIPE (2.4015)						3	2				
7A	5103186	* PLUG, 1/2" PIPE HEX. HD. (12.9550)	1										
7A	5115214	PLUG, 1/2" PIPE SQ. HD. (12.9550)	1	2	2			3	2	5	2	1	

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 146	147	148	149	152	153	154	157	161	162	172
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)											
7A	8923313	@ PLUG, 3/4" PIPE SQ. HD. (12.9550)	1			1	1	1	1				2
7A	5103187	* PLUG, 3/4" PIPE HEX. HD. (12.9550)	1										
	5178994	@ PLUG, 3/4" PIPE (MAGNETIC)				1							
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)		1	1					1	1		
	840277	WASHER (18 MM.)		1	1					1	1		
		* OPTIONAL USAGE FOR TYPE 146.											
		@ OPTIONAL USAGE FOR TYPE 149, OR TYPE 157.											
		4.7100 - TUBE, OIL PAN DRAIN											
	5129157	# & HOSE, #8 X 21" L. (8.3830)	1										1
	187396	# COUPLING, 3/8" PIPE (12.9580)	1										1
	5121825	FITTING, 1/2" HOSE (12.4090)	2										2
	142269	# BUSHING, 1/2"X3/8" RED. (12.9570)	1										1
	142767	# BUSHING, 3/4"X3/8" RED. (12.9570)	1										1
	111316	# ELBOW, 3/8"-90 DEG. STREET (12.9590)	1										1
	112304	# PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)	1										1
		# MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											
		& STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		4.7101 - CLIP, OIL PAN DRAIN TUBE											
	5151189	# CLIP, 3/4" (4.8040)	1										1
	186627	# BOLT, 3/8"-24X1" (12.9001)	1										1
	103321	# LOCKWASHER, 3/8" (12.9200)	1										1
	117049	# NUT, 3/8"-24 (12.9120)	1										1
		# MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											
		4.7112 - BRACKET, OIL PAN DRAIN TUBE											
	5173022	# BRACKET	1										1
		# MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 173	178	179	204	208	207	209	213	217	221	222	225
		4.7001 - PAN, OIL												
7B	**5126269**	* PAN, 4-53 STAMPED	1											
7B	**5126266**	@ PAN, 3-53 STAMPED		1										
7B	**5126267**	@ PAN, 3-53 STAMPED			1									
7B	**5128036**	# PAN, 3-53 STAMPED				1								
7A	**5126448**	PAN, 4-53 CAST					1							
7A	**5126449**	PAN, 4-53 CAST						1						
7A	**5127986**	= PAN, 2-53 CAST							1					
7B	**5100157**	& PAN, 4-53 STAMPED								1				
7A	**5129677**	PAN, 6V-53 CAST									1			
7B	**5108712**	PAN, 4-53 STAMPED										1		
7B	**5109239**	% PAN, 4-53 STAMPED											1	
7B	**5109459**	+ PAN, 3-53 STAMPED												1
7A	**5148436**	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)	24	20	20	20				24				20
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)										24	24	
7A	**5148438**	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)					24	24	16		22			

* NOT SERVICED, USE TYPE 116 OIL PAN, TYPE 131 DIPSTICK AND 5123367 (FRONT SUMP) OR 5123368 (REAR SUMP) OIL PUMP INLET TUBE.
@ NOT SERVICED, USE TYPE 124 OIL PAN AND TYPE 131 DIPSTICK.
NOT SERVICED, USE TYPE 329 OIL PAN, TYPE 235 OIL DISTRIBUTION AND TYPE 253 DIPSTICK.
& NOT SERVICED, USE TYPE 221 OIL PAN, TYPE 230 OIL DISTRIBUTION AND TYPE 256 DIPSTICK.
% NOT SERVICED, USE 5196848, PLUS (3) 5143449 PLUG, (1) 5138621 PLUG AND (1) 5138620 GASKET.
+ NOT SERVICED, USE 5146360 AND INCLUDE (1) 5142549 PLUG.
= OBSOLETE.

		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	**5116256**	GASKET, 3-53		1	1	1								1
7A	**5116257**	GASKET, 4-53	1							1		1	1	
7A	**5196060**	GASKET SET, 4-53					1	1						
7A	**5196058**	GASKET SET, 2-53							1					
7A	**5196061**	GASKET SET, 6V-53									1			
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
7A	**5145014**	PLUG, 3/8" PIPE (12.9550)					1	1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 173	178	179	204	206	207	209	213	217	221	222	225
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)												
7A	5115214	PLUG, 1/2" PIPE (12.9550)								1		2	2	5
7A	8923313	PLUG, 3/4" PIPE (12.9550)	2	2	2	1	1	1	1	3	3		1	
	5103187	# PLUG, 3/4" PIPE HEX. HD. (12.9550)									1			
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)										1		1
	840277	WASHER (18 MM) (4.7090)										1		1
		# OPTIONAL USAGE FOR TYPE 217.												
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* @ HOSE, #8 X 21" L. (8.3830)	1	1	1		1	1						
	5138542	@ HOSE, #12 X 9 1/2" L. (12.4375)							1					
	5185996	PIPE ASSY.							1					
	5128565	CAP (DIPSTICK)							1					
	187396	* COUPLING, 3/8" (12.9580)	1	1	1		1	1						
	144094	COUPLING, 1"X3/4" (12.9580)							1					
	5121825	* FITTING, 1/2" HOSE, 3/8" P.T. (12.4090)	2	2	2		2	2						
	5121190	FITTING, 3/8" P.T. HOSE							2					
	111316	* ELBOW, 3/8" STREET 90 DEG. (12.9590)	1	1	1		1	1						
	112304	* PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)	1	1	1		1	1						
	8923313	PLUG, 3/4" PIPE (12.9550)							1					
	142269	* BUSHING, 1/2"X3/8" RED. (12.9570)	1	1	1		1	1						
	142767	* BUSHING, 3/4"X3/8" RED. (12.9570)	1	1	1		1	1						
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												
		@ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	* CLIP, 3/4" (4.8040)	1	1	1		1	1						
	186627	* BOLT, 3/8"-24X1" (12.9001)	1	1	1		1	1						
	103321	* LOCKWASHER, 3/8" (12.9200)	1	1	1		1	1						
	117049	* NUT, 3/8"-24 (12.9120)	1	1	1		1	1						
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												
		4.7112 - BRACKET, OIL PAN DRAIN TUBE												
	5173022	* BRACKET (5.5379)	1	1	1		1	1						
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.												

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 173	178	179	204	206	207	209	213	217	221	222	225
		4.7120 - COVER, OIL PAN												
	5126496	COVER					1	1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)					14	14						
	103321	LOCKWASHER, 5/16" (12.9200)					14	14						
		4.7130 - GASKET, OIL PAN COVER												
	5126497	GASKET					1	1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	229	231	234	235	236	237	241	244	245	246
		4.7001 - PAN, OIL											
7B	**5109281**	= PAN, 6V-53 STAMPED	1										
7B	**5144593**	PAN, 4-53 STAMPED		1									1
7A	**5109091**	+ PAN, 4-53 CAST		1									
7A	**5109162**	PAN, 6V-53 CAST			1								
7A	**5137298**	PAN, 6V-53 CAST				1							
7B	**5173795**	PAN, 6V-53 STAMPED							1				
	5162748	$ PAN, 4-53 CAST					1						
7A	**5146850**	* PAN, 6V-53 CAST								1			
7B	**5173864**	@ PAN, 3-53 STAMPED									1		
7B	**5173859**	# PAN, 4-53 STAMPED										1	
7A	**5109090**	+ PAN, 4-53 CAST											1
	5115214	PLUG, 1/2" PIPE (12.9550)								4			
	8923313	PLUG, 3/4" PIPE (12.9550)								2			
7A	**5148436**	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)	22	24									24
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)							22		22	24	
7A	**5148438**	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)		24									24
	179822	BOLT, 5/16"-18 X 1 1/2" (12.9001)			4								
7A	**5148439**	BOLT, 5/16"-18X1 3/4" (W/LW)			18	22				22			
	103320	LOCKWASHER, 5/16" (12.9200)			4								
		+ NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN TYPE, . ALSO SUBSTITUTE BOLT 189691 IN PLACE OF 189700.											
		* NOT SERVICED, USE 5137298.											
		# NOT SERVICED, USE 5196848 AND INCLUDE (3) 5142549 PLUGS, (1) 5115211 PLUG.											
		= NOT SERVICED, USE 5173795 AND INCLUDE (2) 5115214 PLUGS.											
		@ NOT SERVICED, USE 5196847, 2-5142549, 1-5115214.											
		$ OBSOLETE.											
		4.7010 - PAN, OIL-UPPER											
	5109168	@ PAN (CAST IRON)						1					
	5148438	BOLT, 5/16"-18X1 1/4"(W/LW) (12.9001)					24						
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)						22					
	103320	LOCKWASHER, 5/16" (12.9200)						22					
		@ OBSOLETE.											
		4.7020 - PAN, OIL-LOWER											
	5162680	PAN, 4-53					1						
	5125149	PAN, 6V-53						1					
	180120	BOLT, 3/8"-16X3/4" (12.9001)					12						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						12					
	103321	LOCKWASHER, 3/8" (12.9200)					12	12					

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	229	231	234	235	236	237	241	244	245	246
		4.7030 - GASKET, OIL PAN TO BLOCK											
7A	**5116256**	GASKET, 3-53									1		
7A	**5116257**	GASKET, 4-53		1								1	1
	5119266	GASKET, 6V-53	1						1				
7A	**5196060**	GASKET SET, 4-53		1			1						1
7A	**5196061**	GASKET SET, 6V-53			1	1		1		1			
		4.7040 - GASKET, LOWER OIL PAN											
	5125201	GASKET					1	1					
		4.7080 - PLUG, OIL PAN DRAIN											
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.											
	5121182	PLUG, 1/4" PIPE (2.4015)			1								
7A	**5145014**	PLUG, 3/8" PIPE (12.9550)			2	2							
7A	**5115214**	PLUG, 1/2" PIPE (12.9550)				2			7	1	2	1	
	5146891	PLUG, 1/2" PIPE SQ. HD. MAGNETIC							1				
7A	**8923313**	PLUG, 3/4" PIPE (12.9550)		2			1	1		2	1	1	2
	5103187	PLUG, 3/4" PIPE HEX. HD. (12.9550)				2							
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)	1										
	840277	WASHER (18 MM) (4.7090)	1										
		4.7100 - TUBE, OIL PAN DRAIN											
	5129157	* @ HOSE, #8 X 21" L. (8.3830)			1	1							
	187396	* COUPLING, 3/8" (12.9580)			1	1							
	5121825	* FITTING, 1/2" HOSE, 3/8" P.T. (12.4090)			2	2							
	111316	* ELBOW, 3/8"-90 DEG. STREET (12.9590)			1	1							
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)							1				
	112304	* PLUG, 3/8" SQ. HD. BRASS (12.9550)			1	1							
	142269	* BUSHING, 1/2"X3/8" RED. (12.9570)			1	1							
	142767	* BUSHING, 3/4"X3/8" RED. (12.9570)			1	1							
	8924163	BUSHING, 3/4"-1/2" RED. (12.9570)							1				
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											
		@ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		4.7101 - CLIP, OIL PAN DRAIN TUBE											
	5151189	* CLIP, 3/4" TUBE (4.8040)			1	1							
	186627	* BOLT, 3/8"-24X1" (12.9001)			1	1							
	103321	* LOCKWASHER, 3/8" (12.9200)			1	1							

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	229	231	234	235	236	237	241	244	245	246
		4.7101 - CLIP, OIL PAN DRAIN TUBE (CONT'D)											
	117049	* NUT, 3/8"-24 (12.9120)			1	1							
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											
		4.7112 - BRACKET, OIL PAN DRAIN TUBE											
	5173022	* BRACKET (5.5379)			1	1							
		* MARINE MODELS ONLY, EFFECTIVE WITH 3D-1897, 4D-2877, 6D-474.											

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 247	250	251	253	260	261	264	267	272	273	274	277
		4.7001 - PAN, OIL												
7B	5143995	@ PAN, 4-53 STAMPED	1											
7A	5162898	= PAN, 4-53 CAST	1											
7B	5109234	PAN, 4-53 STAMPED		1										
7B	5109907	* PAN, 3-53 STAMPED			1									
7A	5129677	PAN, 6V-53 CAST				1							1	
7B	5130558	+ PAN, 3-53 STAMPED					1							
7A	5162856	PAN, 4-53 CAST						1						
7A	5162855	PAN, 4-53 CAST							1					
7B	5130786	PAN, 4-53 STAMPED								1				
7B	5130785	# PAN, 6V-53 STAMPED									1			
7B	5130784	& PAN, 6V-53 STAMPED										1		
7B	5131632	% PAN, 4-53 STAMPED (USE TYPE 297)												1
7A	5148436	BOLT, 5/16"-18 X 3/4" (W/LW) (4.7120)PY4.7000A-300-4	24				20							20
7A	5148437	BOLT, 5/16"-18X1"(W/LW) (12.9001)		24	20					24	22	22		
7A	5148439	BOLT, 5/16"-18X1 3/8" (W/LW) (12.9001)	24			22		24	24				22	
		@ NOT SERVICED, USE 5144593 AND INCLUDE (2) 5115214 PLUGS AND (2) 5142549 PLUGS.												
		= NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN TYPE, ALSO SUBSTITUTE BOLT 189691 IN PLACE OF 5189700.												
		* NOT SERVICED, USE 5146360 AND INCLUDE (3) 5115214 PLUGS.												
		# NOT SERVICED, USE 5142310 AND INCLUDE (3) 5115214 AND (1) 5142549 PLUGS.												
		& NOT SERVICED, USE 5130785 PLUS (1) 5115214 PLUG.												
		% NOT SERVICED, CONVERT TO TYPE SHOWN.												
		+ OBSOLETE												
		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	5116257	GASKET, 4-53	1	1						1				
7A	5116256	GASKET, 3-53			1		1							1
7A	5119266	GASKET, 6V-53									1	1		
7A	5196060	GASKET SET, 4-53	1					1	1					
7A	5196061	GASKET SET, 6V-53				1							1	
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)		1			1			1				

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 247	250	251	253	260	261	264	267	272	273	274	277
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)												
	5138456	PLUG, 18MM. X 1.5MM. THD. (MAGNETIC)									1			
	5121182	PLUG, 1/4" PIPE SQ. HD. (2.4015)						1	1					
7A	5145014	PLUG, 3/8" PIPE SQ. HD. (12.9550)						1	1					
	5115214	PLUG, 1/2" PIPE SQ. HD. (12.9550)		2		1				3	2	1	2	1
	5146309	PLUG, 1/2" PIPE (MAGNETIC)									1			
7A	8923313	PLUG, 3/4" PIPE (12.9550)	1		1	2								1
7A	5178994	PLUG, 3/4" PIPE (MAGNETIC)	1			3							1	
7A	5103187	PLUG, 3/4" PIPE HEX. HD. (12.9550)				1								
	840277	WASHER (18 MM) (4.7090)		1			1			1				
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* HOSE, #8 X 21" L. (8.3830)						1	1					
	187396	COUPLING, 3/8" PIPE (12.9580)						1	1					
	5121825	FITTING, 1/2" HOSE (12.4090)						2	2					
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)						1	1					
	112304	PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)						1	1					
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	CLIP, 3/4" TUBE (4.8040)						1	1					
	186627	BOLT, 3/8"-24X1" (12.9001)						1	1					
	103321	LOCKWASHER, 3/8" (12.9200)						1	1					
	117049	NUT, 3/8"-24 (12.9120)						1	1					
		4.7112 - BRACKET, OIL PAN DRAIN TUBE												
	5173022	BRACKET (5.5379)						1	1					

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 279	285	289	293	294	296	297	298	312	315	316	321
		4.7001 - PAN, OIL												
7B	5131571	* PAN, 3-53 STAMPED	1											
7B	5131850	@ PAN, 3-53 STAMPED (USE TYPE 298)		1										
7A	5132109	+ PAN, 3-53 CAST			1									
7A	5132173	? PAN, 3-53 CAST				1								
7A	5132172	? PAN, 3-53 CAST					1							
7A	5134037	PAN, 2-53 CAST						1						
7A	5132450	% PAN, 3-53 CAST							1					
7A	5132374	= PAN, 3-53 CAST								1				
7B	5133511	# PAN, 4-53 STAMPED									1			
7A	5132826	@ PAN, 8V-53 CAST (USE TYPE 334)										1		
7A	5132595	PAN, 4-53 CAST											1	
7A	5133287	PAN, 4-53 CAST												1
7A	5148436	BOLT, 5/16"-18 X 3/4" (W/LW) (4.7120)	20	20										
7A	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)									24			
7A	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)			20	20	20	16	20	20			24	24
7A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)										22		
7A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)										4		
7A	272545	BOLT, 5/16"-18X5 1/4" (12.9001)										1		
	103320	LOCKWASHER, 5/16" (12.9200)										27		
		* NOT SERVICED, CONVERT TO TYPE 530 AND INCLUDE TYPE 370 OIL DISTRIBUTION FOR FRONT SUMP APPLICATIONS ONLY.												
		@ NOT SERVICED, CONVERT TO TYPE SHOWN.												
		# NOT SERVICED, USE 519688 PLUS (2) 5142549 AND 5115214 PLUGS.												
		+ NOT SERVICED, USE 5144592 PLUS 5126212, 5116256 AND (20) 5148437.												
		% NOT SERVICED, USE 5144229 PLUS (3) 5142549, AND (2) 5115214.												
		? OBSOLETE.												
		= NOT SERVICED, USE 5144229 PLUS (3) 5102982, AND (2) 5115214.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	5116257	GASKET, 4-53									1			
7A	5116256	GASKET, 3-53	1	1										
7A	5196060	GASKET SET, 4-53											1	1
7A	5196059	GASKET SET, 3-53			1	1	1		1	1				
7A	5196058	GASKET SET, 2-53						1						
7A	5198187	GASKET SET, 8V-53										1		
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
	5138621	PLUG, 18MM. X 1.5MM. THD. (4.7090)		1										

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 279	285	289	293	294	296	297	298	312	315	316	321
		(CONT'D) UG, OIL PAN DRAIN												
	5146309	PLUG, 1/2" PIPE (MAGNETIC)									1			
7A	**5145014**	PLUG, 3/8" PIPE SQ. HD. (12.9550)				1	1							
7A	**5115214**	PLUG, 1/2" PIPE SQ. HD. (12.9550)							1	1				
7A	**8923313**	PLUG, 3/4" PIPE SQ. HD. (12.9550)	2			1	1	1	1	1	1	1	1	1
7A	**5103185**	PLUG, 1" PIPE SQ. HD. (12.9550)			1									
	840277	WASHER (18 MM) (4.7090)		1										
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* HOSE, #8 X 21" L. (8.3830)				1	1							
	187396	COUPLING, 3/8" PIPE (12.9580)				1	1							
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				1	1							
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)				1	1							
	5121825	FITTING, 1/2" HOSE 3/8" P.T. (12.4090)				2	2							
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9390)				1	1							
	112304	PLUG, 3/8" PIPE SQ. HD. (12.9550)				1	1							
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	CLIP, 3/4" TUBE (4.8040)				1	1							
	186627	BOLT, 3/8"-24X1" (12.9001)				1	1							
	103321	LOCKWASHER, 3/8" (12.9200)				1	1							
	117049	NUT, 3/8"-24 (12.9120)				1	1							
		4.7112 - BRACKET, OIL PAN DRAIN TUBE												
	5173022	BRACKET (5.5379)				1	1							
		4.7120 - COVER, OIL PAN												
	5132352	* COVER				1	1							
	5162680	COVER											1	
	8923313	PLUG, 3/4" PIPE SQ. HD. (12.9550)											1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)				12	12							
	180120	BOLT, 3/8"-16X3/4" (12.9001)											12	
	103320	LOCKWASHER, 5/16" (12.9200)				12	12							
	103321	LOCKWASHER, 3/8" (12.9200)											12	
		* OBSOLETE.												
		4.7130 - GASKET, OIL PAN COVER												
	5132362	+ GASKET				1	1							
	5125201	GASKET (4.7040)											1	
		+ OBSOLETE												

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4.7000A OIL PAN

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 323	324	325	327	329	332	333	334	335	336	337	338
		4.7001 - PAN, OIL												
		FOR TYPE 328 USE TYPE 590.												
7A	**5134236**	* PAN, 8V-53 CAST (USE TYPE 333)	1											
7A	**5133617**	* PAN, 8V-53 CAST (USE TYPE 335)		1										
7B	**5131076**	PAN, 3-53 STAMPED			1									
7A	**5134485**	* PAN, 8V-53 CAST (USE TYPE 338)				1								
7B	**5109906**	@ PAN, 3-53 STAMPED					1							
7B	**5135446**	& PAN, 6V-53 STAMPED						1						
7A	**5135551**	PAN, 8V-53 CAST							1					
7A	**5134635**	% PAN, 8V-53 CAST (5135659)								1				
7A	**5134590**	% PAN, 8V-53 CAST (5135659)									1			
7A	**5134788**	% PAN, 8V-53 CAST (5135556)										1		
7A	**5134037**	PAN, 2-53 CAST											1	
7A	**5134641**	PAN, 8V-53 CAST												1
	5148436	BOLT, 5/16"-18X3/4"(W/LW) (4.7120)			20									
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3200)					20	22						
	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)											16	
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)	22	22		22			22	22	20	22		22
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	4	4		4			2	2		2		2
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	1	1		1			3	3	14	3		3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							2	2	2	2		
	103320	LOCKWASHER, 5/16" (12.9200)	27	27		27			27	27	27	27		27
	103321	LOCKWASHER, 3/8" (12.9200)							2	2	2	2		
		* NOT SERVICED; CONVERT TO TYPE SHOWN.												
		@ NOT SERVICED; USE 5196847 PLUS 2-5142549 AND 3-5115214 PLUGS.												
		& NOT SERVICED; USE 5173795.												
		% NOT SERVICED; USE OIL PAN IN PARENTHESES PLUS (1) NEW FLYWHEEL HOUSING AND 1-5115214 PLUG. OLD FLYWHEEL HOUSING 5134132, 5134722 OR 5132844 TO BE REPLACED BY NEW FLYWHEEL HOUSING 5135608, 5135787 OR 5135961 RESPE CTIVELY.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	**5116256**	GASKET, 3-53			1		1							
7A	**5119266**	GASKET, 6V-53						1						
7A	**5198187**	GASKET SET, 8V-53	1	1		1			1	1	1	1		1
7A	**5196058**	GASKET SET, 2-53											1	
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
7A	**5138621**	PLUG, 18MM. X 1.5MM. (4.7090)						1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 323	324	325	327	329	332	333	334	335	336	337	338
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)												
	5121182	PLUG, 1/4" PIPE SQ. HD. (2.4015)				1								
7A	**5145014**	PLUG, 3/8" P.T. (12.9550)				3								3
	5115214	PLUG, 1/2" PIPE SQ. SKT. HD. (12.9550)	1	1		1		2	1	1	1	1		
7A	**8923313**	PLUG, 3/4" P.T. (12.9550)	1	1	3		3	2	1	1	1	1	1	
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
	840277	WASHER (18MM.)						1						
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* HOSE, #8 X 21" L. (8.3830)				1								1
	187396	COUPLING, 3/8" PIPE (12.9580)				1								1
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				1								1
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)				1								1
	5121825	FITTING, 1/2" HOSE, 3/8"P.T. (12.4090)				2								2
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9390)				1								1
	112304	PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)				1								1
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	CLIP, 3/4" TUBE (4.8040)				1								1
	186627	BOLT, 3/8"-24X1" (12.9001)				1								1
	103321	LOCKWASHER, 3/8" (12.9200)				1								1
	117049	NUT, 3/8"-24 (12.9120)				1								1
		4.7112 - BRACKET, OIL PAN DRAIN TUBE												
	5173022	BRACKET (5.5379)				1								1

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4.7000A OIL PAN

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 344	345	348	350	351	353	354	357	360	361	367	376
		4.7001 - PAN, OIL												
7A	**5135551**	PAN, 8V-53 CAST			1									
7B	**5135838**	= PAN, 6V-53 STAMPED	1											
7A	**5133911**	@ PAN, 3-53 CAST		1										
7B	**5196847**	PAN, 3-53 STAMPED				1								
7A	**5162806**	% PAN, 6V-53 CAST					1							
7A	**5137298**	PAN, 6V-53 CAST						1						
7A	**5134523**	PAN, 8V-53 CAST							1					
7A	**5135313**	# PAN, 6V-53 CAST									1			
7A	**5135659**	PAN, 8V-53 CAST										1		
7A	**5136390**	% PAN, 3-53 ALUMINUM											1	
7A	**5135544**	& PAN, 8V-53 CAST												1
	5148436	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)				20								
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)	22											
	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)		20						24				
	5148439	BOLT, 5/16"-18X1 3/8" (W/LW)					22	22			22			
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)			22				22			22	22	
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)											2	
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)							2			2	2	
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)			3				3			3	3	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							2					
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)			2							2	2	
	103320	LOCKWASHER, 5/16" (12.9200)			27				27			27	27	
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	103329	LOCKWASHER, 1/2" (12.9200)			2							2		2
		= NOT SERVICED; USE 1-5145661 PAN PLUS 2-5115214 AND 1-5121182 PLUGS.												
		@ NOT SERVICED; USE 1-5144229 PAN AND 3-5142549 PLUGS.												
		# NOT SERVICED; USE 5137298 AND INCLUDE 1-5119266 GASKET, 22-5148437 BOLTS AND 2-5115214 PLUGS.												
		& NOT SERVICED; USE 5135659 PLUS 1-5115214 PLUG.												
		% OBSOLETE.												
		4.7010 - PAN, OIL UPPER												
	5124566	PAN, 4-53 CAST								1				
	5148438	BOLT, 5/16"-18X1 1/4" (W/LW) (12.9001)								24				
		4.7020 - PAN, OIL LOWER												
7A	**5162680**	COVER								1				
	179837	BOLT, 3/8"-16X3/4" (12.9001)								12				
	103321	LOCKWASHER, 3/8" (12.9200)								12				

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 344	345	348	350	351	353	354	357	360	361	367	376
		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	5116256	GASKET, 3-53				1								
7A	5119266	GASKET, 6V-53	1											
7A	5196059	GASKET, 3-53											1	
7A	5198187	GASKET SET, 8V-53			1				1			1		1
7A	5196061	GASKET SET, 6V-53		1			1	1			1			
7A	5196060	GASKET SET, 4-53								1				
		4.7040 - GASKET, LOWER OIL PAN												
	5125201	GASKET								1				
		4.7045 - BAFFLE, OIL PAN												
	5136389	BAFFLE, OIL PAN (WITH HOLE)											1	
	5136383	+ BAFFLE, OIL PAN											1	
	5175705	SPACER, 13/32" X 7/8" X 1" (8.3826)											2	
	5136529	BOLT, 3/8"-16X1.625" (NYLON INSERT) (12.9001)											2	
		+ OBSOLETE.												
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
	5121182	PLUG, 1/4" PIPE SQ. HD. (2.4015)							1					
7A	5145014	PLUG, 3/8" P.T. (12.9550)							1					
	5115214	PLUG, 1/2" PIPE SQ. HD. (12.9550)		1	1	3	1	1			1	1	1	
7A	8923313	PLUG, 3/4" P.T. (12.9550)		3	1	3	2					1		1
	5102982	PLUG, 3/4" PIPE (12.9550)	1											
7A	5103187	PLUG, 3/4"-14 (12.9550)						1			1			
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* HOSE, #8 X 21" L. (8.3830)							1					
	187396	COUPLING, 3/8" PIPE (12.9580)							1					
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)							1					
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)							1					
	5121825	FITTING, 1/2" HOSE, 3/8"P.T. (12.4090)							2					
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)							1					
	112304	PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)							1					
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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4.7000A OIL PAN

PART NUMBER	NAME AND DESCRIPTION	TYPES 344	345	348	350	351	353	354	357	360	361	367	376
4.7101 - CLIP, OIL PAN DRAIN TUBE													
5151189	CLIP, 3/4" TUBE (4.8040)							1					
186627	BOLT, 3/8"-24X1" (12.9001)							1					
103321	LOCKWASHER, 3/8" (12.9200)							1					
117049	NUT, 3/8"-24 (12.9120)							1					
4.7112 - BRACKET, OIL PAN DRAIN TUBE													
5173022	BRACKET (5.5379)							1					

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	379	381	404	405	406	407	408	409	410	413	417
		4.7001 - PAN, OIL												
7A	5137921	PAN, 8V-53 ALUMINUM	1											
7B	5139069	* PAN, 6V-53 STAMPED		1										
7B	5144109	PAN, 3-53 STAMPED			1									
7A	5139041	PAN, 4-53 CAST				1								
7A	5138748	PAN, 4-53 CAST					1							
7A	5138951	PAN, 4-53 CAST						1						
7A	5138940	# PAN, 8V-53 CAST (USE TYPE 507)							1					
7A	5139388	& PAN, 4-53 CAST								1				
7B	5135838	= PAN, 6V-53 STAMPED									1			
7A	5139416	PAN, 4-53 CAST										1		
7A	5140557	& PAN, 4-53 CAST											1	
7A	5140448	@ PAN, 3-53 CAST												1
7B	5144593	PAN, 4-53 STAMPED								1				
	5148436	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)			20		24			24	22		24	
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)		22										
	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)				24	24	24		24		24	24	20
	5148439	BOLT, 5/16"-18X1 3/8" (W/LW) (12.9001)	18											
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)							22					
	179830	BOLT, 5/16"-18X3" (12.9001)	2											
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)							2					
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)	7						3					
	103320	LOCKWASHER, 5/16" (12.9200)	AR						AR					
		* NOT SERVICED; USE 5142310, ALSO INCLUDE (1) 5115214 AND (1) 5142549 PLUGS.												
		@ OBSOLETE												
		# NOT SERVICED; CONVERT TO TYPE SHOWN.												
		= NOT SERVICED; USE (1) 5145661 PAN AND INCLUDE (2) 5115214 PLUGS AND (1) 5121182 PLUGS.												
		& NOT SERVICED, USE STAMPED OIL PAN AND GASKET SHOWN IN TYPE.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
7A	5198187	GASKET SET, 8V-53	1						1					
7A	5196060	GASKET SET, 4-53				1	1	1		1		1	1	
7A	5119266	GASKET, 6V-53		1										
7A	5116256	GASKET, 3-53			1									
7A	5137847	GASKET, 6V-53									1			
7A	5196059	GASKET, 3-53												1
7A	5116257	GASKET, 4-53 (W/STAMP PAN)								1			1	

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4.7000A OIL PAN

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 377	379	381	404	405	406	407	408	409	410	413	417
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.												
7A	**5145014**	PLUG, 3/8" PIPE (12.9550)				1		1						
7A	**5115214**	PLUG, 1/2" PIPE SQ. HD. (12.9550)		1					1			2		1
7A	**5138621**	PLUG, 18 MM. X 1.5 MM. (4.7090)		1										
7A	**8923313**	PLUG, 3/4" PIPE SQ. SOC. HD. (12.9550)			1		3						2	
7A	**5103187**	PLUG, 3/4" PIPE HEX. HD. (12.9550)				1		1	1	1	1		3	1
		4.7090 - GASKET, OIL PAN DRAIN PLUG												
	840277	WASHER (18 MM.)		1										
		4.7120 - COVER, OIL PAN												
	5139344	COVER				1		1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)				14		14						
	103320	LOCKWASHER, 5/16" (12.9200)				14		14						
		4.7130 - GASKET, OIL PAN COVER												
	5126497	GASKET				1		1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	422	486	487	492	507	508	510	514	528	530
		4.7001 - PAN, OIL											
7A	5137298	PAN, 6V-53 CAST	1	1									
7A	5138951	PAN, 4-53 CAST			1								
7A	5139041	PAN, 4-53 CAST				1							
7A	5132595	PAN, 4-53 CAST					1						
7A	5142663	PAN, 8V-53 CAST						1					
7B	5142768	PAN, 3-53 STAMPED							1				
7B	5142880	PAN, 3-53 STAMPED									1		
7A	5144229	PAN, 3-53 CAST										1	
7B	5144109	+ PAN, 3-53 STAMPED											1
	5144140	# PAN ASSY., 4-53 STAMPED								1			
	5133863	BRACKET (TO INLET ELBOW)							1				
	452720	INSERT, 7/16"-14X7/8" (12.9118)		4									
	186618	BOLT, 5/16"-18X5/8" (12.9001)							1				
	5148436	BOLT, 5/16"-18X3/4" (W/LW) (4.7120)							20				20
	186625	BOLT, 5/16"-18X7/8" (12.9001)							16				
	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)								24	20		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)							6				
	5148438	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)			24	24	24					20	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		6									
	5148439	BOLT, 5/16"-18X1 3/8" (W/LW) (12.9001)	22										
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)						20					
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)		16									
	272545	BOLT, 5/16"-18X5 1/4" (12.9001)						7					
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)						2					
	103320	LOCKWASHER, 5/16" (12.9200)		AR				AR	AR				
	103329	LOCKWASHER, 1/2" (12.9200)						2					
		# INCLUDE ITEMS IN 4.5000A, TYPE 97.											
		+ OBSOLETE											
		4.7030 - GASKET, OIL PAN TO BLOCK											
7A	5198187	GASKET SET, 8V-53						1					
7A	5196060	GASKET SET, 4-53			1	1	1						
7A	5196061	GASKET SET, 6V-53	1									1	
7A	5198295	GASKET SET, 6V-53		1									
7A	5116256	GASKET, 3-53									1		1
	5143271	GASKET, 3-53							1				
7A	5116257	GASKET, 4-53								1			
		4.7045 - BAFFLE, OIL PAN											
	5142765	BAFFLE, OIL PAN							1				
	5142764	SEAL, OIL PAN BAFFLE							1				
	5142766	SUPPORT, OIL PAN BAFFLE							1				
	186629	BOLT, 5/16"-18 X 1" (TO SUPPORT) (12.9001)							1				

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4.7000A OIL PAN

	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	422	486	487	492	507	508	510	514	528	530
		4.7045 - BAFFLE, OIL PAN (CONT'D)											
	179816	BOLT, 5/16"-18X3/4" (12.9001)							7				
	103320	LOCKWASHER, 5/16" (12.9200)							8				
	120376	NUT, 5/16"-18 (TO SUPPORT) (12.9120)							6				
		4.7080 - PLUG, OIL PAN DRAIN											
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.											
7A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1									
7A	**5145014**	PLUG, 3/8" PIPE (12.9550)		2	1	1							
7A	**5115214**	PLUG, 1/2" PIPE SQ. HD. (12.9550)						1		2	1	2	
7A	**8923313**	PLUG, 3/4" PIPE (12.9550)						2	1			3	1
	5178994	PLUG, 3/4" PIPE (MAGNETIC)					1				1		
7A	**5103187**	PLUG, 3/4" PIPE HEX. HD. (12.9550)	1		1	1							
		4.7100 - TUBE, OIL PAN DRAIN											
	5129157	* HOSE, #8 X 21" L. (8.3830)		1	1	1							
	187396	COUPLING, 3/8" PIPE (12.9580)		1	1	1							
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)		1	1	1							
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)		1	1	1							
	5121825	FITTING, 1/2" HOSE 3/8" P.T. (12.4090)		2	2	2							
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9390)		1	1	1							
	112304	PLUG, 3/8" PIPE SQ. HD. BRASS (12.9550)		1	1	1							
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		4.7101 - CLIP, OIL PAN DRAIN TUBE											
	5151189	CLIP, 3/4" TUBE (4.8040)		1	1	1							
	186627	BOLT, 3/8"-24X1" (12.9001)		1	1	1							
	103321	LOCKWASHER, 3/8" (12.9200)		1	1	1							
	117049	NUT, 3/8"-24 (12.9120)		1	1	1							
		4.7112 - BRACKET, OIL PAN DRAIN TUBE											
	5173022	BRACKET (5.5379)		1	1	1							

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 421	422	486	487	492	507	508	510	514	528	530
		4.7120 - COVER, OIL PAN											
	5139344	COVER			1	1							
	5142483	@ COVER (SIDE)					1						
	5162680	COVER					1						
	8923313	PLUG, 3/4" PIPE (12.9550)					1						
	179816	BOLT, 5/16"-18X3/4" (12.9001)			14	14							
	179837	BOLT, 3/8"-16X3/4" (12.9001)					12						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					2						
	103320	LOCKWASHER, 5/16" (12.9200)			14	14							
	103321	LOCKWASHER, 3/8" (12.9200)					AR						
		@ NOT SERVICED, USE 5125256 AND INCLUDE (1) 5142549 PLUG.											
		4.7130 - GASKET, OIL PAN COVER											
	5126497	GASKET			1	1							
	5125201	GASKET					1						

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 534	535	537	542	543	553	558	560	568	573	584	590
		4.7001 - PAN, OIL												
7B	5143996	& PAN, 2-53 STAMPED	1											
7B	5143995	% PAN, 4-53 STAMPED		1										
7B	5144592	PAN, 3-53 STAMPED			1			1	1					
7B	5145073	PAN, 8V-53 STAMPED				1								
7B	5144593	PAN, 4-53 STAMPED					1							
7A	5145207	+ PAN, 6V-53 CAST								1				
7A	5145661	PAN, 6V-53 STAMPED									1			
7B	5146367	PAN, 4-53 STAMPED										1		
	5146360	PAN, 3-53 STAMPED											1	
7B	5134377	= PAN, 3-53 STAMPED												1
	5166786	SPACER, 11/32"X3/4"X1/4"				1								
7A	5148437	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)	16	24	20	26	24	20	20		22	24	20	22
7A	5148439	BOLT, 5/16"-18X1 3/8" (W/LW)								22				
	5146143	BOLT, 5/16"-18X5.25"				1								
7A	186631	BOLT, 1/2"-13X2 1/4" (12.9001)				2								
	103343	WASHER, 1/2" (12.9190)				2								
	103323	LOCKWASHER, 1/2" (12.9200)				2								
		& NOT SERVICED; USE 5147383 PLUS 1-5142549 PLUG.												
		% NOT SERVICED; USE 5144593 PLUS (2) 5115214 PLUGS AND (2) 5142549 PLUGS.												
		+ OBSOLETE												
		= NOT SERVICED; USE 5196847 PLUS (1) 5142549 PLUG AND (3) 5115214 PLUGS.												
		4.7030 - GASKET, OIL PAN TO BLOCK												
	5116255	GASKET, 2-53	1											
	5116257	GASKET, 4-53		1			1					1		1
7A	5116256	GASKET, 3-53			1			1	1				1	
	5119266	GASKET, 6V-53									1			
	5198187	GASKET SET, 8V-53				1								
	5196061	GASKET SET, 6V-53								1				
		4.7045 - BAFFLE, OIL PAN												
	5141925	+ BAFFLE, OIL PAN (WITH HOLE)				1								
	5142841	SPACER, 13/32"X7/8"X1.18" (7.1598)				2								
	179847	BOLT, 3/8"-16X2" (12.9001)				2								
	103341	WASHER, 3/8" (12.9190)				2								
	103321	LOCKWASHER, 3/8" (12.9200)				2								
		+ OBSOLETE.												
		4.7080 - PLUG, OIL PAN DRAIN												
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANITIES ARE SHOWN IN SAME TYPE.												
	5121182	PLUG, 1/4" PIPE (2.4015)						2	2		1			

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 534	535	537	542	543	553	558	560	568	573	584	590
		4.7080 - PLUG, OIL PAN DRAIN (CONT'D)												
	5115214	PLUG, 1/2"-14 HEX. SKT. (12.9550)		2		1	2	2	2	2	2	2	3	
	5178994	PLUG, 3/4" PIPE (MAGNETIC)		1										
	8923313	PLUG, 3/4" PIPE SQ. SKT. (12.9550)	1	1	1	1	3	1	1	1	1	2	1	2
		4.7100 - TUBE, OIL PAN DRAIN												
	5129157	* HOSE, #8 X 21" L. (8.3830)							1					
	5121825	FITTING, 1/2" HOSE, 3/8" P.T. (12.4090)							2					
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)							1					
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)							1					
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9390)							1					
	187396	COUPLING, 3/8" PIPE (12.9580)							1					
	112304	PLUG, 3/8" PIPE (12.9550)							1					
		* STD. LENGTH, HOSE CUT TO LENGTH SHOWN.												
		4.7101 - CLIP, OIL PAN DRAIN TUBE												
	5151189	CLIP, 3/4" TUBE (4.8040)							1					
	186627	BOLT, 3/8"-24X1" (12.9001)							1					
	103321	LOCKWASHER, 3/8" (12.9200)							1					
	117049	NUT, 3/8"-24 (12.9120)							1					
		4.7112 - BRACKET, OIL PAN DRAIN TUBE												
	5173022	BRACKET (5.5379)							1					

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4.7000A OIL PAN

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 591	592	594	604	606	607	608	609	626	627	629
		4.7001 - PAN, OIL											
7B	**5144592**	PAN, 3-53 STAMPED											1
7B	**5196848**	PAN, 4-53 STAMPED	1										
7B	**5196847**	PAN, 3-53 STAMPED		1									
7B	**5146322**	PAN, 3-53 STAMPED			1								
	5147383	PAN, 2-53 STAMPED				1							
	5146850	PAN, 6V-53 STAMPED					1						
	5146849	+ PAN, 6V-53 STAMPED						1	1				
7B	**5147837**	PAN, 6V-53 CAST								1			
7A	**5143224**	PAN, 4-53 CAST									1		
7A	**5140019**	PAN, 3-53 CAST										1	
7A	**5148437**	BOLT, 5/16"-18X1" (W/LW) (12.9001)	24	20		16	22	22	22				20
7A	**5148439**	BOLT, 5/16"-18X1 3/8" (W/LW)								22			
7A	**189700**	BOLT, 5/16"-18X1 1/4" (W/LW) (12.9001)									24	20	
		+ OBSOLETE											
		4.7030 - GASKET, OIL PAN TO BLOCK											
7A	**5116255**	GASKET, 2-53				1							
7A	**5116257**	GASKET, 4-53	1										
7A	**5116256**	GASKET, 4-53		1									1
	5119266	GASKET, 6V-53					1	1	1				
	5143271	GASKET, 3-53			1								
	5196061	GASKET SET, 6V-53								1			
	5196060	GASKET SET, 4-53									1		
	5196059	GASKET SET, 3-53										1	
		4.7080 - PLUG, OIL PAN DRAIN											
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANITIES ARE SHOWN IN SAME TYPE.											
	5121182	PLUG, 1/4" PIPE (2.4015)					3	2	1				
	5146309	PLUG, 1/2" SQ. RECESSED MAGNETIC					1						
	5115214	PLUG, 1/2"-14 HEX. SKT. (12.9550)	3	3			2	4	4				
	5178994	PLUG, 3/4" PIPE (MAGNETIC)											1
	8923313	PLUG, 3/4" PIPE SQ. SKT. (12.9550)	3	2	1	2			2		3		
	5103187	PLUG, 3/4"-14 HEX. SKT. (12.9550)						2					
		4.7100 - TUBE, OIL PAN DRAIN											
	5129157	* HOSE, #8 X 21" L. (8.3830)							1				
	5121825	FITTING, 1/2" HOSE, 3/8"P.T. (12.4090)							2				
	142767	BUSHING, 3/4"X3/8" RED. (12.9570)							1				

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 591	592	594	604	606	607	608	609	626	627	629
		4.7100 - TUBE, OIL PAN DRAIN (CONT'D)											
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9390)							1				
	187396	COUPLING, 3/8" PIPE (12.9580)							1				
	112304	PLUG, 3/8" PIPE (12.9550)							1				
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		4.7101 - CLIP, OIL PAN DRAIN TUBE											
	5151189	CLIP, 3/4" TUBE (4.8040)							1				
	186627	BOLT, 3/8"-24X1" (12.9001)							1				
	103321	LOCKWASHER, 3/8" (12.9200)							1				
	117049	NUT, 3/8"-24 (12.9120)							1				
		4.7112 - BRACKET, OIL PAN DRAIN TUBE											
	5173022	BRACKET (5.5379)							1				

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4.7000A OIL PAN

MG	PART NUMBER	NAME AND DESCRIPTION	TYPES 636	638	645	652	654	655	669	683	687	694	695	696	701	702
		4.7001 - PAN, OIL														
7A	**5137298**	PAN, 6V-53 CAST	1													
7B	**5101730**	PAN, 6V-53 STAMPED		1												
7B	**5103411**	PAN, 4-53 STAMPED			1											
7B	**5105112**	PAN, 4-53 STAMPED				1										
7B	**5102567**	PAN, 6V-53 STAMPED					1									
7B	**5104200**	PAN, 4-53 STAMPED						1								
	5106631	PAN, 3-53 STAMPED							1							
7B	**5107993**	PAN, 6V-53 STAMPED								1						
7A	**8920639**	PAN, 3-53 CAST									1					
7B	**8921223**	PAN, 3-53 STAMPED										1				
7B	**8921222**	PAN, 3-53 STAMPED											1			
	5107919	PAN, 3-53												1		
7A	**8922219**	PAN, 4-53 CAST													1	
7A	**8921162**	PAN, 3-53 CAST														1
7A	**5148439**	BOLT, 5/16"-18X1 3/8" (W/LW)	22													
7A	**5148437**	BOLT, 5/16"-18 X 1" (W/LW) (2.3260)		22	24	24	22	24	20	22		24	20	20		
7A	**5148438**	BOLT, 5/16"-18 X 1 1/4" (W/LW) (2.3260)									16				16	20
	179829	BOLT, 5/16"-18 X 2 3/4" (12.9001)									4					
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)													8	
	103320	LOCKWASHER, 5/16" (12.9200)									4				8	
		4.7030 - GASKET, OIL PAN TO BLOCK														
7A	**5196061**	GASKET SET, 6V-53	1													
7A	**5119266**	GASKET, 6V53		1			1			1						
7A	**5116257**	GASKET, 4-53			1	1		1				1				
7A	**5116256**	GASKET, 3-53							1		1		1	1		1
7A	**5196060**	GASKET, 4-53													2	
		4.7080 - PLUG, OIL PAN DRAIN														
		PLUGS ARE OPTIONAL WHEN MULTIPLE QUANTITIES ARE SHOWN IN SAME TYPE.														
7A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1				1			2						
7A	**5145014**	PLUG, 3/8" PIPE (12.9550)	2													
7B	**5115214**	PLUG, 1/2"-14 HEX. SKT. (12.9550)	2	1	3	1		2			2	2	1	1		
7A	**5146309**	PLUG, 1/2" PIPE (MAGNETIC)				1										
7B	**5146648**	PLUG, 1/2"-14 HEX. SKT. (1.3162)		2												
7A	**8923313**	PLUG, 3/8" PIPE HEX. SKT. (12.9550)		1	1			1	1			2	5	2		
7B	**5103187**	PLUG, 3/8"-14 HEX. SKT. (12.9550)	2													
7A	**5102982**	PLUG, 3/4" SQ. HD. PIPE (12.9550)		1			1									
7A	**5111798**	PLUG, 1" PIPE (12.9550)									1	1			3	1
7A	**5178994**	PLUG, 3/4" PIPE SQ. HD. (MAGNETIC)										1				
		4.7100 - TUBE, OIL PAN DRAIN														
	5129157	* HOSE, #8 X 21" L. (8.3830)	1													
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)	1													
	5121825	FITTING, 1/2" HOSE, 3/8" P.T. (12.4090)	2													
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)	1													
	8924159	BUSHING, 3/4"X3/8" RED. (12.9570)	1													

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 636	638	645	652	654	655	669	683	687	694	695	696	701	712
		4.7100 - TUBE, OIL PAN DRAIN (CONT'D)														
	187396	COUPLING, 3/8" PIPE (12.9580)	1													
	112304	PLUG, 3/8" PIPE (12.9550) (BRASS)	1													
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		4.7101 - CLIP, OIL PAN DRAIN TUBE														
	5151189	CLIP, 3/4" TUBE (4.8040)	1													
	186627	BOLT, 3/8"-24X1" (12.9001)	1													
	103321	LOCKWASHER, 3/8" (12.9200)	1													
	117049	NUT, 3/8"-24 (12.9120)	1													
		4.7112 - BRACKET, OIL PAN DRAIN TUBE														
	5173022	BRACKET (5.5379)	1													
		4.7120 - COVER, OIL PAN														
	5133837	COVER (4.4182)									1					
	5101377	BOLT, 3/8"-16X1" (W/SEAL) (5.2020)									2					
	103321	LOCKWASHER, 3/8" (12.9200)									2					
		4.7130 - GASKET, OIL PAN COVER														
	5124798	GASKET (4.4184)									1					

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4.7000A OIL PAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 720	722	727	728	739	744
		4.7001 - PAN, OIL						
7B	**8922717**	PAN, 6V53 STAMPED	1					
	8924115	PAN, 4-53		1				
7B	**8924883**	PAN, 4-53 STAMPED			1			
7B	**8924884**	PAN, 4-53 STAMPED				1		
	8924706	PAN, 6V53 STAMPED					1	
	8926385	PAN, 6V53 STAMPED						1
7A	**5148437**	BOLT, 5/16"-18X1" (W/LW) (2.3260)	22	24	24	24	22	22
		4.7030 - GASKET, OIL PAN TO BLOCK						
7A	**5119266**	GASKET, 6V53	1					1
7A	**5116257**	GASKET, 4-53		1	1	1		
	8924708	GASKET, 6V53					1	
		4.7045 - BAFFLE, OIL PAN						
	5103053	BAFFLE					1	
	5110137	SPACER, 13/32"X3/4"X1.46" (2.8907)					2	
	179847	BOLT, 3/8"-16X2" (12.9001)					2	
	103321	LOCKWASHER, 3/8" (12.9200)					2	
		4.7080 - PLUG, OIL PAN DRAIN						
7A,B	**5102982**	PLUG, 3/4" SQ. HD. PIPE (12.9550)	1				1	
7A,B	**5115214**	PLUG, 1/2"-14 HEX. SKT. (12.9550)		2		3		2
7A,B	**8923916**	PLUG, 1/2"-14 HEX. SKT. (12.9550)			3			
7A,B	**8923313**	PLUG, 3/4"-14 HEX. SKT. (12.9550)			1			1
	445054	PLUG, 3/4"-16 DRAIN (9.1007)					1	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	195	196	197	201	207	208	209	222	228	230	232
		4.8001 - PIPE ASSY., BREATHER												
		A PIPE ASSY. (PLAIN) INCLUDES PLUG IN 4.8001 AND FILTER IN 4.8060. A PIPE ASSY. (WITH OIL FILLER) INCLUDES FILLER CAP CHAIN IN 4.5030.												
8A	**5116392**	* PIPE ASSY., 2,3,4-53 (PLAIN) (5116394)		1										
8A	**5116393**	* PIPE ASSY., 2,3,4-53 (PLAIN) (5116395)			1									
8B	**5121056**	PIPE,2,3,4-53				1								
8A	**5122558**	+ PIPE ASSY., 3,4-53 (PLAIN)						1						
8A	**5122559**	+ PIPE ASSY., 3-53 (PLAIN)							1					
8A	**5122561**	+ PIPE ASSY., 4-53 (PLAIN)								1				
8B	**5121057**	PIPE, 2,3,4-53									1			
8A	**5123337**	+ PIPE ASSY., 4-53 (PLAIN)											1	
8A	**5123338**	+ PIPE ASSY., 3-53 (PLAIN)												1
8A,B	**5150829**	PLUG, 7/8" CUP		1	1	1		1	1	1	1		1	1
8A,B	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)		2	2	2		2	2	2	2		2	2
8A,B	**103320**	LOCKWASHER, 5/16" (12.9200)		2	2	2		2	2	2				
		* NOT SERVICED, USE PART NO. IN PARENTHESES PLUS (1) 5163918 PAD AND (1) 5150829 PLUG.												
		+ OBSOLETE.												
		4.8005 - TUBE, HEAD TO BLOWER BREATHER												
#	**5122933**	& TUBE, 2-53					1							
#	**5123901**	& HOSE, 2-53 (3/4"I.D.X1 1/16"O.D.X 1 1/2"L)					2							
	5122539	= HOSE,2-53 (FORMED ELBOW) (4 1/2" L., 3/4"I.D.)					1							
#	**5123540**	= ADAPTOR, CYLINDER HEAD 2-53					1							
#	**5123539**	= ADAPTOR, BLOWER END PLATE 2-53					1							
#	**5186840**	& CLAMP, 1 1/8" HOSE (12.9660)					4							
#	**5186840**	= CLAMP, 1 1/8" HOSE (12.9660)					2							
		# FIG. 10C OF 1.0000.												
		& USED THRU 2D-459 NOT SERVICED; USE ITEMS IDENTIFIED BY =.												
		= EFFECTIVE WITH 2D-460 THRU 2D-4009. NOT REQUIRED EFFECTIVE WITH 2D-4010.												
		4.8010 - EXTENSION, BREATHER TUBE												
	5110828	PIPE, 3,4-53 (DEV. L. 25 3/4")	1											

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	195	196	197	201	207	208	209	222	228	230	232
		4.8020 - GASKET BREATHER TUBE												
8A,B	**5116391**	GASKET,2,3,4-53 (1.5060)		1	1	1		1	1	1			1	1
		4.8045 - BREATHER ASSY.												
		FOR COMPONENTS OF BREATHER ASSYS. SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5110384	BREATHER ASSY.,3,4-53	1											
	1553180	BREATHER,2,3,4-53 (FILLER CAP) (12.6555)					1					1		
	5110392	STUD, WING	1											
	5110393	GASKET, STUD	1											
	5171344	WASHER, 5/16" (2.8830)	1											
		4.8050 - BODY, BREATHER OR SEPARATOR												
	5110397	BODY, 3,4-53	1											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2											
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2											
	5152148	WASHER, 3/8X9/16" SEAL (COPPER) (2.4050)	4											
		4.8057 - GASKET, BREATHER SHELL COVER												
	5179282	GASKET,3,4-53 (BETWEEN BREATHER ASSY. AND BODY)	1											
		4.8060 - FILTER UNIT, BREATHER												
8A,B	**5163918**	ELEMENT 2,3,4-53						1	1	1			1	1
	5104007	ELEMENT, 3-53		1	1	1					1			
		4.8070 - GASKET, BREATHER BODY OR SEPARATOR												
	5130349	GASKET,3,4-53 (TO BLOCK) (1.1085)	1											
		4.8175 - HOSE, BREATHER EXTENSION												
8C	**5120022**	+ HOSE, 1 3/4" L.	1											
8C	**2337379**	CLAMP, 1 1/6" HOSE (12.9660)	2											

+ STANDARD LENGTH HOSE; CUT TO LENGTH SHOWN.

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 100	195	196	197	201	207	208	209	222	228	230	232
		4.8183 - BRACKET, BREATHER EXTENSION PIPE												
	5184291	CLIP (1 1/4" TUBE, 3/8" BOLT HOLE) (8.3820)	1											
	5176400	BRACKET, TUBE, CLIP (4.8010)	1											
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1											
	103341	WASHER, 3/8" (12.9190)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	117049	NUT, 3/8"-24 (12.9120)	1											
		4.8185 - PLATE, BREATHER DEFLECTOR												
	5182508	PLATE,3,4-53	1											

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 233	234	235	236	246	247	248	250	251	258	259
		4.8001 - PIPE, BREATHER											
		A PIPE ASSY. (PLAIN) INCLUDES PLUG IN 4.8001 AND FILTER IN 4.8060. A PIPE ASSY. (WITH OIL FILLER) INCLUDES FILLER CAP CHAIN IN 4.5030.											
	5125254	* PIPE ASSY.,2,3,4-53 (A ENGINE) (PLAIN) (5126518)	1										
	5125255	* PIPE ASSY.,2,3,4-53 (C ENGINE) (PLAIN) (5126519)		1									
	5126516	PIPE ASSY.,2,3,4-53 (WITH OIL FILLER TUBE)			1								
	5126517	PIPE ASSY.,2,3,4-53(WITH OIL FILLER TUBE)				1							
	5128830	+ PIPE, 4-53								1			
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2	2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								1			
	186627	BOLT, 3/8"-24X1" (12.9001)								1			
	5152148	WASHER, 3/8" COPPER (2.4050)								2			
	103321	LOCKWASHER, 3/8" (12.9200)								2			
	102635	NUT, 3/8"-16 (12.9120)								1			
		* NOT SERVICED, USE PART NO. IN PARENTHESES PLUS (1) 5163918.											
		+ OBSOLETE.											
		4.8010 - EXTENSION, BREATHER PIPE											
	5127858	PIPE, 3, 4-53 (DEV. L. 31.68") (4.8001)					1						
	5128015	+ PIPE, 6V53 (DEV. L. 9.24") (4.8001)						1					
8C	5129063	PIPE, 6V53 (DEV. L. 14.20") (4.8001)							1				
	5128822	+ PIPE,4-53(DEV. L. 19")								1			
C	5129000	PIPE,6V53 (DEV. L. 20.50")									1		
	5129564	+ PIPE, UPPER 4-53 (DEV. L. 27.75")										1	1
	5129563	+ PIPE, LOWER 4-53 (DEV. L. 14.75") (4.8001)										1	1
		+ OBSOLETE											
		4.8020 - GASKET, BREATHER TUBE											
8A,B	5116391	GASKET,2,3,4-53 (1.5060)	1	1	1	1							
	5156319	GASKET,4-53 (5.5610)								1			
		4.8025 - BAFFLE, BREATHER											
	5128809	* BAFFLE, 4-53								1			
	5128810	* COVER, 4-53								1			
	5128811	* SUPPORT, 4-53								1			
	106284	BOLT, 3/8"-24X5/8" (12.9001)								1			

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 233	234	235	236	246	247	248	250	251	258	259
		4.8025 - BAFFLE, BREATHER (CONT'D)											
	5152148	WASHER, 3/8" COPPER (2.4050)								1			
	103321	LOCKWASHER, 3/8" (12.9200)								1			
		* OBSOLETE.											
		4.8040 - CLIP, BREATHER TUBE											
8C	5127859	CLIP, 1" TUBE					1						
8C	5157702	CLIP, 1" TUBE					1	1		1			
8C	5177001	CLIP, 7/8" TUBE (8.3801)							1				
8C	5174091	CLIP, 7/8"									1		
	5155664	CLIP, 1" SPECIAL (4.1570)										2	2
	5196119	SPACER, 13/32" I.D. X 7/8" O.D. X 3/8" L (3.4001)					1						
	5175705	SPACER, 13/32" I.D. X 7/8" O.D. X 1" L (8.3826)								1			
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1	1
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)								1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1				1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)										1	1
	179857	BOLT, 7/16"-14X1" (12.9001)							1				
	120393	WASHER, 5/16" (12.9190)										1	1
	103341	WASHER, 3/8" (12.9190)									1		
	103320	LOCKWASHER, 5/16" (12.9200)										1	1
	103321	LOCKWASHER, 3/8" (12.9200)					1				1	1	1
	103322	LOCKWASHER, 7/16" (12.9200)							1				
	120376	NUT, 5/16"-18 (12.9120)										1	1
	117049	NUT, 3/8"-24 (12.9120)										1	1
		4.8042 - SUPPORT, BREATHER TUBE CLIP											
	5176846	BRACKET (7.4013)						1					
	5129755	+ BRACKET (UPPER TUBE)										1	1
	5129753	BRACKET (LOWER TUBE)										1	
	5129752	BRACKET (LOWER TUBE)											1
	123435	BOLT, 1/4"-28X5/8" (12.9001)						1					
	120392	WASHER, 1/4" (12.9190)						1					
	103319	LOCKWASHER, 1/4" (12.9200)						1					
	121902	NUT, 1/4"-28 (12.9120)						1					
		+ OBSOLETE											
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR											
8A,B	5163918	ELEMENT,2,3,4-53	1	1							1		
8C	5119481	ELEMENT, 6V53			1	1							
	5104007	ELEMENT											

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4.8000A VENTILATING SYSTEM

4.8175 - HOSE, BREATHER EXTENSION

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 233	234	235	236	246	247	248	250	251	258	259
8C	**5118149**	+ HOSE, 1" I.D. X 5" L. (4.1642)					1						
8C	**5118149**	+ HOSE, 1" I.D. X 2" L. (4.1642)					1	1				1	1
8C	**5129064**	+ HOSE, 7/8" I.D. X 2" L. (4.8001)							1				
8C	**5118149**	+ HOSE, 1" I.D. X 2 1/2" L. (4.1642)								1			
8C	**5169721**	+ HOSE, 7/8" I.D. X 1 3/4" L. (5.2165)									1		
	5129751	HOSE, 1" I.D. (FORMED ELBOW)										1	1
	5186840	CLAMP, 1 1/2" HOSE (12.9660)							2				
8C	**272857**	CLAMP, 1" HOSE, SPRING TYPE (12.9660)					2	2		2	4	4	
8C	**111609**	CLAMP, 1 3/16" HOSE (12.9660)									2		

+ STANDARD LENGTH HOSE CUT TO LENGTH SHOWN.

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 264	269	270	273	275	276	279	286	287	290	295	296
		4.8001 - PIPE, BREATHER												
		A PIPE ASSY. INCLUDES PLUG IN 4.8001 AND FILTER IN 4.8060.												
8A	5129309	* PIPE ASSY., 2,3-53 (5129518)		1										
8A	5129683	* PIPE ASSY., 2-53 (5129672)			1									
8A	5116392	* PIPE ASSY., 2-53 (5116394)				1								
8A,B	5150829	PLUG (7/8" CUP)		1	1	1								
8A,B	179828	BOLT, 5/16"-18X2 1/2" (12.9001)		2	2	2								
8A,B	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2								
		* NOT SERVICED USE PART NO. IN PARENTHESES PLUS (1) 5150829 PLUG AND (1) 5163918 FILTER.												
		4.8010 - EXTENSION, BREATHER PIPE												
	5129236	PIPE, 6V53 (11.70" DEV. L.)	1											
	5129564	+ PIPE, UPPER 3-53 (DEV. L. 27.75")					1	1						
	5129562	+ PIPE, LOWER 3-53 (DEV. L. 17")					1	1						
	5108409	PIPE, 4-53 (DEV. L. 41.38") (4.8001)							1					
	5184798	PIPE, 4-53 (DEV. L. 19 1/2")								1				
	5127858	PIPE, 3,4-53 (DEV. L. 31.68") (4.8001)									1			
	3816887	@ PIPE, 6V53										1		
	3818954	@ PIPE, 3,4-53											1	
#	5162962	PIPE, 6V53 (DEV. L. 18.50") (4.8001)												
		@ PROCURE FROM CHEVROLET.												
		# FIG. 10G OF 1.0000.												
		+ OBSOLETE												
		4.8020 - GASKET, BREATHER TUBE												
8A,B	5116391	GASKET, 2,3,4-53 (1.5060)		1	1	1								
		4.8040 - CLIP, BREATHER TUBE												
8C	5155664	CLIP, 1" TUBE (4.1570)	1				2	2		2				
	5174091	CLIP, 7/8"			1				1		1		1	1
#	5157702	CLIP, 1" TUBE												
	5168435	SPACER, 1/4" X 7/16" (4.8001)	1				1	1		2				
	179816	BOLT, 5/16"-18X3/4" (12.9001)												
	180082	BOLT, 5/16"-18X1 3/4" (12.9001)	1											
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1						1			1
	179839	BOLT, 3/8"-16 X 1" (12.9001)							1					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1	1						
	181360	BOLT, 3/8"-24X3/4" (12.9001)					1	1		2				
	120393	WASHER, 5/16" (12.9190)									1			
	103341	WASHER, 3/8" (12.9190)			1									

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 264	269	270	273	275	276	279	286	287	290	295	296
		4.8040 - CLIP, BREATHER TUBE (CONT'D)												
	120214	LOCKWASHER, 5/16" (12.9200)	1											
	103320	LOCKWASHER, 5/16" (12.9200)					1	1		2				
	103321	LOCKWASHER, 3/8" (12.9200)			AR		AR	AR			AR			AR
	120376	NUT, 5/16"-18 (12.9120)					1	1		2				
	102635	NUT, 3/8"-16 (12.9120)			1						1			
	117049	NUT, 3/8"-24 (12.9120)					1	1						
	123221	NUT, 3/8"-16 (12.9120) #												1
		# FIG. 10G OF 1.0000.												
		4.8042 - SUPPORT, BREATHER TUBE CLIP												
	5129685	BRACKET, CLIP (4.8183)			1									
	5109270	+ BRACKET								1				
	5175606	BRACKET (4.1540)								1				
	5179861	BRACKET, CLIP SUPPORT (7.3245)									1			
	5129755	SUPPORT, CLIP (UPPER)					1	1						
	5129756	SUPPORT, CLIP (LOWER)					1							
	5129757	SUPPORT, CLIP (LOWER)						1						
	180120	BOLT, 3/8"-16X3/4" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				
		+ OBSOLETE.												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
1A,B	5163918	ELEMENT, 2,3,4-53		1	1	1								
8C	5119481	ELEMENT, 6V53										1		
		4.8175 - HOSE, BREATHER EXTENSION PIPE												
8C	5118149	* HOSE, 1" I.D. X 2" L	1				1	1	1				1	
	5169721	* HOSE, 7/8" I.D. X 24" L (4.8010)				1								
	5129751	HOSE, 1" I.D. (FORMED ELBOW)					1	1		1				
	5118149	* HOSE, 1" I.D. X 7 1/2" L (5.3432)									1			
8C	5169721	* HOSE, 7/8" I.D. X 2 1/2" L (4.8010)										1		
#	5118149	* HOSE, 1" I.D. X 3 1/2" L (5.1270)												1
8C	272857	CLAMP, 1" HOSE, SPR. TYPE (12.9660)	2				4	4	2	2	2			
	111609	CLAMP, 1 3/16" HOSE (12.9660)				1						2		
	111612	CLAMP, 1 3/8" HOSE (12.9660) #											2	2
		# FIG. 10G OF 1.0000.												
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 302	303	304	313	314	319	320	342	344	351	353	355
		4.8001 - PIPE, BREATHER												
		A PIPE ASSY. INCLUDES PLUG IN 4.8001 AND FILTER IN 4.8060.												
8A	5130287	* PIPE ASSY., 2,3,4-53 (5130289)		1										1
	5128830	+ PIPE, 3-53			1									
	5130289	PIPE ASSY., 4-53		1	1									
8A,B	5150829	PLUG (7/8" CUP)		2	2									1
8A,B	179828	BOLT, 5/16"-18X2 1/2" (12.9001)												1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												2
	186627	BOLT, 3/8"-24X1" (12.9001)												
	5152148	WASHER, 3/8" COPPER (2.4050)		2										2
8A,B	103320	LOCKWASHER, 5/16" (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)												
	102635	NUT, 3/8"-16 (12.9120)												
		* NOT SERVICED, USE PART NO. IN PARENTHESES PLUS (1) 5150829 PLUG AND (1) 5163918 FILTER.												
		+ OBSOLETE.												
		4.8010 - EXTENSION, BREATHER PIPE												
	5127858	PIPE, 3,4-53 (1"O.D.X31.68" DEV. L.)										1	1	
#	5130141	PIPE, 6V53 (1" O.D.X42.10" DEV. L.) (4.8001)	1											
	5172756	PIPE, 4-53 (1"O.D.X49.76" DEV. L.) (4.8001)				1								
	5162862	PIPE, 4-53 (1" O.D.X49.76" DEV.L.) (4.8001)					1							
	5130442	PIPE, 3-53 (1"O.D.X41" DEV. L.) (4.8001)						1						
	5130443	PIPE, 3-53 (1" O.D. X 41" DEV. L.) (4.8001)							1					
#	5129488	PIPE, 6V53 (1"O.D.X22.50" DEV. L.)								1				
#	5131843	PIPE, 6V53 (1"O.D.X26.46" DEV. L.)									1			
	5132581	% PIPE, 3-53 (1"O.D.X22.38" DEV. L.)												1
		# FIG. 10G OF 1.0000.												
		% OBSOLETE.												
		4.8020 - GASKET, BREATHER TUBE												
8A,B	5116391	GASKET, 2,3,4-53 (1.5060)		1										1
	5156319	GASKET, 3-53 (5.5610)												
		4.8025 - BAFFLE, BREATHER												
	5132344	* BAFFLE, 3-53												1
	5132345	* COVER, 3-53												1
	5132431	* SUPPORT, 3-53												1

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 302	303	304	313	314	319	320	342	344	351	353	355
		4.8025 - BAFFLE, BREATHER (CONT'D)												
	106284	BOLT, 3/8"-24X5/8" (12.9001)												1
	5152148	WASHER, 3/8" COPPER (2.4050)												1
	103321	LOCKWASHER, 3/8" (12.9200)												1
		* OBSOLETE.												
		4.8040 - CLIP, BREATHER TUBE												
#	5157702	CLIP, 1" TUBE	2							1	1			1
	5183247	CLIP, 1" TUBE (8.3801)				1	1	1	1					
	5161874	CLIP, 1 1/16" TUBE (7.3245)				1	1	1	1					
	5127859	CLIP, 1" TUBE										1	1	
	5169476	CLIP, 1" TUBE										1		
	5196119	SPACER, 13/32" I.D. X 7/8" (5.4025)										1		
	5159347	SPACER, 3/4" X 1/2" (7.1581)												1
	5174085	SPACER, 15/32" I.D. X 3/8" (2.7960)	1											
	179816	BOLT, 5/16"-18X3/4" (12.9001)	1											
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)												1
	179835	BOLT, 3/8"-16X5/8" (12.9001)										1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)				1	1	1	1				1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)								1				
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)										1		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	1											
	103342	WASHER, 7/16" (12.9190)	1											
	103320	LOCKWASHER, 5/16" (12.9200)	1											1
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR	AR		AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)	1											
	120376	NUT, 5/16"-18 (12.9120)	1											
	102635	NUT, 3/8"-16 (12.9120)				1	1	1	1	1				
		# FIG. 10G. OF 1.0000.												
		4.8042 - SUPPORT, BREATHER TUBE CLIP												
	5173189	BRACKET (9.1591)				1	1	1	1					
	5173022	BRACKET (5.5379)								1				
	5114541	BRACKET, CLIP (7.1585)								1				
	5184060	SUPPORT, CLIP (4.6040)	1											
	5196119	SPACER, 13/32" I.D. X 7/8" (5.4025)				1	1	1	1					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1											
	186285	BOLT, 3/8"-16X4" (12.9001)								1				
	186314	BOLT, 3/8"-24X4 1/4" (12.9001)				1	1	1	1					
	103321	LOCKWASHER, 3/8" (12.9200)	1											
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
8A,B	5163918	ELEMENT		1										
8A,B	5104007	ELEMENT			1									

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4.8000A VENTILATING SYSTEM

4.8175 - HOSE, BREATHER EXTENSION

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 302	303	304	313	314	319	320	342	344	351	353	355
	5129751	HOSE, 1" I.D. (FORMED)	1											
	5130140	HOSE, 1" I.D. (FORMED ELBOW)				1	1	1	1	1	1	1		
	5118149	* HOSE, 1" I.D. X 5" L. (4.1642)											1	
	5118149	* HOSE (1" I.D. X 2 1/2" L. (4.1642)												1
8C	272857	CLAMP, 1" HOSE, SPRING TYPE (12.9660)				2	2	2	2			2		2
	111612	CLAMP, 1 3/8" HOSE (12.9660)	2							2	2		2	
	5186840	CLAMP, 1 1/2" HOSE (12.9660)												

* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	371	377	379	383	400	406	411	420	433	437	440
		4.8001 - PIPE, BREATHER												
		A PIPE ASSY. (PLAIN) INCLUDES PLUG IN 4.8001 AND FILTER IN 4.8060.												
		A PIPE ASSY. (WITH OIL FILLER) INCLUDES FILLER CAP CHAIN IN 4.5030.												
	5137034	PIPE, 3-53												1
	5150829	PLUG, 7/8" CUP											1	
	179839	BOLT, 3/8"-16X1" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2
		4.8010 - EXTENSION, BREATHER PIPE												
#	5131319	PIPE, 2-53 (1"O.D.X23" DEV. L.)	1											
#	5133525	PIPE, 4-53 (1"O.D.X29.50" DEV. L.)		1										
	5133941	PIPE,8V53 (1 1/2"O.D.X29.26" DEV. L.)			1	1						1		
	5134469	+ PIPE,8V53 (1"O.D.X32.62" DEV. L.)				1						1		
	5134470	PIPE,8V53 (1"O.D.X22.56" DEV. L.)				1						1		
	5134627	PIPE, 8V53					1							
	5136168	PIPE, 3-53							1					
	5136634	PIPE,8V53 (1" O.D.X10" DEV. L.)								1				
	5136316	PIPE, 3-53									1			
	5137109	PIPE, 3-53												1
		# FIG. 10G OF 1.0000.												
		+ OBSOLETE.												
		4.8020 - GASKET, BREATHER TUBE												
	5156319	GASKET,3-53 (5.5610)												1
		4.8040 - CLIP, BREATHER TUBE												
	5157702	CLIP (1" TUBE)	1	1		2			1		1	2		1
	5158779	CLIP (1 1/2" TUBE) (5.5376)			1	1						1		
	5155664	CLIP (1" TUBE) (4.1570)					1			1				
	120228	BOLT, 5/16"-18X5/8" (12.9001)					1			1				
	186618	BOLT, 5/16"-18X5/8" (12.9001)												2
	179816	BOLT, 5/16"-18X3/4" (12.9001)			1	1						1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1											
	181361	BOLT, 3/8"-24X7/8" (12.9001)							1					
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)				1						1		
	5170489	BOLT, 3/8"-24X3 9/16" LOCK (12.9001)				1						1		
	120393	WASHER, 5/16" (12.9190)				1						1		2
	103341	WASHER, 3/8" (12.9190)							1					
	103320	LOCKWASHER, 5/16" (12.9200)			1	1	1			1		1		2

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	371	377	379	383	400	406	411	420	433	437	440
		4.8040 - CLIP, BREATHER TUBE (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)	AR		1	1	1		AR	1		1		2
	120376	NUT, 5/16"-18 (12.9120)												
	102635	NUT, 3/8"-16 (12.9120)	1						1					
	117049	NUT, 3/8"-24 (12.9120)												
		4.8042 - SUPPORT, BREATHER TUBE CLIP												
	5173022	BRACKET (5.5379)	1						1			1		2
	5155464	BRACKET (7.1582)				1								
	5134534	BRACKET (7.8203)								1				
	5177331	SUPPORT (4.8042)			1									1
	106973	BOLT, 5/16"-18X1/2" (12.9001)								1				
	120228	BOLT, 5/16"-18X5/8" (12.9001)												1
	179839	BOLT, 3/8"-16X1" (12.9001)												1
	120393	WASHER, 11/32"X11/16"CAD. (12.9190)												1
	103341	WASHER, 3/8" (12.9190)												1
	103320	LOCKWASHER, 5/16" (12.9200)								1				1
	120376	NUT, 5/16"-18 (12.9120)								1				
		4.8050 - BODY, BREATHER												
	5134318	+ BODY			1	1						1		
	5138044	BODY											1	
38	5121057	BODY ASSY. (INCLUDES INTEGRAL BREATHER TUBE)						1						
	186647	BOLT, 1/4"-20X1" (12.9001)			3	3						3		
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)			4	4						4		
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)						2					2	
	120392	WASHER, 9/32" (12.9190)										7		
	120393	WASHER, 5/16" (12.9190)			7	7								
		+ OBSOLETE												
		4.8060 - FILTER UNIT, BREATHER OIL SEPARATOR												
	5132814	ELEMENT 8V53			1	1						1		
	5137183	ELEMENT 8V53											1	
	5104007	ELEMENT 3,4-53												
		4.8070 - GASKET, BREATHER BODY												
	5132774	GASKET, 8V53			1	1						1		

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4.8000A VENTILATING SYSTEM

4.8175 - HOSE, BREATHER EXTENSION PIPE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	371	377	379	383	400	406	411	420	433	437	440
	5118149	* HOSE, 1" I.D. X 2" L. (4.1642)	1						1					
	5130140	HOSE, 1" I.D. (FORMED ELBOW)		1		2				2		2		2
	5163930	* HOSE, 1 1/2" I.D. X 2 3/4" L. (5.3290)			1	1						1		
	5130140	HOSE, 1" I.D. (FORMED ELBOW)						1						
	5118149	* HOSE, 1" I.D. X 5" L. (4.1642)									1			
	272857	CLAMP, 1" HOSE, SPRING TYPE (12.9660)	2	2		4	2		2	2	2	4		
	5186840	CLAMP, 1 1/2" HOSE (12.9660)												6
	2337379	CLAMP, 1 1/2" HOSE (12.9660)			2	2						2		

* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 441	446	456	462	463	473	491	533	541	577	585
		4.8001 - PIPE ASSY., BREATHER											
		A PIPE ASSY. (PLAIN) INCLUDES PLUG IN 4.8001 AND FILTER IN 4.8060. A PIPE ASSY. (WITH OIL FILLER) INCLUDES FILLER CAP CHAIN IN 4.5030.											
	5138954	+ PIPE, 4-53				1							
	5139042	+ PIPE, 4-53					1						
	5145442	+ PIPE, 8V53										1	
	5145443	+ PIPE, 8V53										1	
	5145046	PIPE, 8V53										1	
	5150829	PLUG, 7/8" CUP	1										
	186625	BOLT, 5/16"-18X7/8" (12.9001)										4	
	120393	WASHER, 5/16" (12.9190)										2	
	103320	LOCKWASHER, 5/16" (12.9200)										4	
		+ OBSOLETE											
		4.8010 - EXTENSION, BREATHER TUBE											
	5133941	PIPE, 8V53 (1 1/2"O.D.X29.26" DEV. L.)		1						1			
	5134470	PIPE, 8V53 (1"O.D.X22.56" DEV. L.)								1			
	5136634	PIPE, 8V53 (1" O.D.X10" DEV. L.)									1		
	5138379	PIPE, 6V53			1								
	5109983	PIPE, 3,4-53						1					
	5144205	PIPE, 8V53									1		
	5145353	PIPE, 8V53 (1"O.D.X26 11/32" L.)									1		
	5116262	PIPE, 8V53 (1.2069)										4	
	5144906	PIPE, 3-53										1	
		4.8020 - GASKET BREATHER TUBE											
	5145447	SEAL RING (4.8174)										4	
		4.8040 - CLIP, BREATHER TUBE											
	5157702	CLIP (1" TUBE)						1		1	1		
	5144149	CLIP (1" TUBE)									2		
	5158779	CLIP (1 1/2" TUBE) (5.5376)		1						1			
	5155664	CLIP (1" TUBE) (4.1570)									2		
	5177001	CLIP (7/8") (8.3801)			1								
	5187661	CLIP (1 1/4") (4.8183)				1	1				1		
	120228	BOLT, 5/16"-18X5/8" (12.9001)											
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1						1			

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4.8000A VENTILATING SYSTEM

PART NUMBER	NAME AND DESCRIPTION	TYPES 441	446	456	462	463	473	491	533	541	577	585
	4.8040 - CLIP, BREATHER TUBE (CONT'D)											
186625	BOLT, 5/16"-18X7/8" (12.9001)				1							
181333	BOLT, 5/16"-24 X 5/8" (12.9001)						1					
179833	BOLT, 3/8"-16X1/2" (12.9001)			1								
180120	BOLT, 3/8"-16X3/4" (12.9001)									1		
181360	BOLT, 3/8"-24X3/4" (12.9001)				1	1						
5170489	BOLT, 3/8"-24X3 9/16" LOCK (12.9001)								1			
179857	BOLT, 7/16"-14X7/8" (12.9001)			1								
179858	BOLT, 7/16"-14X1" (12.9001)									1		
120393	WASHER, 5/16" (12.9190)									2		
103341	WASHER, 3/8" (12.9190)				1	1				1		
103342	WASHER, 7/16" (12.9190)									1		
103320	LOCKWASHER, 5/16" (12.9200)		1		1				2	1		
103321	LOCKWASHER, 3/8" (12.9200)			1	AR	AR	1			1		
103322	LOCKWASHER, 7/16" (12.9200)			1						1		
120376	NUT, 5/16"-18 (12.9120)		1						1	1		
114493	NUT, 5/16"-24 (2.7170)						1					
102635	NUT, 3/8"-16 (12.9120)									1		
117049	NUT, 3/8"-24 (12.9120)				1	1						
	4.8042 - SUPPORT, BREATHER TUBE CLIP											
5155464	BRACKET (7.1582)						1		1			
5134634	BRACKET (7.8203)									1		
5159398	BRACKET									1		
5145437	BRACKET										1	
5145508	BRACKET										1	
5177331	SUPPORT (4.8042)		1									
5179861	SUPPORT (7.3245)				1	1						
120228	BOLT, 5/16"-18X5/8" (12.9001)									1		
186625	BOLT, 5/16"-18X7/8" (12.9001)					1						
179837	BOLT, 3/8"-16X3/4" (12.9001)									1		
103320	LOCKWASHER, 5/16" (12.9200)					1				1		
103321	LOCKWASHER, 3/8" (12.9200)								AR		AR	
120376	NUT, 5/16"-18 (12.9120)									1		
	4.8045 - BREATHER ASSY.											
	FOR COMPONENTS OF BREATHER ASSY. SEE ASSY. BREAKDOWN, PAGE A1.											
5110384	BREATHER ASSY., 4-53				1	1						
148148	SPRING, RETAINER 1/4" (12.9640)				1	1						
186624	BOLT, 5/16"-18X1 1/4" (12.9001)				1	1						
	4.8050 - BODY, BREATHER											
5134318	+ BODY, 8V53		1						1			
5114263	BODY, 4-53	1			1	1						
5121057	BODY ASSY., 3.53 (INCLUDES INTEGRAL BREATHER TUBE)	1										

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4411	4446	4556	4662	4663	4773	4911	5333	5411	5577	5885
		4.8050 - BODY, BREATHER OR SEPARATOR (CONT'D)											
	186647	BOLT, 1/4"-20X1" (12.9001)		3						3			
	179802	BOLT, 1/4"-20X1 5/8" (12.9001)		4						4			
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				4	4						
	120392	WASHER, 1/4" (12.9190)		7						7			
	103321	LOCKWASHER, 3/8" (12.9200)				4	4						
		+ OBSOLETE											
		4.8055 - SHELL, BREATHER											
8D	2443795	COVER, 8V53											1
8D	5104265	CLAMP, 8V53											1
		4.8057 - GASKET, BREATHER SHELL COVER											
	5179282	GASKET, 8V53 (BETWEEN BREATHER ASSY. AND BODY)				1	1						
		4.8060 - FILTER UNIT, BREATHER											
	5137183	FILTER, 8V53		1						1			
	5104007	FILTER, 3,4-53	1										
	5119481	FILTER, 8V53									1		
8D	5101760	ELEMENT, 8V53											1
8D	5132042	SCREEN, 8V53											2
8D	5131951	RETAINER, 8V53											2
		4.8070 - GASKET, BREATHER BODY OR SEPARATOR											
	5132774	GASKET, 8V53		1						1		1	
	5183199	GASKET, 4-53				1	1						
8D	5144038	GASKET, 8V53											1
		4.8175 - HOSE, BREATHER EXTENSION											
	5130140	HOSE (1"I.D.) (FORMED ELBOW)							1	1	2		
	5163930	* HOSE (1 1/2" I.D. X 2 3/4" L.) (5.3290)		1						1			
	5141191	HOSE (1 I.D.X5 L.) (5.3432)						1					

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4.8000A VENTILATING SYSTEM

PART NUMBER	NAME AND DESCRIPTION	TYPES 441	446	456	462	463	473	491	533	541	577	585
	4.8175 - HOSE, BREATHER EXTENSION (CONT'D)											
5129064	* HOSE (7/8"I.D.) (4.8001)			1								
5120022	* HOSE (1 1/4" I.D. X 1 3/4" L.) (4.8010)				1	1						
5169721	* HOSE (7/8" X 20" L.) (4.8010)										1	
5169721	* HOSE (7/8" X 17" L.) (4.8010)										2	
5169721	* HOSE (7/8" X 15") (4.8010)										1	
5142594	HOSE (16"X3 1/2")										2	
5130627	HOSE (1 1/8"X4 5/16") (3.5505)										1	
272857	CLAMP, 1" HOSE, SPRING TYPE (12.9660)								2			
111609	CLAMP, 1 3/16" HOSE (12.9660)			2								
2337379	CLAMP, 1 1/2" HOSE (12.9660)		2						2			
5186840	CLAMP, 1 1/2" (12.9660)						2	1		6	14	
272859	CLAMP, 1 5/8" (12.9600)				2	2						
	* STD. LENGTH, HOSE CUT TO LENGTH SHOWN.											
	4.8183 - BRACKET, BREATHER EXTENSION PIPE											
5145197	PIPE, 8V53										1	
5143815	SUPPORT, 8V53										2	
179839	BOLT, 3/8"-16X1" (12.9001)										2	
103321	LOCKWASHER, 3/8" (12.9200)										2	
	4.8190 - TUBE, BREATHER TUBE TO DRAIN TANK											
5145441	PIPE, OIL DRAIN 8V53										2	
5145440	PIPE, 90 DEG. 8V53										2	
5142549	PLUG, 3/4"-14 NPTF (12.9550)										3	
	4.8195 - COVER, BREATHER HOLE-IN BLOCK											
5144203	COVER, 8V53 (TO GOVERNOR)									1		
5175683	ELBOW (5.1235)									1		
179796	BOLT, 1/4"-20X7/8" (12.9001)									7	7	
120392	WASHER, 1/4" (12.9190)									7	7	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6755	7167	7277	7556	7772	7955	7988	8000	8111	8391	8411
		4.8001 - PIPE ASSY., BREATHER											
8A	**5140282**	PIPE ASSY., 3,4-53	1										
8A,B	**180078**	BOLT, 5/16"-18X7/8" (12.9001)	2										
8A,B	**103320**	LOCKWASHER, 5/16" (12.9200)	2										
		4.8010 - EXTENSION, BREATHER TUBE											
8C	**5105041**	TUBE, 1" DIA. X 29.20" L.				1							
	5129063	PIPE, DEV. L. 14.20" (4.8001)									1		
		4.8020 - GASKET BREATHER TUBE											
8A,B	**5163299**	GASKET, 3,4-53	1										
		4.8040 - CLIP, BREATHER TUBE											
8C	**5157702**	CLIP, 1" TUBE	1										
	5177001	CLIP, 7/8" TUBE (8.3801)									1		
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1										
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)									1		
	5123429	SPACER (2.3530)									1		
	103341	WASHER, 3/8" (12.9190)	1										
	103321	LOCKWASHER, 3/8" (12.9200)	1										
	102635	NUT, 3/8"-16 (12.9120)	1										
		4.8042 - SUPPORT, BREATHER TUBE CLIP											
	5125920	BRACKET	1										
	5105098	BRACKET		1									
	179795	BOLT, 1/4"-20X3/4" (12.9001)		1									
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1										
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1									
	103341	WASHER, 3/8" (12.9190)	1										
	103319	LOCKWASHER, 1/4" (12.9200)		1									
	103321	LOCKWASHER, 3/8" (12.9200)	1										
	120375	NUT, 1/4"-20 (12.9120)		1									
		4.8050 - BODY, BREATHER OR SEPARATOR											
	5163908	SEPARATOR ASSY., 3,4-53	1										
	3222765	BUSHING (2.8925)	1										
	179858	BOLT, 7/16"-14X1" (12.9001)	1										
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4										
		4.8055 - SHELL, BREATHER											
	5103648	SHELL ASSY.			1							2	
8D	**5103059**	COVER ASSY.				2		1					2
8D	**2443795**	COVER ASSY., 4" DIA.								2			
8D	**5104265**	CLAMP ASSY., 4" DIA.				2		1		2			2
	5103647	RETAINER			1							2	

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6775	7116	7227	7556	7722	7955	7988	8000	8111	8389	8441
		4.8055 - SHELL, BREATHER (CONT'D)											
	5103642	SCREW, #10-24X.375"			3							3	
		4.8057 - GASKET, BREATHER SHELL COVER											
	5103646	SEAL			1							2	
	5131952	SHELL (1.8450)											1
		4.8060 - FILTER UNIT, BREATHER											
	5190344	+ FILTER UNIT, 3,4-53	1										
8D	**5132042**	SCREEN, 6V-53				2		2		4			1
8D	**5101760**	ELEMENT, 6V-53			1	1		1		2		2	
8D	**5131951**	RETAINER, 6V-53				2		2		4			
	5103636	RETAINER, BREATHER ELEMENT			1							2	
		+ NOT SERVICED, USE 5163918 AND 5163919.											
		4.8070 - GASKET, BREATHER BODY OR SEPARATOR											
8D	**5163910**	GASKET, 3,4-53	1										
8D	**5144038**	GASKET, 6V-53				2		1		2			2
		4.8175 - HOSE, BREATHER EXTENSION											
8C	**5120022**	* HOSE, 1 1/4" X 3.26" L. (4.8010)					1						
8C	**5120022**	* HOSE, 1 1/4" X 2.26" L. (4.8010)					1						
8C	**5134824**	HOSE, 1"X36" L. (1.1155)							1				
8C	**5129064**	HOSE, 7/8"X2" L. (4.8001)									1		
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		4.8180 - CLAMP, BREATHER EXTENSION PIPE HOSE											
8C	**272859**	CLAMP, 1 1/4" HOSE (12.9660)					2						
8C	**9139801**	CLAMP, 5/8" HOSE (12.9660)							1				
	5186840	CLAMP, 1 1/2" HOSE (12.9660)									2		
	5181415	CLIP, 1 1/8" (5.5390)							1				
	5101020	STRAP, NYLON (2.5255)							1				
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1				
	103341	WASHER, 3/8" (12.9190)							1				
	103321	LOCKWASHER, 3/8" (12.9200)							1				

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4.8000A VENTILATING SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		4.8045 - BREATHER ASSY.	
	5110384	BREATHER ASSY.	1
		4.8055 - SHELL, BREATHER	
8D	2443795	COVER ASSY. (4")	1
8D	5104265	CLAMP ASSY.	1
		4.8060 - FILTER UNIT, BREATHER	
	5101760	ELEMENT	1
		4.8070 - GASKET, BREATHER SEPARATOR	
8D	5144038	GASKET	1

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 *COOLING SYSTEM (CONT'D)*
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

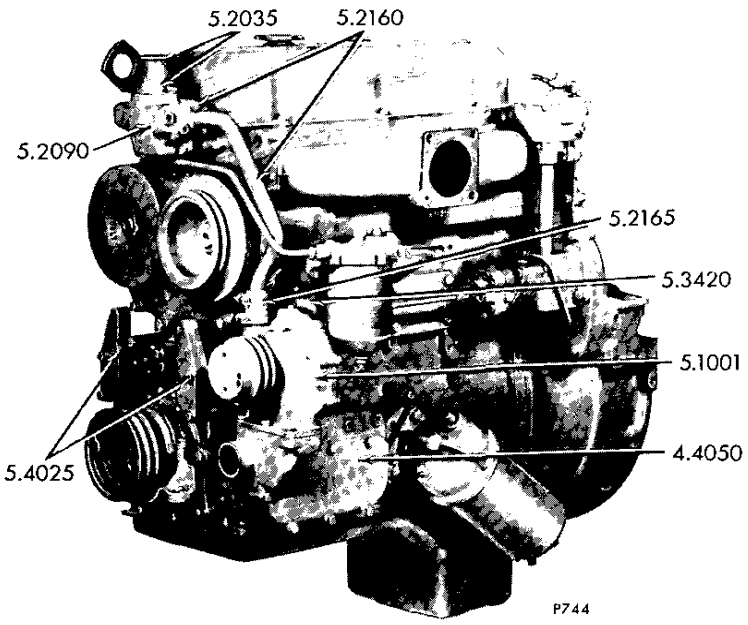


FIG. 1A TYPICAL COOLING SYSTEM (In-Line Engine)

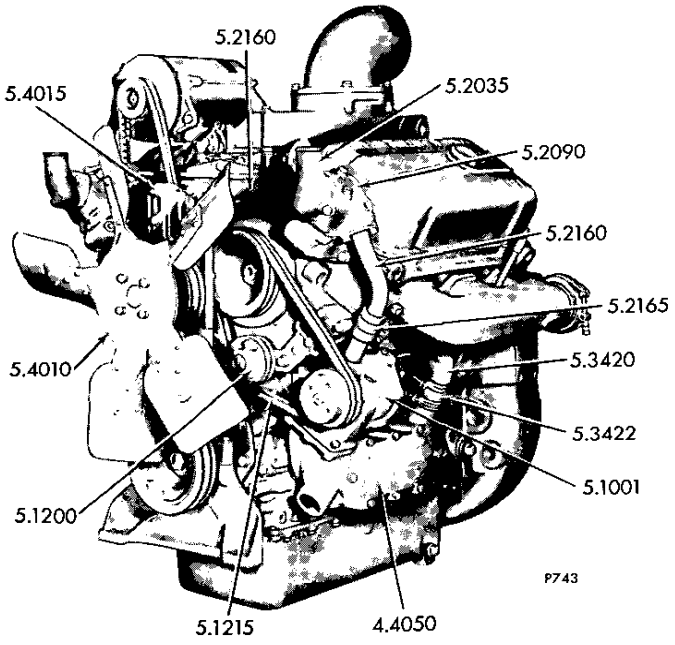


FIG. 1B TYPICAL COOLING SYSTEM (V-Engine)

Figs. 1A & 1B of 5.0000

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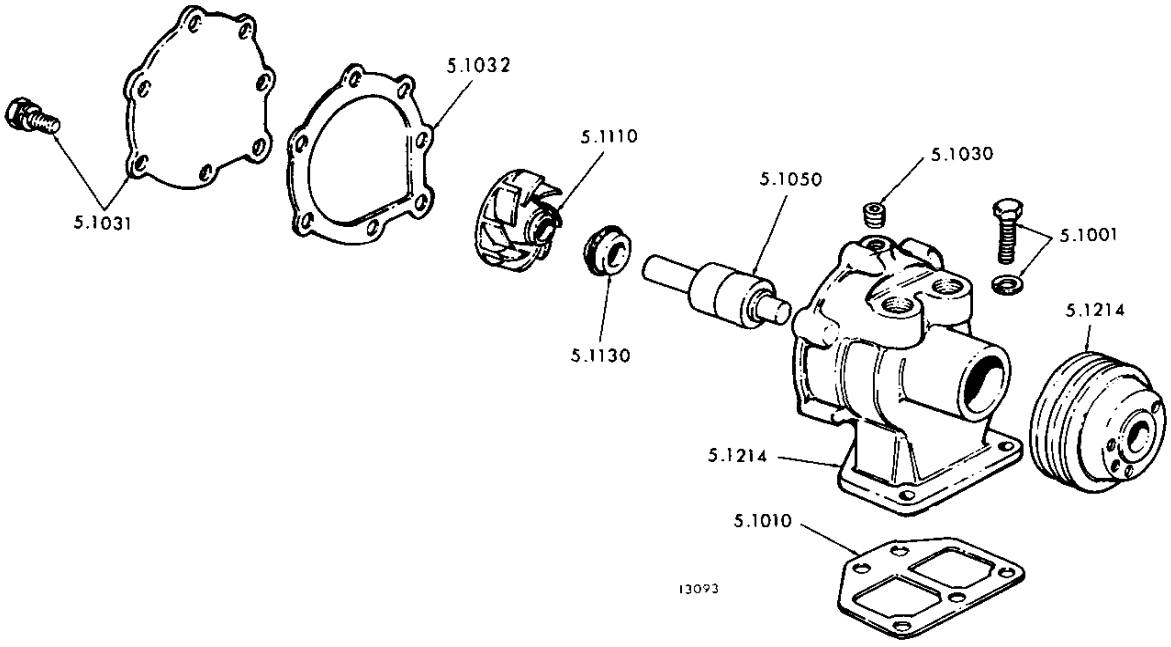


FIG. 2A FRESH WATER PUMP

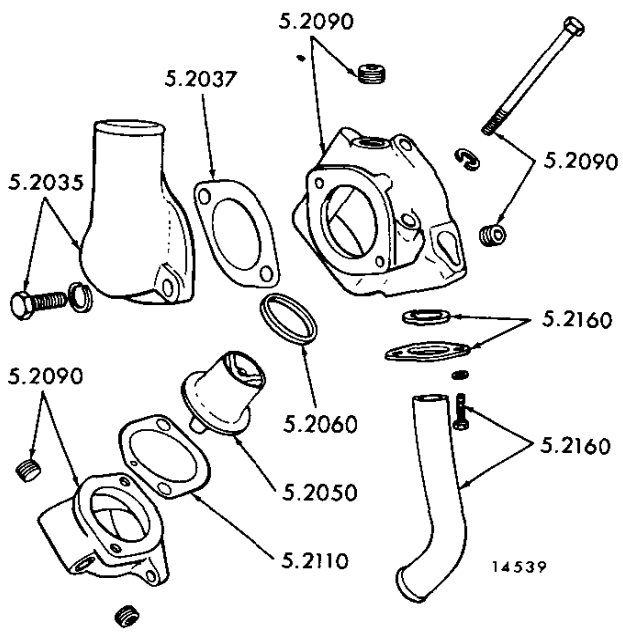


FIG. 3A THERMOSTAT
(V-Models)

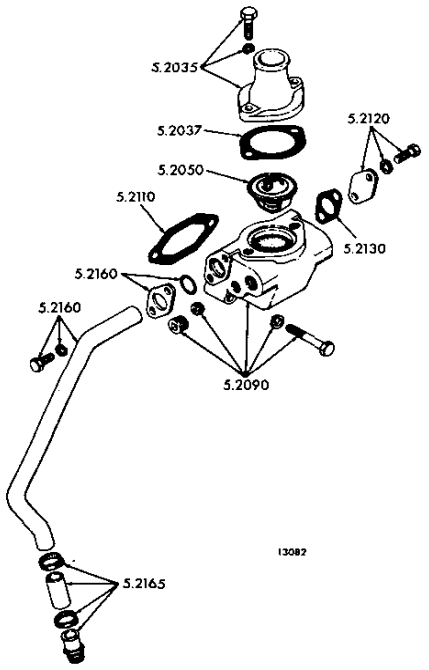


FIG. 3B THERMOSTAT
(In-Line Models)

Figs. 2A, 3A & 3B of 5.0000

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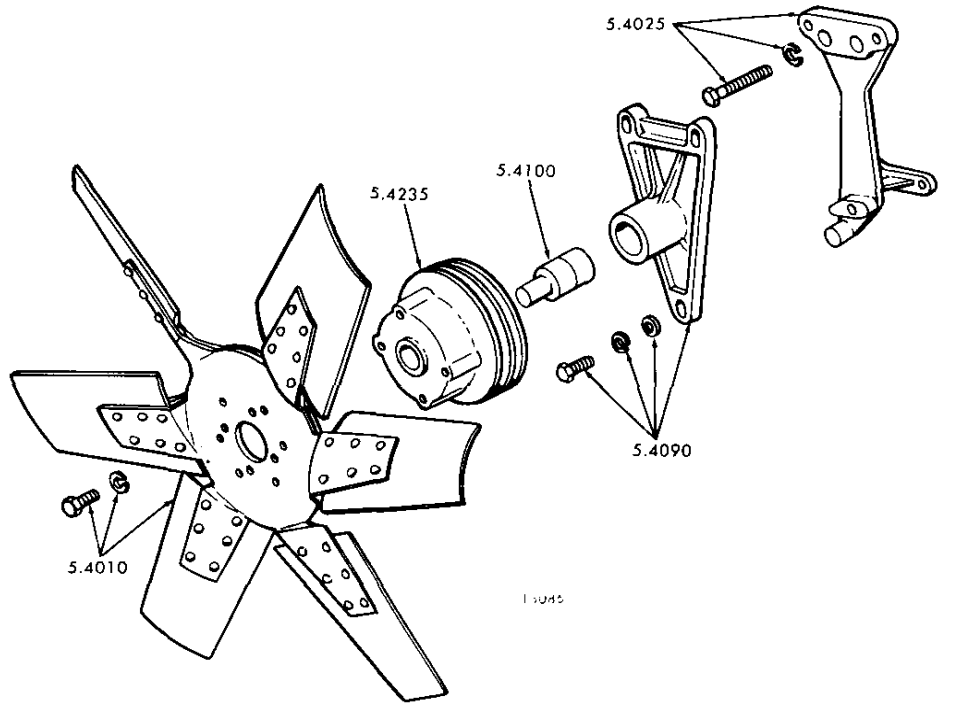


FIG. 4A FAN SHAFT & PULLEY

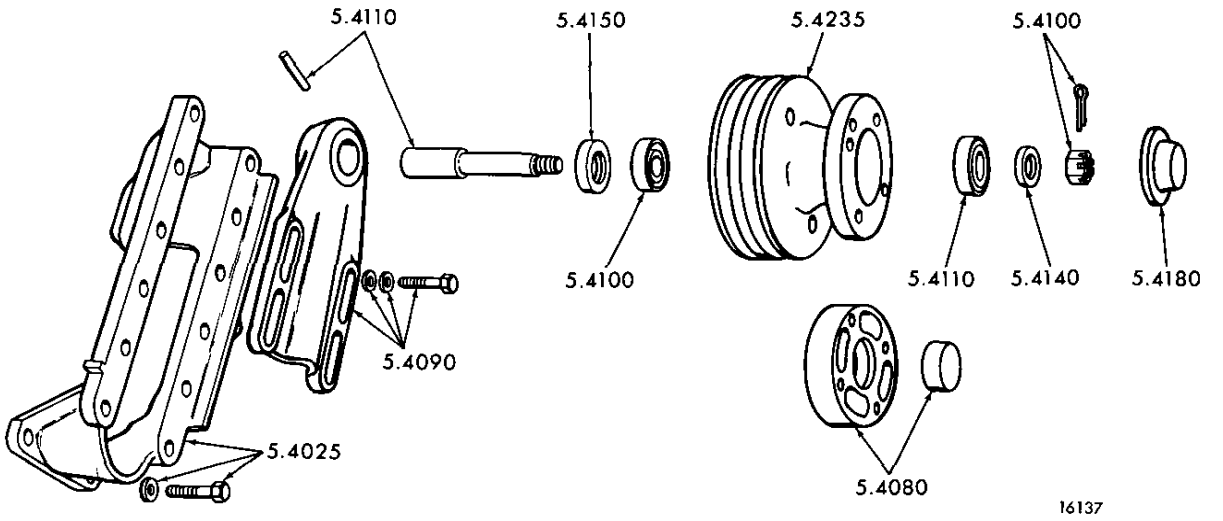


FIG. 4B FAN SHAFT & PULLEY

Figs. 4A & 4B of 5.0000

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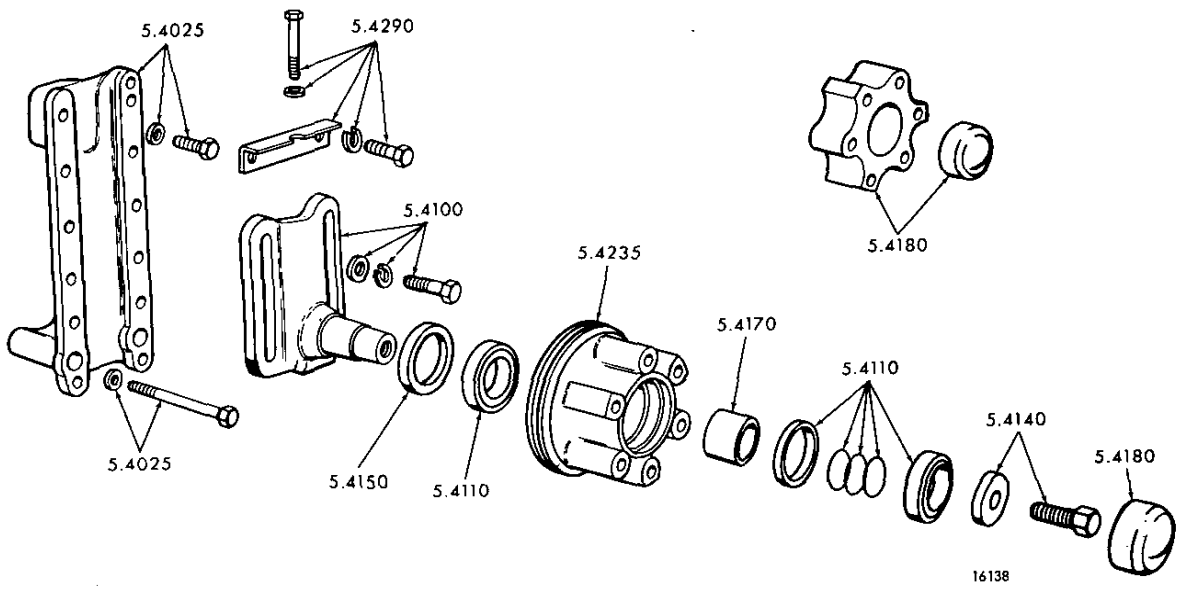


FIG. 4C FAN SHAFT & PULLEY

Fig. 4C of 5.0000

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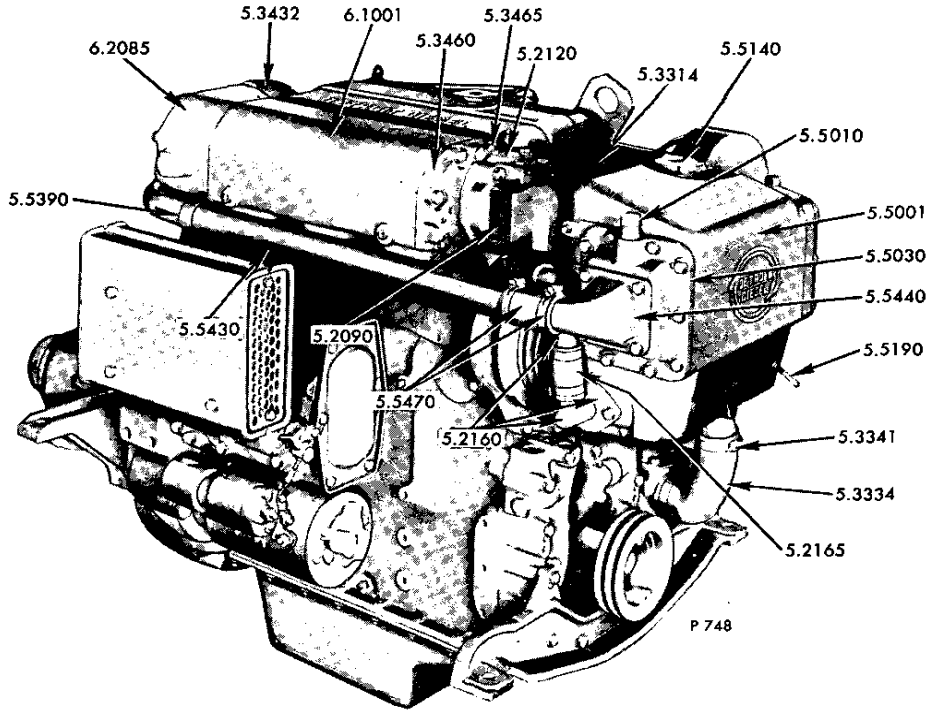


FIG. 5A TYPICAL HEAT EXCHANGER COOLING SYSTEM (In-Line Model)

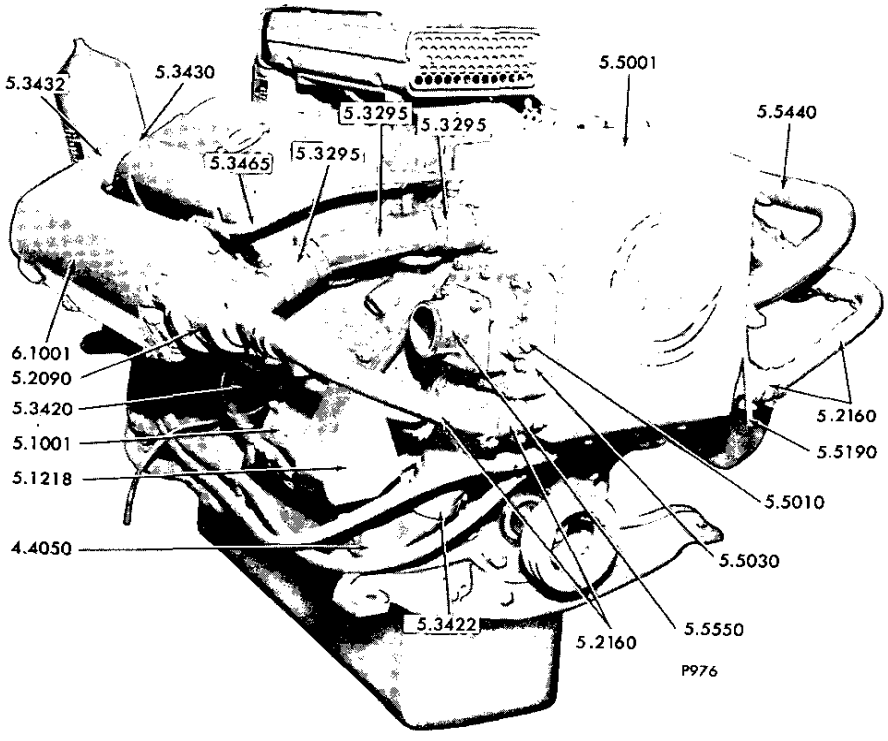


FIG. 5B TYPICAL HEAT EXCHANGER COOLING SYSTEM (V-Model)

Figs. 5A & 5B of 5.0000

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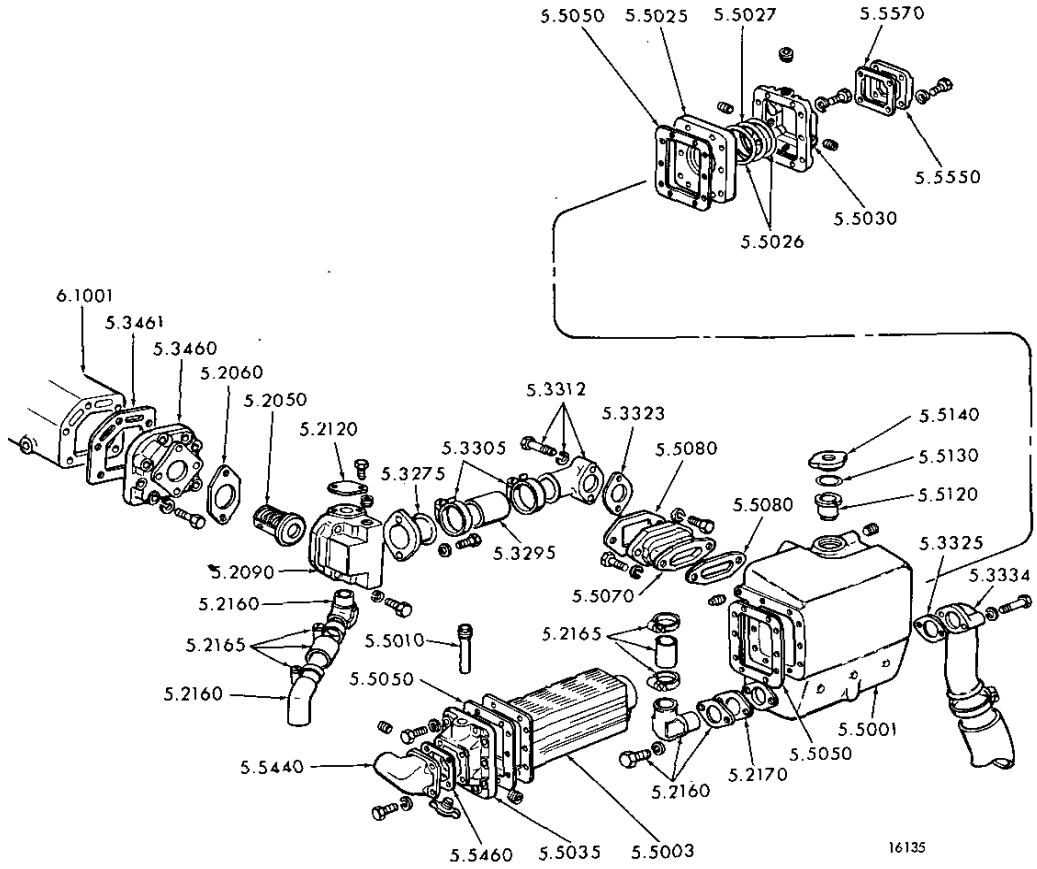


FIG. 6A HEAT EXCHANGER (In-Line Models)

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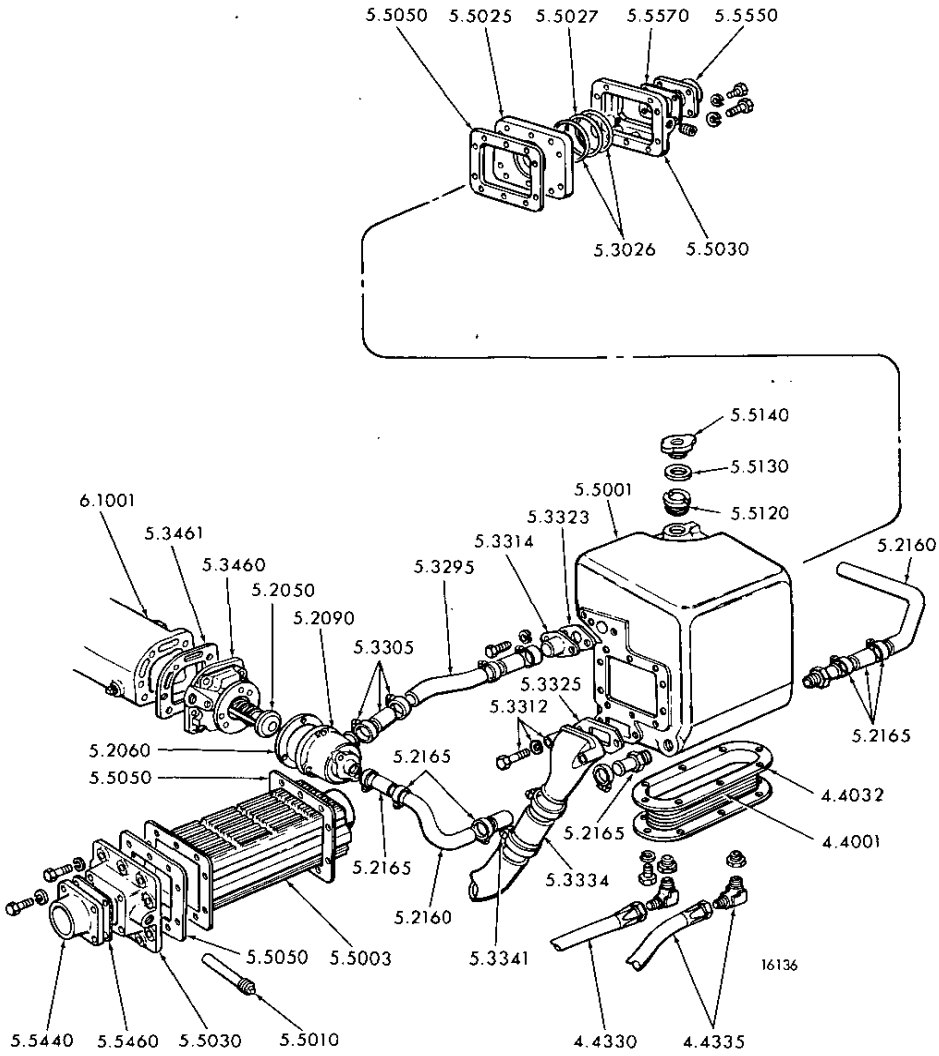


FIG. 6B HEAT EXCHANGER (V-Models)

Fig. 6B of 5.0000

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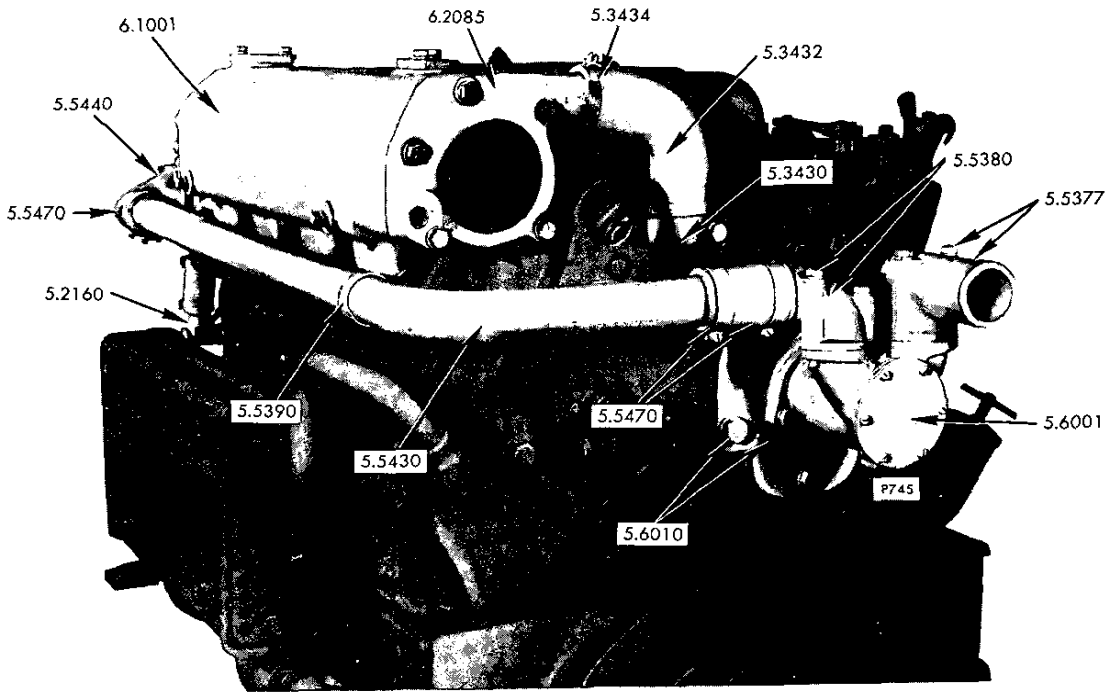


FIG. 7A TYPICAL RAW WATER PUMP INSTALLATION (In-Line Engines)

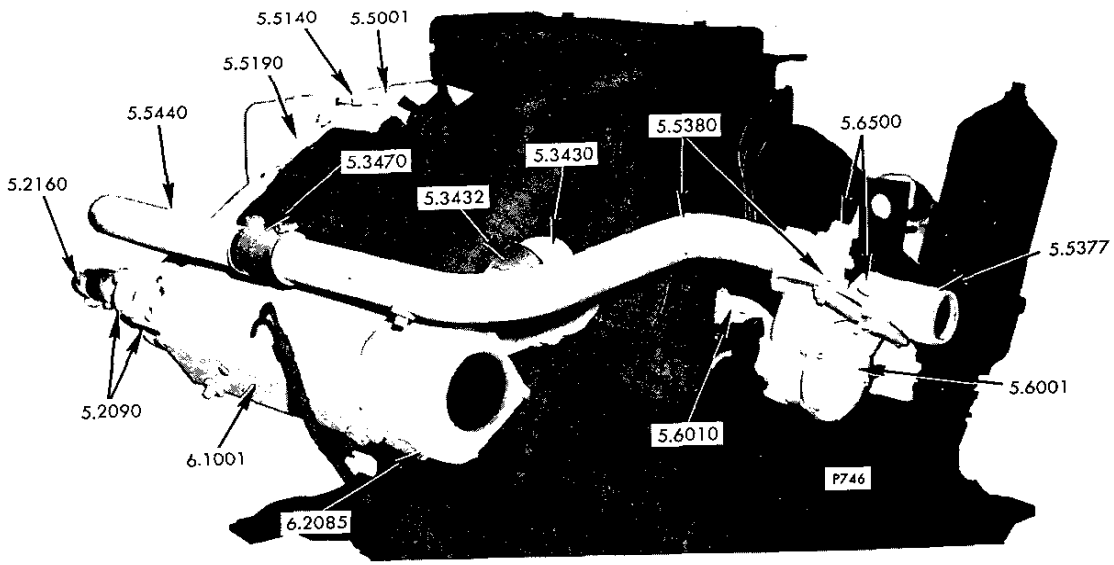


FIG. 7B TYPICAL RAW WATER PUMP INSTALLATION (V-Engines)

Figs. 7A & 7B of 5.0000

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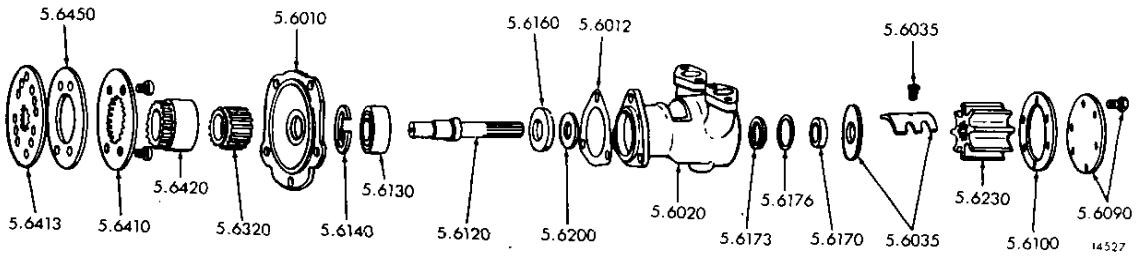


FIG. 8A RAW WATER PUMP (In-Line Models)

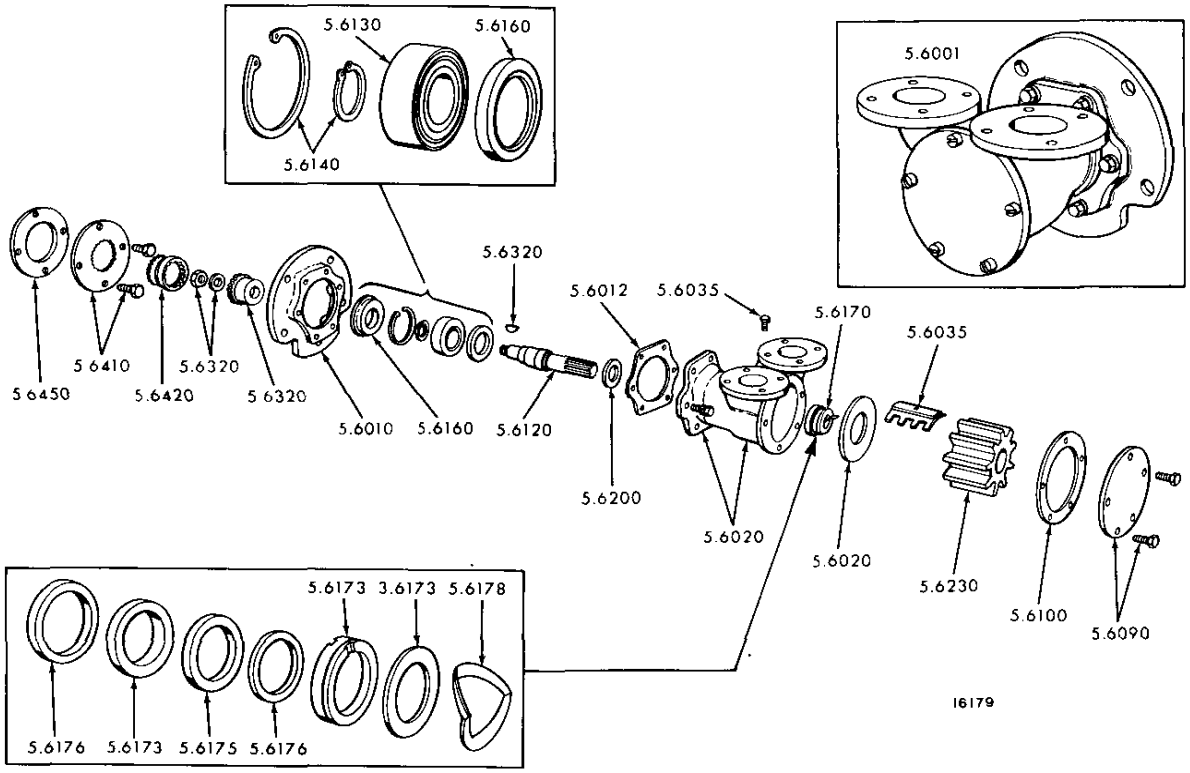


FIG. 8B RAW WATER PUMP (V-Models)

Figs. 8A & 8B of 5.0000

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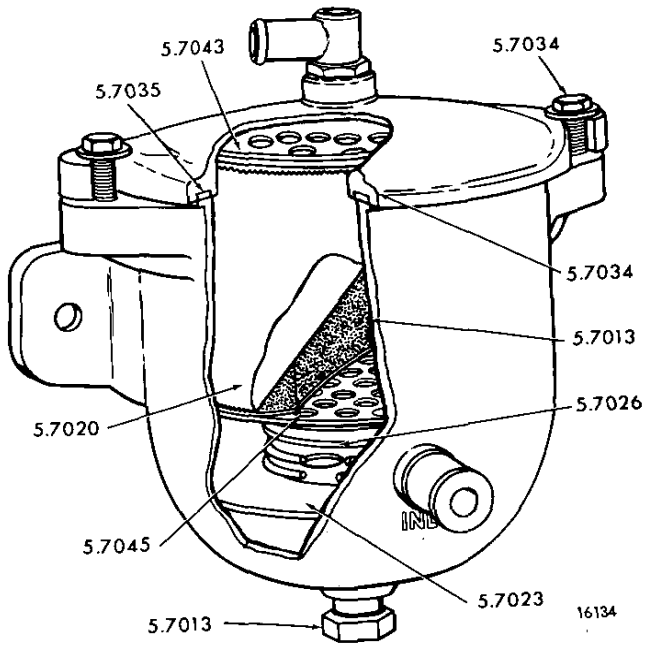


FIG. 9A WATER FILTER (Perry)

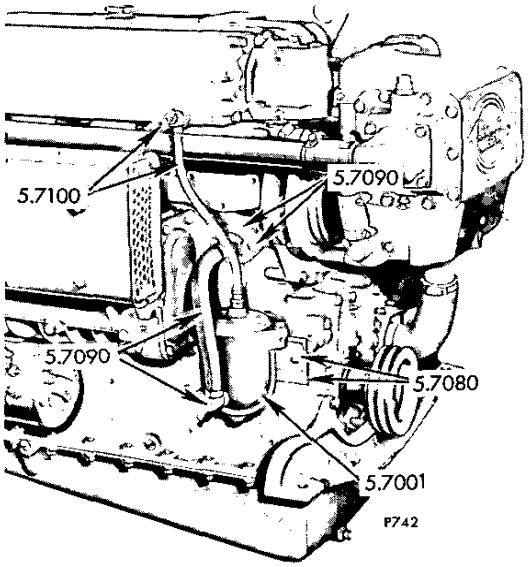


FIG. 9B TYPICAL WATER FILTER INSTALLATION

Figs. 9A & 9B of 5.0000

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	46	47	53	54	57	58	59
		5.1001 - PUMP ASSY., FRESH WATER												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
1A	**5195982**	* PUMP ASSY., 2,3,4-53 (L. H. ROTATION) (PAGE A1)	1					1	1					
1A	**5195983**	* PUMP ASSY., 2,3,4,6V53 (R.H. ROTATION) (PAGE A1)		1		1	1							1
1A	**5121216**	* PUMP ASSY., 2-53 (R.H. ROTATION) (PAGE A1)			1									
1A	**5123801**	* PUMP ASSY., 2-53 (R. H. ROTATION) (PAGE A1)								1				
1A	**5124349**	* PUMP ASSY., 2-53 (R.H. ROTATION) (PAGE A1)									1			
1B	**5121478**	* PUMP ASSY., 6V53 (R.H. ROTATION) (C ENG.) (PAGE A1)										1		
1B	**5121477**	* PUMP ASSY., 6V53 (L.H. ROTATION) (A ENG.) (PAGE B1)											1	
	186625	@ BOLT, 5/16"-18X7/8" (12.9001)	5	5	5	5	5	5	5	5	5	4	4	5
	9421623	BOLT, 5/16"-18 X 7/8" (FRONT INSIDE HOLE) (12.9027)										1	1	
	179828	# BOLT, 5/16"-18X2 1/2" (12.9001)			2									
	103320	LOCKWASHER, 5/16" (12.9200)	5	5	5	5	5	5	5	5	5	4	4	5
	114493	# NUT, 5/16"-24 (12.9120)			3									
		* NOT SERVICED, REFER TO CONVERSION CHART AT BEGINNING OF SECTION FOR REPLACEMENT PUMP AND ITEMS THAT MAY BE REQUIRED TO CONVERT TO NEW PUMP.												
		@ EFFECTIVE WITH 2D-761 ON TYPE 40.												
		# THRU 2D-760.												
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP												
		INCLUDES ITEMS IN 5.1010, 5.1032, 5.1050, 5.1110 AND 5.1130.												
	5199535	RECONDITIONING KIT, 2,3,4,6V53 (L.H. ROTATION PUMP)	AR					AR	AR				AR	
	5199536	RECONDITIONING KIT, 2,3,4,6V53 (R.H. ROTATION PUMP)		AR	AR	AR	AR			AR	AR	AR		AR
		5.1003 - TUBE, FRESH WATER PUMP VENT												
	5123166	TUBE ASSY., 3,4-53				1	1	1	1					
	5128855	TUBE ASSY., 3,4-53												1
	225810	ELBOW, 1/4" TUBE 90 DEG. (12.9480)				2	2	2	2					1
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)				1	1	1	1					

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	46	47	53	54	57	58	59
		5.1003 - TUBE, FRESH WATER PUMP VENT (CONT'D)												
	187321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)												1
		5.1005 - ADAPTOR, FRESH WATER PUMP												
	5121390	* + ADAPTOR, 2-53			1						1			
	5124265	# + ADAPTOR, 2-53			1									
	5124245	* + SPACER, 2-53			1									
	5124406	* STUD, 5/16"-18-24X2.75"			3						1			
	114981	DRAINCOCK, 1/8" (12.9510)			1						3			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			3						3			
	103321	LOCKWASHER, 3/8" (12.9200)			3									
		* THRU 2D-760.												
		# EFFECTIVE WITH 2D-761 ON TYPE 40.												
		+ OBSOLETE.												
		5.1006 - GASKET, FRESH WATER PUMP ADAPTOR												
	5175882	GASKET, 2-53 (ROUND) (4.4115)			1						1			
	5119329	GASKET, 2-53 (LONG)			1						1			
		5.1010 - GASKET, FRESH WATER PUMP												
2A	5133107	# GASKET, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1	1	1
2A	5133107	* GASKET, 2-53			2									
		# EFFECTIVE WITH 2D-761 ON TYPE 40.												
		* THRU 2D-760.												
		5.1115 - REPLACEMENT KIT, FRESH WATER PUMP SEAL SEAT												
		A REPLACEMENT KIT INCLUDES CERAMIC INSERT AND ADHESIVE.												
	5197279	REPLACEMENT KIT, IMPELLER INSERT 2,3,4,6V53	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.1200 - PULLEY, FRESH WATER PUMP IDLER												
		A PULLEY ASSY. INCLUDES PULLEY AND ADJUSTING ARM, WHICH ARE NOT SERVICED SEPARATELY, AND BEARING IN 5.1202.												

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5.1000 FRESH WATER PUMP

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	46	47	53	54	57	58	59
		5.1200 - PULLEY, FRESH WATER PUMP IDLER (CONT'D)												
1B	**5122991**	# PULLEY ASSY., 6V53 (5139405)										1		
	5122992	# PULLEY ASSY., 2,3,4,6V53 (5139237)											1	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)										2	2	
	103341	WASHER, 3/8" (12.9190)										2	2	
		# NOT SERVICED; USE PULLEY ASSY. SHOWN IN PARENTHESES.												
		5.1202 - BEARING, FRESH WATER PUMP IDLER PUMP IDLER PULLEY												
	907394	BEARING, 2,3,4,6V53										1	1	
		5.1215 - BELT, FRESH WATER PUMP DRIVE												
		NOTE: REFER TO 7.1000A OR 12.6000D FOR DRIVE BELT UNLESS LISTED BELOW.												
1B	**5139228**	BELT SET, 2,3,4,6V53 (2 BELTS) (36.76"L.X.380" W.)										1	1	

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 60	61	62	67	70	71	72	74	77	83	85	93
	5.1001 - PUMP ASSY., FRESH WATER													
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
1A	**5121216**	* PUMP ASSY., 2-53 (R.H. ROTATION) (PAGE A1)	1											
1A	**5195982**	* PUMP ASSY., 2,3,4-53 (L.H. ROTATION) (PAGE A1)		1								1		
1A	**5195983**	* PUMP ASSY., 2,3,4,6V53 (R.H. ROTATION) (PAGE A1)			1			1						
1B	**5121478**	* PUMP ASSY., 6V53 (R.H. ROTATION) (C ENG.) (PAGE A1)				1								
1A	**5109046**	* PUMP ASSY., 3,4-53 (R.H. ROTATION) (PAGE A1)					1							
1A	**5109553**	* PUMP ASSY., 3,4-53 (L.H. ROTATION) (PAGE A1)							1					
1B	**5109551**	* PUMP ASSY., 6V53 (L.H. ROTATION) (A ENG.) (PAGE B1)								1				
1B	**5109387**	* PUMP ASSY., 6V53 (L.H. ROTATION) (PAGE A1)									1			
1B	**5131602**	* PUMP ASSY., 6V53 (L.H. ROTATION) (PAGE A1)											1	
1B	**5144685**	PUMP ASSY., 6V53 (L.H. ROTATION) (PAGE C1)												1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	5	5	5	4	5	4	5	4	4	5	4	4
	9421623	BOLT, 5/16"-18 X 7/8" SOC. HD. (FRONT INSIDE HOLE) (12.9027)				1		1		1	1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)	5	5	5	4	5	4	5	4	4	5	4	4
		* NOT SERVICED, REFER TO CONVERSION CHART AT BEGINNING OF SECTION FOR REPLACEMENT PUMP AND ITEMS THAT MAY BE REQUIRED TO CONVERT TO NEW PUMP.												
	5.1002 - RECONDITIONING KIT, FRESH WATER PUMP													
		INCLUDES ITEMS IN 5.1010, 5.1032, 5.1050, 5.1110 AND 5.1130.												
	5199535	RECONDITIONING KIT, 2,3,4,6V53 (L.H. ROTATION PUMP)		AR					AR	AR	AR	AR	AR	
	5199536	RECONDITIONING KIT, 2,3,4,6V53 (R.H. ROTATION PUMP)	AR		AR	AR	AR	AR						
	5199533	RECONDITIONING KIT, 6V53 (L.H. ROTATION PUMP)												AR
	5.1003 - TUBE, FRESH WATER PUMP VENT													
	5129867	# HOSE, 1/4" I.D. X 26 3/4" L. 4-53 (7.4075)		1	1									
	5129867	# HOSE, 1/4" I.D. X 22" L. 3-53 (7.4075)		1	1									

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 60	61	62	67	70	71	72	74	77	83	85	93
		5.1003 - TUBE, FRESH WATER PUMP VENT (CONT'D)												
	5137952	TUBE ASSY., 6V53						1						
	5168001	CLIP		2	2									
	225810	ELBOW, 1/4" TUBE 90 DEG. (12.9480)		1	1			1						
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)		1	1			1						
	5114048	CONNECTOR, 1/4" HOSE X 1/4" INV. FL. TUBE SWIVEL (2.5217)		2	2									
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)						1						
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.1005 - ADAPTOR, FRESH WATER PUMP												
	5124265	+ ADAPTOR, 2-53	1											
	114981	DRAINCOCK, 1/8" (12.9510)	1											
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	3											
	103321	*LOCKWASHER, 3/8" (12.9200)*	3											
		+ OBSOLETE.												
		5.1006 - GASKET, FRESH WATER PUMP ADAPTOR												
	5175882	GASKET, 2-53 (ROUND) (4.4115)	1											
	5119329	*GASKET, 2-53 (LONG)*	1											
		5.1010 - GASKET, FRESH WATER PUMP												
A	5133107	GASKET, 2,3,4, 6V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.1115 - REPLACEMENT KIT, FRESH WATER PUMP SEAL SEAT												
		A REPLACEMENT KIT INCLUDES CERAMIC INSERT AND ADHESIVE.												
	5197279	REPLACEMENT KIT, IMPELLER INSERT 2,3,4,6V53	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.1200 - PULLEY, FRESH WATER PUMP IDLER												
		A PULLEY ASSY. INCLUDES PULLEY AND ADJUSTING ARM, WHICH ARE NOT SERVICED SEPARATELY, AND BEARING IN 5.1202.												

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 60	61	62	67	70	71	72	74	77	83	85	93
		5.1200 - PULLEY, FRESH WATER PUMP IDLER (CONT'D)												
1B	**5139237**	PULLEY ASSY., 6V53									1			
1B	**5122991**	# PULLEY ASSY., 6V53 (5139405)				1		1		1		1		1
1B	**5122992**	# PULLEY ASSY., 2,3,4,6V53 (5139237)										1		
	5164294	SPACER, 13/32"7/8"X1/8" 2,3,4-53 (7.1581)				2		2		2	2	1		2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)										1		
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)										1		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)				1		1		1	1	1		1
	103341	WASHER, 3/8" (12.9190)										2		
	103321	LOCKWASHER, 3/8" (12.9200)										2		
	117049	NUT, 3/8"-24 (12.9120)												
		# NOT SERVICED; USE PULLEY ASSY. SHOWN IN PARENTHESES.												
		5.1202 - BEARING, FRESH WATER PUMP IDLER PUMP IDLER PULLEY												
	907394	BEARING, 2,3,4,6V53				1		1		1	1	1		1
		5.1205 - BRACKET, FRESH WATER PUMP IDLER PULLEY												
	5130918	BRACKET, 2,3,4-53 (UPPER)										1		
	5130945	SUPPORT, 2,3,4-53 (LOWER)										1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)										3		
	103321	LOCKWASHER, 3/8" (12.9200)										3		
		5.1215 - BELT, FRESH WATER PUMP DRIVE												
		NOTE: REFER TO 7.1000A OR 12.6000D FOR DRIVE BELT UNLESS LISTED BELOW.												
1B	**5139228**	BELT SET, 2,3,4,6V53 (2 BELTS) (36.76"L.X.380"W.)				1		1		1	1	1		
1B	**5133177**	BELT SET, 6V53 (2 BELTS) (37.50"L.X.380"W.) (7.1575)												1
		5.1218 - GUARD, FRESH WATER PUMP DRIVE BELT												
5B	**5121437**	GUARD, 6V53				1		1						
	5129280	SPACER, 6V53 (2.90"L.)				1		1						
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)				1		1						
	120393	WASHER, 5/16" (12.9190)				2		2						
	103341	WASHER, 3/8" (12.9190)				1		1						

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 94	95	97	98	108	112	113	115	116	119	120	123
	5.1001	**- PUMP ASSY., FRESH WATER**												
		FOR TYPE 114, USE TYPE 113. SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
1B	**5135464**	@ PUMP ASSY., 6V53 (L.H. ROTATION) (PAGE B1)	1				1							
1B	**5133667**	* PUMP ASSY., 8V53 (L.H. ROTATION) (A ENG.) (PAGE B1)		1										
1B	**5198194**	* PUMP ASSY., 8V53 (L.H. ROTATION) (A ENG.) PAGE B1)			1	1								
1A	**5142051**	* PUMP ASSY., 2, 3, 4-53 (R.H. ROTATION) (PAGE B1)						1						
1A	**5195983**	* PUMP ASSY., 4-53 (R.H. ROTATION) (PAGE A1)							1					
1B	**5109387**	* PUMP ASSY., 6V53 (L.H. ROTATION) (PAGE A1)								1				
1A	**5195982**	* PUMP ASSY., 2,4-53 (L.H. ROTATION) (PAGE A1)									1			1
1A	**5136506**	* PUMP ASSY., 3-53 (L.H. ROTATION) (PAGE B1)										1		
1B	**5134191**	* PUMP ASSY., 6V53 (R.H. ROTATION) (PAGE B1)											1	
	5109886	SPACER, 1/2"I.D.X1 1/8" O.D.X.16" 3-53							2					
	186625	BOLT, 5/16"-18X7/8" (12.9001)	5	4	4	4	4	5	5	4	5	5	4	5
	9421623	BOLT, 5/16"-18 X 7/8" SOC. HD. (12.9027)		1	1	1	1			1			1	
	186689	BOLT, 1/2"-13X2" (12.9001)										2		
	120393	WASHER, 5/16" (12.9190)	AR				AR							
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)										2		
		* NOT SERVICED, REFER TO CONVERSION CHART AT BEGINNING OF SECTION FOR REPLACEMENT PUMP AND ITEMS THAT MAY BE REQUIRED TO CONVERT TO NEW PUMP.												
		@ NOT SERVICED, USE 5144500 PLUS (1) 5146217, (1)5133107 AND (1)5142549.												
	5.1002	**- RECONDITIONING KIT, FRESH WATER PUMP**												
		INCLUDES ITEMS IN 5.1010, 5.1032, 5.1050, 5.1110 AND 5.1130.												
	5199535	RECONDITIONING KIT, 6V53 (L.H. ROTATION PUMP)	1	1	1	1				1	1	1		1
	5199536	RECONDITIONING KIT, 3,4,6V53 (R.H. ROTATION PUMP)						1	1				1	

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 94	95	97	98	108	112	113	115	116	119	120	123
		5.1003 - TUBE, FRESH WATER PUMP VENT												
	5137952	TUBE ASSY., 8V53				1								
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)				1								
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/4" P.T. (12.9480)				1								
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)				1								
		5.1010 - GASKET, FRESH WATER PUMP												
2A	**5133107**	GASKET, 2,3,4,8V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.1115 - REPLACEMENT KIT, FRESH WATER PUMP SEAL SEAT												
		A REPLACEMENT KIT INCLUDES CERAMIC INSERT AND ADHESIVE.												
	5197279	REPLACEMENT KIT, IMPELLER INSERT 2,3,4,6,8V53	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.1200 - PULLEY, FRESH WATER PUMP IDLER												
		A PULLEY ASSY. INCLUDES PULLEY AND ADJUSTING ARM, WHICH ARE NOT SERVICED SEPARATELY, AND BEARING IN 5.1202.												
1B	**5122992**	# PULLEY ASSY., 2,6,8V53 (5139237)		1	1	1				1	1		1	
1B	**5122991**	# PULLEY ASSY., 2,3,4,6V53 (5139405)				1		1	1					
	5139405	PULLEY ASSY., 2,3,4-53					1					1		
1B	**5109811**	# PULLEY ASSY., 6V53 (5139237)												
	5136874	& * PULLEY ASSY., 3-53										1		
1B	**5139238**	# PULLEY ASSY., 6, 8V53 (5139237)	1											
	5136811	* PULLEY, 3-53 (5 3/5" DIA.)												
	5164294	SPACER, 13/32"X7/8"X1/8" 2,3,4-53 (7.1581)						1	1		1			1
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	2	2	2	2	2	1	2	2	1		2	1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)						1	1		1			1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)						1	1		1			1
	103341	WASHER, 3/8" (12.9190)	2	2	2	2	2	1	1	2	1		2	1

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 94	95	97	98	108	112	113	115	116	119	120	123
		5.1200 - PULLEY, FRESH WATER PUMP IDLER (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR		AR			AR
	117049	NUT, 3/8"-24 (12.9120)						2	2		2			2
		# NOT SERVICED; USE PULLEY ASSY. SHOWN IN PARENTHESES.												
		& INCLUDES PULLEY IN 5.1200 AND ALSO ITEMS IN 5.1201, 5.1202, 5.1207, 5.1208, 5.1209 AND 5.1216.												
		* OBSOLETE												
		5.1201 - ARM, IDLER PULLEY ADJUSTING												
	5136805	* ARM, 2-53 (5.4343)										1		
		* OBSOLETE												
		5.1202 - BEARING, FRESH WATER PUMP IDLER PUMP IDLER PULLEY												
	907394	BEARING, 3,4,6,8V53		1	1	1	1	1	1	1	1	1	1	1
	7450630	BEARING, 3-53 (REAR) (5.4110)										1		
	9415132	BEARING, 3-53 (FRONT) (5.4110)										1		
	5131095	RETAINER, GREASE 3,4-53 (5.4110)										1		
	5131124	SHIM, .015" (5.4110)										1		
	5131205	SHIM, .020" (5.4110)										1		
	5131206	SHIM, .025" (5.4110)										1		
		5.1205 - BRACKET, FRESH WATER PUMP IDLER PULLEY												
	5136500	BRACKET, 2,3,4-53						1	1		1			
	5139060	BRACKET, 2-53												1
	5136498	SUPPORT, 2,3,4-53						1	1		1			
	5136770	% SUPPORT, 3-53										1		
	5130945	SUPPORT, 2-53												1
	179838	BOLT, 3/8"-16X7/8" (12.9001)						3	3		3			AR
	186678	BOLT, 3/8"-16X1" (12.9001)												1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										3		
	103321	LOCKWASHER, 3/8" (12.9200)						AR	AR		AR	AR		AR
		% OBSOLETE.												
		5.1207 - SEAL, IDLER PULLEY SHAFT												
	5108219	SEAL, 3-53 (5.4150)										1		
		5.1208 - RETAINER, IDLER PULLEY SHAFT BEARING												
	9409060	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)										1		
	5131123	WASHER, 33/64"I.D.X.32" THICK (5.4140)										1		

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 94	95	97	98	108	112	113	115	116	119	120	123
		5.1209 - SPACER, IDLER PULLEY SHAFT BEARING												
	5131122	SPACER, 3-53 (5.4170)										1		
		5.1215 - BELT, FRESH WATER PUMP DRIVE												
		NOTE: REFER TO 7.1000A OR 12.6000D FOR DRIVE BELT UNLESS LISTED BELOW.												
	5133177	BELT SET, 6,8V53 (2 BELTS) (37"L.X.380"W.) (7.1575)	1											
	5139228	BELT SET, 6,8V53 (2 BELTS) (36.76"L.X.380"W.)		1	1	1	1			1	1		1	
	5135031	BELT SET, 2, 3, 4-53 (2 BELTS) (36"L.X.380"W.)						1						
	5133178	BELT SET, 2, 3, 4-53 (2 BELTS) (36"L.X.380"W.) (7.1575)							1		1			1
	5137110	BELT SET, 3-53 (2 BELTS) (38"L.X.380"W.)										1		
		5.1216 - HUB, FRESH WATER PUMP DRIVEN PULLEY												
	5144798	CAP, 3-53 (5.4180)										1		
		5.1218 - GUARD, FRESH WATER PUMP DRIVE BELT												
5B	**5133607**	GUARD, 8V53				1								
	5129280	SPACER, 2.90"L. 8V53				1								
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)				1								

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	127	128	129	133	134	138	142	145	146	148	149
	5.1001	**- PUMP ASSY., FRESH WATER**												
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.												
1A	**5195982**	* PUMP ASSY., 2,4-53 (L.H. ROTATION) (PAGE A1)	1											
1B	**5121478**	* PUMP ASSY., 6V53 (R.H. ROTATION) (PAGE A1)		1										
1A	**5141747**	* PUMP ASSY., 4,6V53 (L.H. ROTATION) (PAGE B1)			1									
1A	**5142051**	* PUMP ASSY., 2,3,4-53 (R.H. ROTATION) (PAGE B1)				1								
1B	**5109551**	* PUMP ASSY., 6V53 (L.H. ROTATION) (A ENG.) (PAGE B1)					1							
1B	**5141891**	PUMP ASSY., 8V53 (L.H. ROTATION) (PAGE C1)						1						
1A	**5144717**	PUMP ASSY., 3-53 (R.H. ROTATION) (PAGE B1)							1					
1B	**5136883**	* PUMP ASSY., 6V53 (R.H. ROTATION) (NON-MAGNETIC) (PAGE C1)								1				
1A	**5144685**	PUMP ASSY., 3,4-53 (L.H. ROTATION) (PAGE C1)									1			1
1A	**5144686**	PUMP ASSY., 2,3,4-53 (R.H. ROTATION) (PAGE C1)										1	1	
	5144920	BALL, 7/16" RUBBER (DRAIN PLUG) (5.1030)										1		
	5145014	PLUG, 3/8" PIPE (12.9550)						1						
	186625	BOLT, 5/16"-18X7/8" (12.9001)	5	4	4	5	4		5	4	5	5	5	5
	9421623	BOLT, 5/16"-18 X 7/8" SOC. HD. (12.9027)		1	1		1			1				
	5148291	BOLT, 3/8"-16 X 2 3/4" (12.9027)						2						
	120393	WASHER, 5/16" (12.9190)							5					
	5164292	WASHER, 7/16" (1.7605)						2						
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)						4						
	117049	NUT, 3/8"-24 (12.9120)						4						
		* NOT SERVICED, REFER TO CONVERSION CHART AT BEGINNING OF SECTION FOR REPLACEMENT PUMP AND ITEMS THAT MAY BE REQUIRED TO CONVERT TO NEW PUMP.												
	5.1002	**- RECONDITIONING KIT, FRESH WATER PUMP**												
		INCLUDES ITEMS IN 5.1010, 5.1032, 5.1050, 5.1110 AND 5.1130.												
	5199533	RECONDITIONING KIT, 2,3,4,8V53 (L.H. ROTATION PUMP)									1			1

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	127	128	129	133	134	138	142	145	146	148	149
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP (CONT'D)												
	5199535	RECONDITIONING KIT, 6V53 (L.H. ROTATION PUMP)	1		1		1							
	5199536	RECONDITIONING KIT, 3,4,6V53 (R.H. ROTATION PUMP)		1		1				1				
	5199534	RECONDITIONING KIT, 3-53 (R.H. ROTATION PUMP)							1			1	1	
		5.1003 - TUBE, FRESH WATER PUMP VENT												
	5109733	TUBE ASSY., 6V53								1				
	5123166	TUBE, 3,4-53											1	1
	5132612	HOSE ASSY., 1/2" X 11" L. 8V53 (7.8300)						1						
	144051	* BUSHING, 1/2"X1/4" RED. (12.9570)								1				
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)											1	1
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/4" P.T. (12.9480)								1				
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)								1			1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG., 1/4" P.T. (12.9480)						1						
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG., 1/4" P.T. (12.9480)						1						
		* OBSOLETE												
		5.1010 - GASKET, FRESH WATER PUMP												
2A	**5133107**	GASKET, 3,4,6V, 8V53	1	1	1	1	1	1	1	1	1	1	1	1
	5141918	GASKET, 8V53						1						
		5.1115 - REPLACEMENT KIT, FRESH WATER PUMP SEAL SEAT												
		A REPLACEMENT KIT INCLUDES CERAMIC INSERT AND ADHESIVE.												
	5197279	REPLACEMENT KIT, IMPELLER INSERT 2,3,4,6,8V53	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
		5.1200 - PULLEY, FRESH WATER PUMP IDLER												
		A PULLEY ASSY. INCLUDES PULLEY AND ADJUSTING ARM, WHICH ARE NOT SERVICED SEPARATELY, AND BEARING IN 5.1202.												

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	127	128	129	133	134	138	142	145	146	148	149
		5.1200 - PULLEY, FRESH WATER PUMP IDLER (CONT'D)												
1B	5122992	# PULLEY ASSY., 2,6,8V53 (5139237)			1									
	5139405	PULLEY ASSY., 2,3,4-53		1										
1B	5139238	# PULLEY ASSY., 6, 8V53 (5139237)						1						
1B	5139237	PULLEY ASSY., 2,6,8V53	1				1							
1B	5139239	* PULLEY ASSY., 2,6V53								1				
1B	5143880	PULLEY ASSY., 3-53							1					
	5143806	SHAFT							1					
	5164294	SPACER, 13/32"X7/8"X1/8" 2,3,4-53 (7.1581)	1											
	5143879	BUSHING, IDLER ARM PIVOT 3-53							2					
	5134103	SPRING							1					
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		2	2		2	2		2				
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)							1					
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	1											
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)	1				1							
	5187641	WASHER, 25/64"X1 1/8"X1/16" (1.7605)							1					
	187372	WASHER, 3/8" (12.9190)								2				
	103341	WASHER, 3/8" (12.9190)	1	2	2									
	103321	LOCKWASHER, 3/8" (12.9200)	AR											
	117049	NUT, 3/8"-24 (12.9120)	2											
		# NOT SERVICED; USE PULLEY ASSY. SHOWN IN PARENTHESES.												
		* OBSOLETE												
		5.1202 - BEARING, FRESH WATER PUMP IDLER PUMP IDLER PULLEY												
	907394	BEARING, 3,4,6,8V53	1	1	1			1		1				
		5.1205 - BRACKET, FRESH WATER PUMP IDLER PULLEY												
	5130918	BRACKET, 2-53	1											
	5130945	SUPPORT, 2-53	1											
	179838	BOLT, 3/8"-16X7/8" (12.9001)	AR											
	103321	LOCKWASHER, 3/8" (12.9200)	AR											
		5.1215 - BELT, FRESH WATER PUMP DRIVE												
		NOTE: REFER TO 7.1000A OR 12.6000D FOR DRIVE BELT UNLESS LISTED BELOW.												
	5133178	BELT SET, 2,3,4-53 (2 BELTS) (36"L.X.380"W.) (7.1575)	1											
	5133177	BELT SET, 6,8V53 (2 BELTS) (37"L.X.380"W.) (7.1575)								1				
	5130948	BELT SET, 6V53 (2 BELTS) (37" L. X .380" W.)					1							
	5134089	BELT SET, 3-53 (2 BELTS) (35" L.X380" W) (1.3320)							1					

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 124	127	128	129	133	134	138	142	145	146	148	149
		5.1215 - BELT, FRESH WATER PUMP DRIVE (CONT'D)												
	5137861	BELT SET 8V53 (2 BELTS) (39"L.X.380"W")						1						
	5139228	BELT SET, 6,8V53 (2 BELTS) (36.76"L.X.380"W.)			1									
		5.1218 - GUARD, FRESH WATER PUMP DRIVE BELT												
5B	**5121437**	GUARD, 6V53								1				
	5129280	SPACER, 3/8" PIPE X2.90"L. 8V53								1				
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)								1				
	120393	WASHER, 5/16" (12.9190)								2				
	187372	WASHER, 3/8" (12.9190)								1				

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 150	151	152	153	154	155	156	157	158	159	160	161
		5.1001 - PUMP ASSY., FRESH WATER												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.												
1A	**5144685**	PUMP ASSY., 2,3,4,6,8V53 (L.H. ROTATION) (PAGE C1)	1	1	1	1	1						1	
1A	**5144686**	PUMP ASSY., 2,3,4,6V53 (R.H. ROTATION) (PAGE C1)						1	1	1	1	1		1
	5144920	BALL, 7/16" RUBBER 3,4,6V53 (DRAIN PLUG) (5.1030)						1					1	
	9421623	BOLT, 5/16"-18 X 7/8" SOC. HD. (FRONT INSIDE HOLE) (12.9027)				1	1					1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	5	5	5	4	4	5	5	5	5	4	4	4
	103320	LOCKWASHER, 5/16" (12.9200)	AR	5	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP												
		INCLUDES ITEMS IN 5.1010, 5.1032, 5.1050, 5.1110 AND 5.1130.												
	5199533	RECONDITIONING KIT, 2,3,4,6,8V53 (L.H. ROTATION)	1	1	1	1	1						1	
	5199534	RECONDITIONING KIT, 2,3,4,6V53 (R.H. ROTATION)						1	1	1	1	1		1
		5.1003 - TUBE, FRESH WATER PUMP VENT												
	5137952	TUBE ASSY., 8V53					1							
	5128855	TUBE ASSY., 3,4-53									1			
	5109733	TUBE ASSY., 6V53										1		
	5129867	# HOSE, 1/4" I.D. X 26 3/4" L. 4-53 (7.4075)	1							1				
	225810	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1				1			1	1	1		
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	1				1			1		1		
	125859	ELBOW, 1/4" INV. FL. TUBE 45 DEG. (12.9390)	1							1				
	5114048	CONNECTOR, 1/4" HOSE X 1/4" INV. FL. TUBE SWIVEL (2.5217)	2							2				
	187321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)									1			
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)					1					1		
	5168001	CLIP, 1/2" (12.4095)	2							2				
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.1010 - GASKET, FRESH WATER PUMP												
2A	**5133107**	GASKET, 2,3,4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 150	151	152	153	154	155	156	157	158	159	160	161
		5.1115 - REPLACEMENT KIT, FRESH WATER PUMP SEAL SEAT												
		A REPLACEMENT KIT INCLUDES CERAMIC INSERT AND ADHESIVE.												
	5197279	KIT, IMPELLER				1								
		5.1200 - PULLEY, FRESH WATER PUMP IDLER												
		PULLEY ASSYS. 5139237, 5139405 AND 5148444 INCLUDE PULLEY AND ADJUSTING ARM, WHICH ARE NOT SERVICED SEPARATELY, AND BEARING IN 5.1202. PULLEY ASSY. 5136874 INCLUDES PULLEY, 5131123 SPACER, CAP, 9409060 BOLT, IN 5.1200 PLUS ITEMS IN 5.1201, 5.1202 AND 5.1207.												
1B	**5139237**	PULLEY ASSY., 2,3,4,6,8V53		1	1	1	1						1	
1B	**5139405**	PULLEY ASSY., 2,3,6V53						1	1			1		1
	5164294	SPACER, 13/32"X7/8"X1/8" 2,3,4-53 (7.1581)		1	1			1	1					
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				2	2					2	2	2
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)		1	1			1	1					
	9414268	BOLT, 3/8"-24 X 1 1/2" (12 PT) (12.9001)		1										
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)			1			1	1					
	103341	WASHER, 3/8" (12.9190)			AR	AR	AR	AR	AR			AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)		2	2			2	2					
	102635	NUT, 3/8"-16 (12.9120)			1									
	117049	NUT, 3/8"-24 (12.9120)		2	1			2	2					
		5.1202 - BEARING, FRESH WATER PUMP IDLER PUMP IDLER PULLEY												
	907394	BEARING, 2,3,4,6,8V53		1	1	1	1	1	1			1	1	1
		5.1205 - BRACKET, FRESH WATER PUMP IDLER PULLEY												
	5136498	BRACKET, 2,3,4-53 (UPPER)						1	1					
	5136500	BRACKET, 2,3,4-53 (LOWER)						1	1					
	5130945	BRACKET, 2,3,4-53 (LOWER)			1									
	5130918	BRACKET, 2,3,4-53 (UPPER)		1	1									
	5142214	BRACKET, 3,4-53 (LOWER)		1										
	179838	BOLT, 3/8"-16X7/8" (12.9001)		3	3			3	3					
	103321	LOCKWASHER, 3/8" (12.9200)		3	3			3	3					

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5.1000 FRESH WATER PUMP

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 150	151	152	153	154	155	156	157	158	159	160	161
		5.1215 - BELT, FRESH WATER PUMP DRIVE												
		NOTE: REFER TO 7.1000A OR 12.6000D FOR DRIVE BELT UNLESS LISTED BELOW.												
1B	**5133178**	BELT SET, 2,3,4-53 (2 BELTS) (36.00 L. X .380 W.) (COGGED)		1		1	1		1			1		1
1B	**5135031**	BELT SET, 3,4-53 (2 BELTS) (36.00"L.X.380"W.)			1			1						
1B	**5130948**	BELT SET, 4-53 (2 BELTS) (37"L.X.380"W.)											1	
		5.1218 - GUARD, FRESH WATER PUMP DRIVE BELT												
5B	**5133607**	GUARD, 8V53					1							
5B	**5121437**	GUARD, 6V53										1		
	5129280	SPACER, 6,8V53 (2.90"L.)					1					1		
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)					1					1		
	120393	WASHER, 5/16" (12.9190)										2		
	103341	WASHER, 3/8" (12.9190)										1		

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	163	169	180	192	193	204	208
		5.1001 - PUMP ASSY., FRESH WATER								
		SEE ASSEMBLY BREAKDOWN AS INDICATED BELOW.								
1A	**5144685**	PUMP ASSY., 2,3,4,6,8V53 (L.H. ROTATION) (PAGE C1)	1	1						
1A	**5144500**	+ PUMP ASSY., 3-53, 6V53 (L.H. ROTATION) (PAGE C1) (5104392)			1		1			
1A	**5148442**	PUMP ASSY., 3,4-53 (R.H. ROTATION) (PAGE C1)				1		1		
	5144686	PUMP ASSY., 3-53 (R.H. ROTATION) (PAGE C1)							1	1
	5144920	BALL, 7/16" RUBBER 3,4,6V53 (DRAIN PLUG) (5.1030)				1		1	1	
	8923313	PLUG, 3/4" PIPE TEF. (12.9550)					1			2
	186625	BOLT, 5/16"-18X7/8" (12.9001)	5	5	5	5	4	5	5	4
	9421623	BOLT, 5/16"-18 X 7/8" SOC. HD. (FRONT INSIDE HOLE) (12.9027)					1			1
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR
	120393	WASHER, 5/16" (12.9190)					4			
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES.								
		5.1002 - RECONDITIONING KIT, FRESH WATER PUMP								
		INCLUDES ITEMS IN 5.1010, 5.1032, 5.1050, 5.1110 AND 5.1130.								
	5199533	RECONDITIONING KIT, 2,3,4,6,8V53 (L.H. ROTATION)	1	1	1		1			
		5.1010 - GASKET, FRESH WATER PUMP								
2A	**5133107**	GASKET, 2,3,4,6,8V53	1	1	1	1	1	1	1	
		5.1200 - PULLEY, FRESH WATER PUMP IDLER								
		PULLEY ASSYS. 5139237, 5139405 AND 5148444 INCLUDE PULLEY AND ADJUSTING ARM, WHICH ARE NOT SERVICED SEPARATELY, AND BEARING IN 5.1202. PULLEY ASSY. 5136874 INCLUDES PULLEY, 5131123 SPACER, CAP, 9409060 BOLT, IN 5.1200 PLUS ITEMS IN 5.1201, 5.1202 AND 5.1207.								
1B	**5139237**	PULLEY ASSY., 2,3,4,6,8V53	1	1						
	5136874	+ PULLEY ASSY., 2-53			1					
	5148444	PULLEY ASSY., 3,4-53				1				
	5136811	+ PULLEY, 2-53 (2 GROOVES, 5.60" DIA.)			1					
1B	**5139238**	# PULLEY ASSY., 6V53 (5139237)					1			
	5139405	PULLEY ASSY., 3-53							1	1

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5.1000 FRESH WATER PUMP

PART NUMBER	NAME AND DESCRIPTION	TYPES 162	163	169	180	192	193	204	208
	5.1200 - PULLEY, FRESH WATER PUMP IDLER (CONT'D)								
5144798	CAP, PULLEY END 2-53			1					
5164294	SPACER, 13/32"X7/8"X1/8" 2,3,4-53 (7.1581)	2	1		1			1	
5109886	SPACER, 2-53 (ASSY. TO SUPPORT)			2					
5131123	SPACER, BEARING RETAINING 2-53			1					
9414268	BOLT, 3/8"-16 X 1 1/2" (12.9005)	1			1				
179850	BOLT, 3/8"-16X2 3/4" (12.9001)					2			2
181371	BOLT, 3/8"-24X1 3/8" (12.9001)		1					1	
181377	BOLT, 3/8"-24X1 3/4" (12.9001)	1	1		1				
186689	BOLT, 1/2"-13X2" (12.9001)			2					
9409060	BOLT, 1/2"-20X1 1/2" (12.9001)			1					
103341	WASHER, 3/8" (12.9190)		AR			AR		AR	AR
103321	LOCKWASHER, 3/8" (12.9200)	2	2		2			2	
103323	LOCKWASHER, 1/2" (12.9200)			2					
102635	NUT, 3/8"-16 (12.9120)	2			1				
117049	NUT, 3/8"-24 (12.9120)		2		1			2	
	# NOT SERVICED; USE PULLEY ASSY. SHOWN IN PARENTHESES.								
	+ OBSOLETE.								
	5.1201 - ARM, IDLER PULLEY ADJUSTING								
5136805	+ # ARM, ADJUSTING 2-53			1					
	# INCLUDES INTEGRAL CAST PULLEY SHAFT.								
	+ OBSOLETE.								
	5.1202 - BEARING, FRESH WATER PUMP IDLER PUMP IDLER PULLEY								
907394	BEARING, 2,3,4,6,8V53	1	1			1			
7450630	BEARING, 2-53 (INNER) (5.4110)			1					
9415132	BEARING, 2-53 (OUTER) (5.4110)			1					
908140	BEARING, 3,4-53				1				
5131122	SPACER, BEARING 2-53 (5.4170)			1					
5131095	BAFFLE, GREASE 2-53 (5.4110)			1					
5131124	SHIM, .015" (5.4110)			AR					
5131205	SHIM, .020" (5.4110)			AR					
5131206	SHIM, .025" (5.4110)			AR					
	5.1205 - BRACKET, FRESH WATER PUMP IDLER PULLEY								
5139060	BRACKET, 2,3,4-53 (UPPER)		1						
5136498	BRACKET, 2,3,4-53 (UPPER)				1			1	
5136500	BRACKET, 2,3,4-53 (LOWER)				1			1	
5130945	BRACKET, 2,3,4-53 (LOWER)	1	1						
5130918	BRACKET, 2,3,4-53 (UPPER)	1							
5136770	* SUPPORT, 3-53			1					
179838	BOLT, 3/8"-16X7/8" (12.9001)	3	3		3			3	

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 162	163	169	180	192	193	204	208
		5.1205 - BRACKET, FRESH WATER PUMP IDLER PULLEY (CONT'D)								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			3					
	181377	BOLT, 3/8"-24 X 1 3/4" (12.9001)							1	
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3	3			3	
		* OBSOLETE.								
		5.1207 - SEAL, IDLER PULLEY SHAFT								
	5108219	SEAL (5.4150)			1					
		5.1215 - BELT, FRESH WATER PUMP DRIVE								
		NOTE: REFER TO 7.1000A OR 12.6000D FOR DRIVE BELT UNLESS LISTED BELOW.								
1B	**5133178**	BELT SET, 2,3,4-53 (2 BELTS) (36.00"L.X.380"W.)	1	1					1	
1B	**5135031**	BELT SET, 3,4-53 (2 BELTS) (36.00"L.X.380"W.)				1				
1B	**5137110**	BELT SET, 3-53 (2 BELTS) (38.00"L.X.380"W.)			1					
1B	**5133177**	BELT SET, 6, 6V53 (2 BELTS) (37.00" L. X 380" W.)					1			1
		5.1218 - GUARD, FRESH WATER PUMP DRIVE BELT								
5B	**5121437**	GUARD, 6V53								1
	5129280	SPACER, 6, 8V53 (2.90" L.)								1
	192883	BOLT, 3/8"-16 X 5 1/4" (12.9001)								1
	103341	WASHER, 3/8" (12.9190)								1
	120393	WASHER, 5/16" (12.9190)								2

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5.1000 FRESH WATER PUMP

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	5.1001 - PUMP ASSY., FRESH WATER														
1A	**5195982**	# PUMP ASSY., 2,3,4-53 (L.H. ROTATION)	1												
1A,B	**5195983**	# PUMP ASSY., 2,3,4,6V53		1											
1A	**5121216**	# PUMP ASSY., 2-53 (R.H. ROTATION)			1										
1A	**5123801**	# PUMP ASSY., 2-53 (R.H. ROTATION)				1									
1A	**5124349**	# PUMP ASSY., 2-53 (R.H. ROTATION)					1								
	5121478	# PUMP ASSY., 6V53 (R.H. ROTATION) (C ENG.)						1							
1B	**5109387**	# PUMP ASSY., 6V53 (L.H. ROTATION)							1						
1A	**5109046**	# PUMP ASSY., 3,4-53 (R.H. ROTATION)								1					
1B	**5131602**	# PUMP ASSY., 6V53 (L.H. ROTATION)									1				
1A	**5109553**	# PUMP ASSY., 3,4-53 (L.H. ROTATION)										1			
		# NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY													
	5.1030 - BODY, FRESH WATER PUMP														
2A	**5131547**	# BODY, 3,4-53 (L.H. ROTATION)	1												
2A	**5119281**	# BODY, 2,3,4,6V53 (R.H. ROTATION)		1	1	1	1								
2A	**5121475**	# BODY, 2-53 (R.H. ROTATION) (C ENG.)						1							
2A	**5109045**	# BODY, 6V53 (R.H. ROTATION)							1						
2A	**5121474**	# BODY, 2,3,4-53 (L.H. ROTATION) (A ENG.)								1					
2A	**5109554**	# BODY, 2,3,4,6V53 (L.H. ROTATION)									1				
2A	**5135421**	# BODY ASSY., 2-53 (L.H. ROTATION) (INCLUDES 8" NIPPLE)						1							
2A	**5119477**	NIPPLE, 7/8" O.D. X 1 5/8" L. (5.2160)	1	1	1	1	1		1		1				
2A	**5109219**	+ NIPPLE, 1 1/8" O.D. X 2.56" L.								1					
2A	**5121479**	NIPPLE, 1 1/8" O.D. X 3 3/16" L.						1							
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1				
	5115214	PLUG, 1/2" PIPE (12.9550)							1		1				
	5119218	PLUG, 7/8" CUP (5.1030)	2	2			1	1		1					
		# NOT SERVICED, REFER TO CONVERSION CHART AT BEGINNING OF SECTION FOR REPLACEMENT PUMP AND ITEMS THAT MAY BE REQUIRED TO CONVERT TO NEW PUMP.													
		+ OBSOLETE.													
	5.1031 - COVER, FRESH WATER PUMP														
2A	**5119283**	COVER, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1			
	5148436	BOLT, 5/16"-18X3/4" (W/LW) (12.9001)	7	7	7	7	7	7	7	7	7	7			
	5.1032 - GASKET, FRESH WATER PUMP BODY COVER														
2A	**5119282**	GASKET, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1			

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1050 - SHAFT, FRESH WATER PUMP														
2A	**904827**	SHAFT ASSY., 2,3,4,6V53 (INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1				
		5.1110 - IMPELLER, FRESH WATER PUMP														
2A	**5146563**	IMPELLER, 2,3,4,6V53 (L.H. ROTATION) (WITH CERAMIC INSERT)	1						1		1	1				
2A	**5146562**	IMPELLER, 2,3,4,6V53 (R.H. ROTATION) (WITH CERAMIC INSERT)		1	1	1	1	1		1						
		5.1130 - SEAL, FRESH WATER PUMP														
2A	**5130959**	SEAL, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1				
		5.1214 - PULLEY, FRESH WATER PUMP														
2A	**5119465**	# PULLEY, 2,3,4,6V53	1	1				1	1	1	1	1				
2A	**5121215**	+ PULLEY, 3,4-53			1											
2A	**5144510**	* PULLEY, 2-53				1										
2A	**5125113**	% PULLEY, 6V53					1									

\+ NOT SERVICED, FOR SERVICE USE 8920869 AND SD-270.
% NOT SERVICED, FOR SERVICE USE 8920869 AND SD-273.
NOT SERVICED, FOR SERVICE USE 5144503 AND SD-166.
* NOT SERVICED, FOR SERVICE USE 8920869 AND SD-268.

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5.1000 FRESH WATER PUMP

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1001 - PUMP ASSY., FRESH WATER														
1B	**5109551**	# PUMP ASSY., 6V53 (L.H. ROTATION) (A ENG.)	1													
1B	**5133667**	# PUMP ASSY., 6V53 (L.H. ROTATION) (A ENG.)		1												
1B	**5198194**	# PUMP ASSY., 8V53 (L.H. ROTATION)			1											
1B	**5134191**	# PUMP ASSY., 8V53 (R.H. ROTATION)				1										
1B	**5135464**	# PUMP ASSY., 6V53 (L.H. ROTATION)					1									
1A	**5136506**	# PUMP ASSY., 6V53 (L.H. ROTATION) (ALUM.)						1								
1A,B	**5141747**	# PUMP ASSY., 3-53 (L.H. ROTATION)							1							
1A	**5142051**	# PUMP ASSY., 4,6V53 (R.H. ROTATION)								1						
1B	**5121477**	# PUMP ASSY., 2,3,4-53 (L.H. ROTATION)									1					
	5144717	PUMP ASSY., 3-53 (R.H. ROTATION)										1				
		# NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
		5.1030 - BODY, FRESH WATER PUMP														
2A	**5109552**	# BODY, 6V53 (L.H. ROTATION) (A ENG.)	1													
2A	**5133668**	# BODY, 6V53 (L.H. ROTATION)		1												
2A	**5132498**	# BODY, 8V53 (L.H. ROTATION)			1											
2A	**5134190**	# BODY, 8V53 (R.H. ROTATION)				1										
2A	**5135465**	# BODY, 6V53 (L.H. ROTATION)					1									
2A	**5136826**	# BODY, 6V53 (L.H. ROTATION) (ALUM.) (INCLUDES 5136783 TUBE)						1								
2A	**5142048**	# BODY, 3-53 (L.H. ROTATION)							1							
2A	**5142050**	# BODY, 4,6V53 (R.H. ROTATION)								1						
2A	**5121474**	# BODY, 2,3,4-53 (L.H. ROTATION) (A ENG.)									1					
	5144687	BODY, 3-53 (R.H. ROTATION)										1				
	5119477	NIPPLE, 7/8" O.D. X 5/8" L.						1		1						
2A	**5121479**	NIPPLE, 1 1/8" O.D. X 3 3/16" L.	1	1	1	1			1		1					
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1		1										
	5119218	PLUG, 7/8" CUP (5.1030)			1		1		1		1					
	5197146	PLUG, 1 1/8" CUP			1											
		# NOT SERVICED, REFER TO CONVERSION CHART AT BEGINNING OF SECTION FOR REPLACEMENT PUMP AND ITEMS THAT MAY BE REQUIRED TO CONVERT TO NEW PUMP.														
		5.1031 - COVER, FRESH WATER PUMP														
2A	**5119283**	COVER, 2,3,4,6,8V53	1	1	1	1	1	1	1	1	1	1				
	5148436	BOLT, 5/16"-18 X 3/4" (W/LW) (12.9001)	7	7	7	7		7	7	7	7					
	5104293	BOLT, 5/16"-18X3/4" (W/LW) (UNCOATED THD.) (12.9001)					7					7				

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1032 - GASKET, FRESH WATER PUMP BODY COVER														
2A	**5119282**	GASKET, 2,3,4,6,8V53	1	1	1	1	1	1	1	1	1	1				
		5.1050 - SHAFT, FRESH WATER PUMP														
2A	**904827**	SHAFT ASSY., 2,3,4,6,8V53 (INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1				
		5.1110 - IMPELLER, FRESH WATER PUMP														
2A	**5146563**	IMPELLER, 2,3,4,6V53 (L.H. ROTATION) (WITH CERAMIC INSERT)	1				1	1	1		1					
	5113800	IMPELLER, 6,8V53 (L.H. ROTATION) (WITH CERAMIC INSERT)		1	1											
2A	**5146562**	IMPELLER, 4,6,8V53 (R.H. ROTATION) (WITH CERAMIC INSERT)				1				1						
2A	**5146354**	IMPELLER, 3-53 (R.H. ROTATION) (WITH CERAMIC INSERT)										1				
		5.1130 - SEAL, FRESH WATER PUMP														
2A	**5130959**	SEAL, 2,3,4,6,8V53	1	1	1	1	1	1	1	1	1	1				
		5.1214 - PULLEY, FRESH WATER PUMP														
2A	**5119465**	* PULLEY, 2,3,4,6,8V53 (SD-166)	1	1	1	1			1	1	1					
2A	**5109687**	PULLEY, 6V53					1	1								
2A	**5144503**	PULLEY, 3-53										1				

* NOT SERVICED, FOR SERVICE USE 5144503 AND SD-166.

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5.1000 FRESH WATER PUMP

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1001 - PUMP ASSY., FRESH WATER														
	5136883	# PUMP ASSY., 6V53 (R.H. ROTATION) (ALUM.)	1													
	5144685	PUMP ASSY., 6V53 (L.H. ROTATION)		1												
	5144686	PUMP ASSY., 2,3,4-53 (R.H. ROTATION)			1											
	5141891	PUMP ASSY., 8V53 (L.H. ROTATION)				1										
	5144500	+ PUMP ASSY., 3-53 (L.H. ROTATION) (ALUM.) (5104392)					1									
	5148442	PUMP ASSY., 3,4-53 (R.H. ROTATION)						1								
	5104392	PUMP ASSY., 3-53 (L.H. ROTATION)							1							
		# NOT SERVICED: REFER TO CONVERSION CHART AT BEGINNING OF SECTION FOR REPLACEMENT PUMP AND ITEMS THAT MAY BE REQUIRED TO CONVERT TO NEW PUMP.														
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
		5.1030 - BODY, FRESH WATER PUMP														
2A	**5136905**	# BODY, 6V53	1													
2A	**5144688**	BODY, 6V53		1												
2A	**5144689**	BODY, 2,3,4-53			1			1								
2A	**5144501**	+ BODY, 3-53					1									
2A	**5141922**	BODY ASSY., 8V53 (INCLUDES STUDS)				1										
	5104391	BODY							1							
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1								
	5119218	PLUG, 7/8" CUP (12.9550)				1										
	103174	STUD, 5/16"-18X24X1 3/8" (12.9117)				6										
		# NOT SERVICED: REFER TO CONVERSION CHART AT BEGINNING OF SECTION FOR REPLACEMENT PUMP AND ITEMS THAT MAY BE REQUIRED TO CONVERT TO NEW PUMP.														
		+ NOT SERVICED, USE 5104391.														
		5.1031 - COVER, FRESH WATER PUMP														
2A	**5136885**	COVER, 6V53	1						1							
2A	**5119283**	COVER, 2,3,4,6V53		1	1		1	1								
	179816	BOLT, 5/16"-18X3/4" (12.9001)	7													
	5148436	BOLT, 5/16"-18 X 3/4" (W/LW) (12.9001)					7									
	5104293	BOLT, 5/16"-18 X 3/4" (W/LW) (UNCOATED THD.)		7	7			7	7							
		5.1032 - GASKET, FRESH WATER PUMP BODY COVER														
2A	**5119282**	GASKET, 2,3,4,6,8V53	1	1	1	1	1	1	1							
		5.1050 - SHAFT, FRESH WATER PUMP														
2A	**904827**	SHAFT ASSY., 2,3,4,6V53 (INCLUDES BEARING)	1	1	1		1		1							
2A	**908142**	SHAFT ASSY., 3,4-53 (INCLUDES BEARING)						1								

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5.1000 FRESH WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.1050 - SHAFT ASSY., FRESH WATER PUMP (CONT'D)														
	5140933	SHAFT, 8V53				1										
		5.1070 - BEARING, FRESH WATER PUMP														
	954501	BEARING, INNER 8V53				1										
	954212	BEARING, OUTER 8V53				1										
	5182145	SPACER, BEARING 8V53 (5.1060)				1										
	274746	RING, BEARING RETAINING				1										
	5178768	WASHER, BEARING RETAINING (5.6140)				1										
		5.1110 - IMPELLER, FRESH WATER PUMP														
2A	**5146562**	IMPELLER, 6V53 (WITH CERAMIC INSERT)	1													
2A	**5146563**	IMPELLER, 8V53 (WITH CERAMIC INSERT)				1										
2A	**5146354**	IMPELLER, 2,3,4-53 (WITH CERAMIC INSERT)			1			1								
2A	**5113800**	IMPELLER, 3,6V53 (WITH CERAMIC INSERT)		1			1		1							
	5140935	IMPELLER, 8V53 (WITH CERAMIC INSERT)				1										
		5.1130 - SEAL, FRESH WATER PUMP														
2A	**5130959**	SEAL, 2,3,4,6,8V53	1	1	1	1	1	1	1							
		5.1214 - PULLEY, FRESH WATER PUMP														
2A	**5136884**	+ PULLEY, 6V53	1													
2A	**5144503**	PULLEY, 2,3,4,6V53		1	1		1	1	1							
	5134448	PULLEY, 8V53				1										
	5152707	KEY, 1/8"X5/8"				1										
	5109886	SPACER, PULLEY (12.6682)				1										
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)				1										

+ OBSOLETE.

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5.2000A WATER OUTLET MANIFOLD AND/OR ELBOW

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 67	69	70	72	80	85	86	87	91	93	95	96
		5.2035 - ELBOW, WATER OUTLET												
	5100033	ELBOW, 3,4-53 (DOUBLE OUTLETS)									1			
3A	5128492	ELBOW, 6,8V53 (30 DEG. OFFSET TO LEFT) (L. BANK)							1					
1B,3A	5128493	ELBOW, 6,8V53 (30 DEG. OFFSET TO RIGHT) (R. BANK)							1					
	5116081	ELBOW, 90 DEG. 2,3,4,6,8V53			1			1		1				
1A	5125649	ELBOW, 90 DEG. 2,3,4-53 (OFFSET)					1			1				1
1A	5125451	ELBOW, 90 DEG. 2,3,4-53												
1A	5131321	ELBOW, 90 DEG. 2-53		1										
1A,3B	5121228	+ FLANGE, 2-53 (1 3/4" L.)				1						1	1	
1A,3B	5119120	FLANGE, 2,3,4-53 (1 3/4" L.)												
1A,3B	5130033	FLANGE, 4-53 (1 3/4" L.)									1			
	5116409	FLANGE, 2,3,4,6,8V53 (2 1/2" L.)	1											
	5115214	PLUG, 1/4" PIPE (12.9550)				2	2					2		
	179839	BOLT, 3/8"-16X1" (12.9001)							4					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2	2			2		4		2		2
	186879	BOLT, 3/8"-16X1 1/4" (12.9001)									2			
	179851	BOLT, 3/8"-16X3" (12.9001)												
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	4	4	2	2	2	2
		+ OBSOLETE.												
		5.2037 - GASKET, WATER OUTLET ELBOW												
3A	5122437	GASKET, 4,6,8V53							2	2				
3B	5121257	GASKET, 2-53		1										
	5116092	GASKET, 2,3,4,6,8V53	1		1	1	1	1				1	1	1
3B	5108214	GASKET, 3,4-53									1			

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5.2000A WATER OUTLET MANIFOLD AND/OR ELBOW

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	99	100	101	102	105	106	108	110	145	177
		5.2035 - ELBOW, WATER OUTLET											
1B,3A	5128493	ELBOW, 6,8V53 (30 DEG. OFFSET TO RIGHT) (R. BANK)				1							
	5137631	% ELBOW, 3-53 (30 DEG. OFFSET TO RIGHT) (ALUM.)								1			
3A	5139868	ELBOW, 3-53 (30 DEG. OFFSET) (ALUM.)			1								
1B,3A	5137780	ELBOW, 6V53 (52 DEG. OFFSET TO LEFT)				1							
1B,3A	5109549	ELBOW, 90 DEG. 6V53 (OFFSET) (R. BANK)	1										
1A	5134777	ELBOW, 90 DEG. 2,3,4-53					1	1					
1B,3A	5135485	ELBOW, 90 DEG. 4,8V53 (OFFSET TO LEFT)							1			1	
1B,3A	5135486	ELBOW, 90 DEG. 8V53 (OFFSET TO RIGHT)							1				
	5128492	ELBOW, 6V53 (30 DEG. OFFSET TO LEFT) (L. BANK)											1
3B	5188382	FLANGE, 3-53 (1 3/4"L) (5.3350)		1							1		
1A,3B	5135488	+ FLANGE, 3-53 (2 1/2" L)											1
	5104286	SPACER, 6V53 (R. BANK)								1			
	114981	DRAINCOCK, 1/8" (12.9510)	1										
	5115214	PLUG, 1/2" PIPE (12.9550)			1		1	1		2	2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2		2			4			2	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)											2
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)	2				1	1					
	179845	BOLT, 3/8"-16 X 1 3/4" (12.9001)											2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)											
	186277	BOLT, 3/8"-16 X 2 3/8" (12.9001)				2							
	455537	BOLT, 3/8"-16X4" (12.9001)				2							
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)	2	2	2	4	2	2	4	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	2		2								4
	103341	WASHER, 3/8" (12.9190)											
		+ OBSOLETE.											
		% NOT SERVICED; FOR SERVICE REQUIREMENTS REWORK 5128493.											
		5.2037 - GASKET, WATER OUTLET ELBOW											
3A	5122437	GASKET, 4,6,8V53				2			2		1	1	3
	5116092	GASKET, 2,3,4,6,8V53			1		1			1			
3A	5116242	GASKET, 6V53	1										
3B	2206783	GASKET, 3-53 (5.3360)		1									

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5.2000B THERMOSTAT

MG	PART NUMBER	NAME AND DESCRIPTION	TYPES 72	73	86	88	91	105	123	124	126	133	136	153
		5.2050 - THERMOSTAT ASSY.												
6A,B	**3041379**	THERMOSTAT ASSY., 2,3,4,6V53 (170 DEG. OPENING TEMP.)	1	1			1					1		
6A,B	**5143210**	THERMOSTAT ASSY., 3,4,6,8V53 (170 DEG. OPENING TEMP.)				2		1	1					
3A,6A	**3038144**	THERMOSTAT ASSY., 3-53 (170 DEG. OPENING TEMP.)											1	
6A,B	**5124872**	THERMOSTAT ASSY., 6,8V53 (170 DEG. OPENING TEMP. W/BLEED HOLE)			2									
3A,6B	**5106240**	THERMOSTAT ASSY., 6,8V53 (160 DEG. OPENING TEMP.)								1	1			1
		5.2060 - SEAL, THERMOSTAT												
6A,B	**5134269**	SEAL, 3,4,6,8V53			2	2		1						
	5132155	SEAL, 6,8V53							1		1			1
		5.2090 - HOUSING, THERMOSTAT												
1A,3B	**5108088**	HOUSING ASSY., 2, 3, 4-53 (INCLUDES PLUGS IN 5.2090)	1									1		
3B	**5121631**	HOUSING, 2-53		1										
1B,3A	**5128340**	HOUSING, 6,8V53 (RIGHT BANK)			1									
1B,3A	**5135913**	HOUSING, 6V53 (LEFT BANK)			1									
6A,B	**5108952**	HOUSING, 3,4,6,8V53				2		1	1					
1A,6A	**5128570**	+ HOUSING, 4-53					1							
1B,6B	**5109630**	HOUSING, 6,8V53 (L. BANK)								1	1			1
3A	**5133552**	HOUSING, 3-53 (ALUM.)											1	
	5124775	BASE, 6,8V53			2									
	5127997	ADAPTOR, 3, 4, 6, 8V53 (5.3460)				2		1	1					
	103647	DRAINCOCK, 1/4" (12.9510)				2		1	1					
	5145009	PLUG, 1/8" PIPE (12.9550)				AR		AR	AR					
	5125237	PLUG, 1/4" PIPE (12.9550)				2	1	1	1					
	5145014	PLUG, 3/8" PIPE (12.9550)	2		3					2	2	2	2	
	5136241	PLUG (.580" DIA.) (PLASTIC) (2.2001)												1
	5115214	PLUG, 1/2" PIPE (12.9550)	2		5	6		3	3	2	2	2	2	1
	5138827	PLUG, .720" DIA. (PLASTIC) (2.2001)												2
	179839	BOLT, 3/8"-16X1" (12.9001)				6		3	3					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	4									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				10		5	5					
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)								2	2			2
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)	2				2					2		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2									
	9409914	BOLT, 3/8"-16X4 1/4" SELF LOCK (12.9001)											2	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2									
	103341	WASHER, 3/8" (12.9190)								2	2			2
	103321	LOCKWASHER, 3/8" (12.9200)	AR	2	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 72	73	86	88	91	105	123	124	126	133	136	153
		5.2090 - HOUSING, THERMOSTAT (CONT'D)												
		+ NOT SERVICED, USE 5108088, 5126473, 5119426, 2-5145014, 2-186625, 2-103320, SD-221.												
		5.2092 - ELBOW, THERMOSTAT HOUSING OUTLET												
	5109549	ELBOW, 6,8V53								1	1			
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)								2	2			
	103341	WASHER, 3/8" (12.9190)								2	2			
	103321	LOCKWASHER, 3/8" (12.9200)								2	2			
	5115214	PLUG, 1/2" PIPE (12.9550)								1	1			
		5.2093 - SEAL, THERMOSTAT HOUSING OUTLET ELBOW												
	5117786	GASKET, 6V53												2
	5116242	GASKET, 4,6,8V53								1	1			
		5.2110 - GASKET, THERMOSTAT HOUSING												
3A,B,6A	**5116242**	GASKET, 2,3,4,6,8V53 (TO CYLINDER HEAD) (1.2044)	1	1	2		1			1	1	1	1	1
3A	**5124997**	GASKET, 6,8V53 (TO BASE)			2									
6B	**5128002**	GASKET, 3,4,6,8V53 (HOUSING TO ADAPTOR)				2		1	1					
6B	**5119208**	GASKET, 3,4,6,8V53 (ADAPTOR TO EXHAUST FLANGE) (6.1150)				2		1	1					
		5.2120 - COVER, THERMOSTAT HOUSING												
3A,5A	**5125868**	COVER, 6,8V53 (1/8" PIPE TAP)			1					1				
3A,5A	**5135466**	COVER, 6V53									1			1
3A,5A	**5135713**	COVER, 6V53	1									1		
	5119426	FLANGE, 2,3,4,6V53								1	1			1
	5134343	FLANGE, 3-53			1						1			1
	114981	DRAINCOCK, 1/8" (12.9510)										2		
	5145014	PLUG, 3/8" PIPE (12.9550)	2		2					4 AR	4 AR			4 AR
	186618	BOLT, 5/16"-18X5/8" (12.9001)										AR		
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)												
	191249	BOLT, 3/8"-16X3/4" (12.9001)												
	103341	WASHER, 3/8" (12.9190)												
	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR					AR	AR			AR
	103321	LOCKWASHER, 3/8" (12.9200)												

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 72	73	86	88	91	105	123	124	126	133	136	153
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET												
	5109680	TUBE, 6V53 (CROSSOVER)								1	1			
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW												
	5199778	# HOSE, 2" X 2" L. 6, 8V53 (3.1270)								2	2			
	5112425	# HOSE, 1 1/8" X 1.88" L. 6, 8V53 (4.8175)								1	1			
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)								4	4			
	5186840	CLAMP, 1" DIA. HOSE (12.9660)								2	2			
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.2130 - GASKET, THERMOSTAT HOUSING COVER												
3A,B	5128139	GASKET, 2,3,4,6V53	1									1		
3A	5125024	GASKET, 6,8V53			1									
3A	5133450	GASKET, 6,8V53								1	1			
		5.2135 - TUBE, THERMOSTAT HOUSING VENT												
	5129867	# HOSE, #4 X 8" L. 3, 4-53 (7.4075)						1						
	118748	CONNECTOR, 1/4" FL. TUBE 1/8" P.T. (12.9380)						1						
	444052	ELBOW, 1/8"-45 DEG. STREET (BRASS) (12.9590)						1						
	5111277	FITTING (1/4"I.D. HOSE X 7/16"-20 FL. TUBE) (8.1017)						1						
	5113629	FITTING (1/4"I.D. HOSE X 1/8" P.T. (3.1002)						1						
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 154	157	159	162	166	167	172	191	271	274	275	289	290	297
		5.2050 - THERMOSTAT ASSY.														
	NPN	THERMOSTAT (CUSTOMER FURNISHED)		1												
3A,6B	5106240	THERMOSTAT ASSY., 6,8V53 (165 DEG. OPENING TEMP.)	1			1				2						
6A,B	5143210	THERMOSTAT ASSY., 3,4,6,8V53 (170 DEG. OPENING TEMP.)			2		1								2	
	5124872	THERMOSTAT ASSY., 6V53 (170 DEG. OPENING TEMP.)												2		
3B,6A	3037757	THERMOSTAT ASSY., 4-53 (180 DEG. OPENING TEMP.)						1	1			1	1			
	5102978	THERMOSTAT ASSY., 6V53 (180 DEG. OPENING TEMP.)									2					
	8921348	THERMOSTAT ASSY., 6V53 (170 DEG. OPENING TEMP.)														2
		5.2060 - SEAL, THERMOSTAT														
6A,B	5134269	SEAL, 3,4,6,8V53			2		1				2			2	2	2
	5132155	SEAL, 6,8V53	1			1				2						
		5.2090 - HOUSING, THERMOSTAT														
6A,B	5108952	HOUSING, 3,4,6,8V53					1									
1B,6B	5109630	HOUSING, 6,8V53 (L. BANK)	1			1										
	5128340	HOUSING, 6V53									1			1		1
1A,6A	5137368	+ HOUSING, 3-53		1												
1B,6B	5141637	HOUSING, 8V53 (ALUM.)								1						
1B,6B	5135638	HOUSING, 6V53 (L. BANK)			1											
	5135913	HOUSING, 6V53									1			1	2	1
1B,6B	5135949	HOUSING, 6V53 (R. BANK)			1											
1B,6B	5140174	HOUSING, 4-53						1				1				
	5103205	HOUSING, 3-53							1							
	5108088	HOUSING, 3, 4, 6V53											1			
	5124775	BASE, 6,8V53			2						2			2	2	2
	5127997	ADAPTOR, 3,4,6,8V53					1									
	103647	DRAINCOCK, 1/4" (12.9510)					1									
	118753	ELBOW, 1/4"X1/8" P.T. 90 DEG. (12.9480)					1									
	118754	ELBOW, 5/16"-90 DEG. FLARED TUBE (12.9380)												1		
	5113322	*CONNECTOR, 1/4" HOSE 1/2"-20 (2.5215)*												1		
	119932	BUSHING, 3/8" X 1/8" RED (12.9570)												1		
	120401	ELBOW, 1/4"-90 DEG. STREET (12.9480)					1									
	5100105	NIPPLE, 7/8" X 3.60"							1			1				
	5153473	CLIP, 1/2" (4.6040)												1		
	5145009	PLUG, 1/8" PIPE (12.9550)					AR									
	5121182	PLUG, 1/4" PIPE (2.4015)					2	1	1							
	5136241	PLUG (.580" DIA.) (PLASTIC) (2.2001)	1													
	5136240	PLUG (.42" DIA.) (2.2001)										1				
	5145014	PLUG, 3/8" PIPE (12.9550)				3		1	1	1	3	1	2	2	4	3
	5173333	PLUG, 3/8" PIPE (12.9550)		2												
	5115214	PLUG, 1/2" PIPE (12.9550)			5	2	3	3	3	2	5	3	2	5	4	5
	5138827	PLUG (.720" DIA) (PLASTIC) (2.2001)	2													
	5173334	PLUG, 1/2" PIPE (12.9550)		2												
	179839	BOLT, 3/8"-16X1" (12.9001)					3									
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			4						4			4	4	4
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)							2			2				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1			1						
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)								2						

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 154	157	159	162	166	167	172	191	271	274	275	289	290	297
		5.2090 - HOUSING, THERMOSTAT (CONT'D)														
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	2			2										
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)		2									2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)			2						2			2		2
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2						2			2	4	2
	138243	SCREW, 3/8"-16X1 7/8" (12.9027)					4									
	103341	WASHER, 3/8" (12.9190)	2			2				2						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ OBSOLETE.														
		5.2092 - ELBOW, THERMOSTAT HOUSING OUTLET														
	5109549	ELBOW, 6,8V53	1			1				1						
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	2			2				2						
	103341	WASHER, 3/8" (12.9190)	2			2				2						
	103321	LOCKWASHER, 3/8" (12.9200)	2			2				2						
	5115214	PLUG, 1/2" PIPE (12.9550)	1			1				1						
		5.2093 - SEAL, THERMOSTAT HOUSING OUTLET ELBOW														
	5116242	GASKET, 4,6,8V53 (1.2044)	1			1		1		1		1				
		5.2110 - GASKET, THERMOSTAT HOUSING														
3A,B	5116242	GASKET, 2,3,4,6,8V53 (TO CYLINDER HEAD) (1.2044)	1	1	2	3			1	1	2		1	2	2	2
3A	5124997	GASKET, 6,8V53 (TO BASE)			2						2			2	2	2
3A,B	5128002	GASKET, 3,4,6,8V53 (HOUSING TO ADAPTOR)					1									
3A,B	5119208	GASKET, 3,4,6,8V53 (ADAPTOR TO EXHAUST FLANGE) (6.1150)					1									
3A	5190023	GASKET, 8V53								1						
		5.2120 - COVER, THERMOSTAT HOUSING														
3A,5A	5125868	COVER, 6,8V53 (1/8" PIPE TAP)			1						1			1	1	1
3A,5A	5135466	COVER, 6V53	1			1										
3A,5A	5141638	COVER, 8V53								1						
	5119426	FLANGE, 2,3,4,6V53		1									1			
	114981	DRAINCOCK, 1/8" (12.9510)	1		1	1					1			1	1	1
	186618	BOLT, 5/16"-18X5/8" (12.9001)		2	2						2		2	2	2	2
	191249	BOLT, 3/8"-16X3/4" (12.9001)	4			4										
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)								6						
	103341	WASHER, 3/8" (12.9190)	AR			AR				AR						
	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR						2		2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	AR			AR				AR						
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET														
	5139715	TUBE, 8V53 (CROSSOVER) (5.2160)				1				1						
	5109680	TUBE, 6V53 (CROSSOVER) (5.2160)	1													

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 154	157	159	162	166	167	172	191	271	274	275	289	290	7
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW														
	5199778	# HOSE, 2" X 2" L. (3.1270)	2			2				2						
	5112425	# HOSE, 1 1/8" X 1.88" L. 6, 8V53 (4.8175)	1			1										
	8920537	CLAMP, 1 7/16"-2 1/2" DIA. HOSE (12.9660)	4			4				4						
	5186840	CLAMP, 1" DIA. HOSE (12.9660)	2			2										
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		5.2130 - GASKET, THERMOSTAT HOUSING COVER														
3A,B	5128139	GASKET, 2,3,4,6V53		1									1			
3A	5125024	GASKET, 6,8V53			1						1			1	1	1
3A	5133450	GASKET, 6,8V53	1			1										
3A	5175989	GASKET, 8V53								1						
		5.2135 - TUBE, THERMOSTAT HOUSING VENT														
	5129867	# HOSE, 1/4" X 9 1/2" L. 4-53 (7.4075)					1									
	5129867	# HOSE, 1/4" X 10 1/2" 6V-53 (7.4075)												1		
	5111277	FITTING, 1/4 I.D. HOSE X 7/16 -20 FL. TUBE (8.1017)					1									
	5189292	FITTING, 1/4" I.D. HOSE X 1/4"-18 FL. TUBE (5.7100)												1		
	5113629	FITTING, 1/4 I.D. HOSE X 1/8 P.T. (3.1002)					1									
		# STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.														

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 301
		5.2050 - THERMOSTAT ASSY.	
3A,6B	5106240	THERMOSTAT ASSY., 6V53 (165 DEG. OPENING TEMP.)	1
		5.2060 - SEAL, THERMOSTAT	
	5132155	SEAL, 6,8V53	1
		5.2090 - HOUSING, THERMOSTAT	
1B,6B	5109630	HOUSING, 6,8V53 (L. BANK)	1
	5115214	PLUG, 1/2" PIPE (12.9660)	1
	5136241	PLUG CAP, .58" (PLASTIC) (2.2001)	1
	5138827	PLUG CAP, .72" (PLASTIC) (2.2001)	2
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	2
	103341	WASHER, 3/8" (12.9190)	2
	103341	WASHER, 3/8" (12.9190)	2
	103321	LOCKWASHER, 3/8" (12.9200)	2
		5.2092 - ELBOW, THERMOSTAT HOUSING OUTLET	
	5109549	ELBOW, 6,8V53	1
	5115214	PLUG, 1/2" PIPE (12.9550)	1
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	2
	103341	WASHER, 3/8" (12.9190)	2
	103321	LOCKWASHER, 3/8" (12.9190)	2
		5.2093 - SEAL, THERMOSTAT HOUSING OUTLET ELBOW	
	5116242	GASKET, 4,6,8V53 (1.2044)	1
		5.2110 - GASKET, THERMOSTAT HOUSING	
3A,B	5116242	GASKET, 2,3,4,6,8V53 (TO CYLINDER HEAD) (1.2044)	1
		5.2120 - COVER, THERMOSTAT HOUSING	
3A,5A	5135713	COVER, 6V53	1
	5145014	PLUG, 3/8"-18 PIPE (12.9550)	1
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	4
	114981	DRAINCOCK, 1/8" (12.9510)	1
	103341	WASHER, 3/8" (12.9190)	4
	103321	LOCKWASHER, 3/8" (12.9200)	4
		5.2122 - ELBOW, THERMOSTAT HOUSING COVER OUTLET	
	5109680	TUBE, 6V53 (CROSSOVER) (5.2160)	1

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5.2000B THERMOSTAT

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 301
		5.2124 - HOSE, THERMOSTAT HOUSING COVER OUTLET ELBOW	
	8921827	# HOSE, 2"X2" L. (5.3330)	2
	5104839	HOSE, 1 1/8"X1.88" (5.2165)	1
	8920537	CLAMP, 1 7/16"-2 1/2" DIA. HOSE (12.9660)	4
	5186840	CLAMP, 1" DIA. HOSE (12.9660)	2
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.	
		5.2130 - GASKET, THERMOSTAT HOUSING COVER	
	5117786	GASKET, 6V53	1

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	133	138	139	146	147	150	163	164	166	167	168
		5.2160 - TUBE, WATER BY-PASS												
1A	5119479	TUBE, 2,3,4-53	1											
1A	5123532	TUBE, 2-53		1										
1A	5121420	TUBE, 2,3,4-53			1									
3A	5122563	TUBE, 3,4-53				1								
1A	5124774	TUBE, 2-53					1							
1A	5123163	TUBE, 3,4-53						1						
1A	5125168	TUBE, 2-53							1					
	5127993	@ TUBE, 6V53 (CROSSOVER)								1				
*	5146053	TUBE, 6V53 (CROSSOVER)									1			
1B	5124882	TUBE, 6V53 (TO PUMP)									1			
1A	5109049	TUBE, 4-53										1		
1A	5128699	+ TUBE, 4-53											1	
1A	5128698	+ TUBE, 4-53												1
	128003	BUSHING, 1"X3/4" RED. (12.9570)										1	1	1
	5181801	ELBOW, 3, 4-53 (3/4" PIPE X 1" HOSE) (5.2161)				1						2	1	1
	5122564	ELBOW, 3,4-53 (1" HOSE) (5.2095)				1		1						
	5128262	ELBOW, 4, 6V53 (1" PIPE X 1 1/4" HOSE)								2				
	5127969	+ TEE (THERMOSTAT HSG. TO PUMP)								1				
1A	5119425	FLANGE, 2,3,4-53 (4.1510)	1		1	1	1	1						
1B	5125867	FLANGE, 6V53									3			
	5124948	FLANGE, 3,4-53				1						1		
	5184301	SEAL RING, 2,3,4-53 (4.4060)	1		1	1	1	1						
	5125150	SEAL RING, 6V53									3			
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2		2	4	2	2			6	2		
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)							2					
	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR	AR	AR	AR	AR		AR	AR		
		* FIG. 1J OF 1.0000.												
		@ NOT SERVICED; CONVERT TO TYPE 183 WATER BY-PASS TUBE AND TYPE 195 OR 198 WATER CONNECTIONS.												
		+ OBSOLETE.												
		5.2165 - HOSE, WATER BY-PASS TUBE												
1A	5169721	# HOSE, 7/8" I.D. X 1.74" L. 2, 3, 4-53 (4.8010)	1	2	1		1	1	1					
1A	5118149	# HOSE, 1" I.D. X 2.50" L. (4.1642)				2		1				2	1	1
1A	5118149	# HOSE, 1" I.D. X 2" L. 4-53 (4.1642)											1	1
1B	5112425	# HOSE, 1 1/8" I.D. X 1.88" L. 6V53 (4.8175)									1			
6A	5120022	# HOSE, 1 1/4" I.D. X 2.26" L. 4, 6V53 (4.8010)								4				
1A,B	5186840	CLAMP, 1" DIA. HOSE (12.9660)				4		4	2		2	4	4	4
1B	2337379	CLAMP, 1 1/16" DIA. HOSE (12.9660)								8				
1A	111609	CLAMP, 1 3/16" DIA. HOSE (12.9660)	2		2		2							

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 130	133	138	139	146	147	150	163	164	166	167	168
		5.2165 - HOSE, WATER BY-PASS TUBE (CONT'D)												
1A	**272855**	CLAMP, 1 1/4" DIA. HOSE (12.9660) ..... # STD. LENGTH HOSE, CUT TO LENGTH SHOWN.		4										
		5.2170 - GASKET, WATER BY-PASS TUBE												
6A,B	**5116357**	GASKET, 3,4,6V53 (1.1070)				1						1		
6A	**5128139**	GASKET, 2-53							1					
		5.2190 - CLIP, WATER BY-PASS TUBE												
	5124227	CLIP, 13/32" DIA. (5.2165)		1										
	5177001	CLIP, 7/8" DIA. (8.3801)						1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1										
	103321	LOCKWASHER, 3/8" (12.9200)		1				1						

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 171	174	177	181	182	183	185	186	187	200	201
		5.2160 - TUBE, WATER BY-PASS											
*	**5146053**	TUBE, 6V53 (CROSSOVER)							1				
1A	**5109049**	TUBE, 4-53								1			
1A	**5129016**	+ TUBE, 2-53	1										
1A	**5100125**	+ TUBE, 2-53		1									
1A	**5108213**	+ TUBE, 3,4-53			1								
1A	**5119478**	+ TUBE, 2,3,4-53				1							
1A	**5108944**	TUBE, 3,4-53					1						
1B	**5109559**	+ TUBE, 6V53							1				
1A	**5108660**	+ TUBE, 4-53									1		
1A	**5135502**	TUBE, 2,3,4-53 (UPPER)										1	
1A	**5109412**	+ TUBE, 6V53 (CROSSOVER)											1
1A	**5108705**	+ TUBE, 6V53 (TO PUMP)											1
	5128262	ELBOW, 4, 6V53 (1" PIPE X 1 1/4" HOSE)						2		2			
	5108833	ELBOW, 6V53 (1 1/8" PIPE X 1 1/8" HOSE)											1
1A	**5119425**	FLANGE, 2,3,4-53 (4.1510)	1	1		1	1				1	1	
1B	**5125867**	FLANGE, 6V53							3				3
1A	**5108953**	+ FLANGE, 4,6V53						1		1			
	5184301	SEAL RING, 2,3,4-53 (4.4060)	1	1		1	1				1	1	
	5125150	SEAL RING, 6V53							3				3
	179816	BOLT, 5/16"-18X3/4" (12.9001)									2		
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2		2	2		6			2	8
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)						2		2			
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
	120376	NUT, 5/16"-18 (12.9120)											2
		* FIG. 1J OF 1.0000.											
		+ OBSOLETE.											
		5.2165 - HOSE, WATER BY-PASS TUBE											
1A	**5169721**	# HOSE, 7/8" I.D. X 1.74" L. 2, 3, 4-53 (4.8010)	1	1	2	1	1				1	1	
1B	**5112425**	# HOSE, 1 1/8" I.D. X 1.88" L. 6V-53 (4.8175)							1				1
	5120022	# HOSE, 1 1/4" I.D. X 8 1/2" L. 6V53 (4.8010)						1					
	5120022	# HOSE, 1 1/4" I.D. X 11" L. 6V53 (4.8010)						1					
6A	**5120022**	# HOSE, 1 1/4" I.D. X 2.26" L. 4, 6V53 (4.8010)								2			
	5111832	NIPPLE, 1" PIPE X 1 1/4 HOSE						1					
1A,B	**5186840**	CLAMP, 1" DIA. HOSE (12.9660)							2				2
1A,B	**2337379**	CLAMP, 1 1/16" DIA. HOSE (12.9660)						4		4			
1A	**111609**	CLAMP, 1 3/16" DIA. HOSE (12.9660)	2	2	4	2	2				2	2	
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		5.2170 - GASKET, WATER BY-PASS TUBE											
6A,B	**5116357**	GASKET, 3,4,6V53 (1.1070)						1		1			
6B	**5125024**	GASKET, 6V53											1

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 171	174	177	181	182	183	185	186	187	200	201
		5.2190 - CLIP, WATER BY-PASS TUBE											
	5155664	CLIP (4.1570)											1
	5175705	SPACER, 13/32" I.D. X 1" L (3.1240)											1
	186290	BOLT, 3/8"-16X6" (12.9001)											1

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 206	207	212	216	222	236	239	240	241	243	244	247
		5.2160 - TUBE, WATER BY-PASS												
1A	5132568	* TUBE, 3-53	1											
1A	5132569	* TUBE, 3-53		1										
1B	5109680	TUBE, 6V53 (CROSSOVER)			1									
	5132797	TUBE, 8V53 (CROSSOVER)				1								
1B	5124882	TUBE, 8V53 (TO PUMP)				1								
1B	5135358	* TUBE, 6,8V53 (LEFT BANK)					1							
1B	5135359	* TUBE, 6,8V53 (RIGHT BANK)					1							
1A	5136414	TUBE, 3,4-53						1						
1A	5130209	TUBE, 3,4-53 (LOWER)							1		1			
1A	5136499	TUBE, 2,3,4-53							1		1			
1A	5102906	TUBE, 4-53 (DEV. L. 12.18")								1				
1B	5146053	TUBE, 6,8V53 (TO THERMOSTAT HOUSING)										1		1
1B	5109559	* TUBE, 6,8V53										1	1	1
1A	5135502	TUBE, 4-53											1	
	128003	BUSHING, 1"X3/4" RED. (12.9570)	1	1										
	5181801	ELBOW, 3/4" PIPE X 1" HOSE (5.2161)	1	1										
1B	5125867	FLANGE, 6,8V53				3						3		3
1B	5119425	FLANGE, 2,3,4-53 (4.1510)						1	1		1		1	
	5125150	SEAL RING, 6,8V53				3						3		3
	5184301	SEAL RING, 2,3,4-53						1	1		1		1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)				6	2	2	2		2	6	2	6
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)					2							
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR	AR	AR	AR	AR	AR	AR	AR
		* OBSOLETE												
		5.2165 - HOSE, WATER BY-PASS TUBE												
1A	5169721	# HOSE, 7/8" I.D. X 1.74" L. 2, 3, 4-53 (4.8010)						1	1	2	2			
5A	5118149	# HOSE, 1" I.D. X 2.50" L. 3-53 (4.1642)	1	1										
5A	5118149	# HOSE, 1" I.D. X 2" L. 3-53 (4.1642)	1	1										
5B	5112425	# HOSE, 1 1/8" I.D. X 1.88" L. 6, 8V53 (4.8175)			1	1						1		1
5A,B	5120022	# HOSE, 1 1/4" I.D. X 2.76" L. 4, 6, 8V53 (4.8010)					4							
1B	5199778	# HOSE, 2" I.D. X 2" L. 6V53 (3.1270)			2		4							
	5111832	NIPPLE, 1" PIPE X 1 1/4" HOSE					4					2		2
1A,B	5186840	CLAMP, 1" DIA. HOSE (12.9660)	4	4	2	2								
1A,B	2337379	CLAMP, 1 1/4" DIA. HOSE (12.9660)					8							
1A	111609	CLAMP, 1 3/16" DIA. HOSE (12.9660)						2	2	4	4			
1B	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE			4									
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 252	253	258	261	262	268	269	288	292	294	295
		5.2160 - TUBE, WATER BY-PASS											
1B	**5124882**	TUBE, 8V53 (TO PUMP)			1			1					
1A	**5136414**	TUBE, 3,4-53									1		
1A	**5136499**	TUBE, 2,3,4-53								1			
1B	**5146053**	TUBE, 6,8V53 (TO THERMOSTAT HOUSING)			1			1					
1A	**5136784**	TUBE, 3-53 (UPPER)	1										
1A	**5119479**	TUBE, 2-53		1									
1A	**5138760**	+ TUBE, 4-53				1	1						
1A	**5140183**	TUBE, 4-53							1				
1A	**5130209**	TUBE, 2-53 (LOWER)								1			
1A	**5136596**	TUBE, 2-53										1	
1A	**5141971**	TUBE, 8V53											1
1B	**5125867**	FLANGE, 6,8V53			3			3					
1B	**5119425**	FLANGE, 2,3,4-53 (4.1510)	1	1						1	1	1	
	5125150	SEAL RING, 6,8V53			3			3					
	5184301	SEAL RING, 2,3,4-53	1	1						1	1	1	
	5144702	CONNECTOR (5.2165)										1	
	5142549	PLUG, 3/4" PIPE (12.9550)										1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	6			6		2	2	2	
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)											4
	103341	WASHER, 3/8" (12.9190)										4	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR			AR		AR	AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)											4
		+ OBSOLETE.											
		5.2165 - HOSE, WATER BY-PASS TUBE											
1A	**5169721**	# HOSE, 7/8" I.D. X 1.74" L. 2, 3-4-53 (4.8010)		2					2	2	1	1	
1A	**5169721**	# HOSE, 7/8" I.D. X 2 1/2" L. 3-53 (4.8010)	1										
5B	**5112425**	# HOSE, 1 1/8" I.D. X 1.88" L. 6, 8V53 (4.8175)			1			1					
5A,B	**5120022**	# HOSE, 1 1/4" I.D. X 2.76" L. 4, 6, 8V53 (4.8010)				4	4						
	5111832	NIPPLE, 1" PIPE X 1 1/4" HOSE				4	4						
1A,B	**5186840**	CLAMP, 1" DIA. HOSE (12.9660)	2		2			2				2	
1A,B	**2337379**	CLAMP, 1 1/4" DIA. HOSE (12.9660)				8	8						
1A	**111610**	CLAMP, 1 1/4" DIA. HOSE (12.9660)		4					4	4	6		
		# STD. LENGTH, HOSE CUT TO LENGTH SHOWN.											
		5.2170 - GASKET, WATER BY-PASS TUBE											
	5141972	GASKET, 8V53											1

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	318	319	320	321	325	334	338	340	342	343	344	345	346
		5.2160 - TUBE, WATER BY-PASS														
3A	5133554	TUBE, 3-53	1													
1A	5108944	TUBE, 3-53		1												
6A	5122563	TUBE, 3-53			1											
6A	5109049	TUBE, 4-53				1										
1A	5125168	TUBE, 2-53					1									
1A	5136596	TUBE, 2-53						1								
	5123163	TUBE, 3,4-53								1						
1A	5128699	+ TUBE, 4-53										1				
6A	5138584	+ TUBE, 4-53											1			
6A	5138760	+ TUBE, 4-53												1		
1A	5128698	+ TUBE, 4-53													1	
	5136414	TUBE, 4-53														1
	5102906	TUBE, 3, 4-53							1							
	5140183	TUBE, 4-53									1					
1A	5119425	FLANGE, 2,3,4-53 (4.1510)		1	1			1		1						1
3A	5124946	FLANGE, 3-53			1											
1A	5108953	+ FLANGE, 4-53				1										
5A	5181801	ELBOW, 3/4" PIPE X 1" HOSE (5.2161)			1							1			1	
5A	5122564	ELBOW, 1" HOSE (5.2095)			1					1						
5A	5128262	ELBOW, 1" PIPE X 1 1/4" HOSE				2										
	5144512	CONNECTOR (5.2030)	1													
	5144702	CONNECTOR (4.2165)		1			1	1		1		1			1	
1A	5184301	SEAL RING (4.4060)		1	1			1		1						1
	128003	BUSHING, 1"X3/4" RED. (12.9570)										1			1	
	5142549	PLUG, 3/4" PIPE (12.9550)	1	1	2	2	1	1		1		1	2	2	1	
3A	186625	BOLT, 5/16"-18X7/8" (12.9001)		2	4			2		2						2
5A	106327	BOLT, 5/16"-18X1 3/8" (12.9001)				2										
1A	179822	BOLT, 5/16"-18X1 1/2" (12.9001)					2									
3A	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR	AR	AR	AR		AR						AR
		+ OBSOLETE.														
		5.2165 - HOSE, WATER BY-PASS TUBE														
1A	5169721	# HOSE, 7/8" I.D. X 1.74" L. 2, 3, 4-53 (4.8010)		1			1	1	2	1	2					1
1A	5118149	# HOSE, 1" I.D. X 2" L. 4-53 (4.1642)										1			1	
6A	5118149	# HOSE, 1" I.D. X 2.50" L. 3, 4-53 (4.1642)			2					2		1			1	
	5112425	# HOSE, 1 1/8" I.D. X 1.88" L. 3, 6V53 (4.8010)	2													
6A	5120022	# HOSE, 1 1/4" I.D. X 2.26" L. 4-53 (4.1642)				2							2	2		
	5111832	NIPPLE, 1 PIPE X 1 1/4 HOSE											2	2		
1A	5186840	CLAMP, 1" DIA. HOSE (12.9660)		2	4		2	2	4	4	4	4			4	2
6A	2337379	CLAMP, 1 1/4" DIA. HOSE (12.9660)	4			4							4	4		
	5105130	+ CLAMP, 1" HOSE (4.8175)	2													
	5144702	CONNECTORR (5.2165)							1		1					1
	5142549	PLUG, 3/4"-14 PIPE (12.9550)							1		1					1
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.														
		+ OPTIONAL.														
		5.2170 - GASKET, WATER BY-PASS TUBE														
6A	5116357	GASKET, 3,4-53 (1.1070)			1	1										
6A	5128139	GASKET, 2-53					1									

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5.2000C WATER BY-PASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	318	319	320	321	325	334	338	340	342	343	344	345	346
		5.2190 - CLIP, WATER BY-PASS TUBE														
	5177001	CLIP (8.3801)								1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)								1						
	103321	LOCKWASHER, 3/8" (12.9200)								1						

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5.2000C WATER BYPASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 348	349	351	352	354	355	360	370	381	382	387	399	401
		5.2160 - TUBE, WATER BYPASS													
	NPN	TUBE (CUSTOMER FURNISHED)								1					
6A	5138584	% TUBE, 4-53		1											
1A	5146053	TUBE, 6V53 (CROSSOVER)			1	1			1					1	
1A	5148282	TUBE, 3,4-53									1				
1A	5145230	TUBE, 6V53			1	1			1					1	
1A	5136784	TUBE, 3-53 (UPPER)						1							
	5146555	TUBE, 3-53 (LOWER)						1							
	5130982	TUBE, 3,4-53 (UPPER)										1			
	5130209	TUBE, 3,4-53 (LOWER)										1			
	5104391	TUBE, 6V53											1		
	5109680	TUBE, 6V53 (CROSSOVER)											1		
	5135358	% TUBE, 8-53 (L.B.)					1								
	5135359	% TUBE, 8-53 (R.B.)					1								
1A	5119425	FLANGE, 2,3,4-53 (4.1510)						1			1	1			
1A	5125867	FLANGE, 3-53			3	3			3					3	
5A	5122564	ELBOW, 1" HOSE (5.2095)									1				
	5128262	ELBOW, 1" HOSE													2
	144116	ELBOW, 1" X 45 DEG. (12.9590)													2
	5144512	CONNECTOR (5.2030)			1	1			1					1	
	5144702	CONNECTOR (5.2165)						1			1				
1A	5184301	SEAL RING (4.4060)						1		1	1	1			
1A	5125150	SEAL RING			3	3			3					3	
	5111832	NIPPLE, 1" PIPE X 1 1/4" HOSE (5.2165)													2
	5142549	PLUG, 3/4" PIPE (12.9550)	2	2	1	1		1	1	1	1				
3A	186625	BOLT, 5/16"-18X7/8" (12.9001)			6	6		2			2	2		6	
	186618	BOLT 5/16"-18X5/8" (12.9001)							6						
3A	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR		AR	AR		AR	AR		AR	
		% OBSOLETE.													
		5.2165 - HOSE, WATER BYPASS TUBE													
1A	5169721	# HOSE, 7/8" I.D. X 1.74" L. 2, 3, 4-53 (4.8010)		1							1	1			
	5169721	# HOSE, 7/8" I.D. X 2.50" L. 3-53 (4.8010)		1											
6A	5118149	# HOSE, 1" I.D. X 2.50" L. 3, 4-53 (4.1642)									2				
	5112425	# HOSE, 1 1/8" I.D. X 1.88" L. 3, 6V53 (4.8010)		2	1			2	1						
6A	5120022	# HOSE, 1 1/4" I.D. X 2.26" L. 4-53 (4.8010)	2	2			4								
	5120022	# HOSE, 1 1/4" I.D. X 1.74" L. (4.8010)													2
	5104839	HOSE, 1 1/8" I.D.X1.88" L. 6V53)											1		
	8921827	HOSE, 2" I.D.X2"L. (5.3330)											2		
	5111832	NIPPLE, 1" PIPE X 1 1/4" HOSE	2	2			2								

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5.2000C WATER BYPASS TUBE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 348	349	351	352	354	355	360	370	381	382	387	399	401
		5.2165 - HOSE, WATER BYPASS TUBE (CONT'D)													
1A	**5186840**	CLAMP, 1 1/2" DIA. HOSE (12.9660)			2	2		4			4	4	2		
6A	**2337379**	CLAMP, 1 1/4" DIA. HOSE (12.9660)	4	4			8		2				4	2	4
	8920537	CLAMP, 2" DIA. HOSE (12.9660)										1			
	5144702	CONNECTOR, 3/4" PIPE -.88" HOSE										1		1	
	5142549	PLUG, 3/4"-14 PIPE (2.4015)													
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.													
		5.2190 - CLIP, WATER BYPASS TUBE													
	5177001	CLIP (8.3801)									1				
	179837	BOLT, 3/8"-16X3/4" (12.9001)									1				
	103321	LOCKWASHER, 3/8" (12.9200)									1				

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 57	58	62	64	68	69	70	72	76	77	78	79
		5.3001 - RADIATOR ASSY.												
		A RADIATOR ASSY. INCLUDES ITEMS IN 5.3001, 5.3100, 5.3120 AND 5.3130.												
	5119264	RADIATOR ASSY., 2-53	1							1		1	1	
	5119023	RADIATOR ASSY., 3,4-53		1				1						1
	5122879	RADIATOR ASSY., 4-53				1								
	3153153	RADIATOR ASSY., 4-53							1					
	5128001	= RADIATOR ASSY., 2,3-53			1		1				1			
	5196525	TUBE, RADIATOR INLET 2-53	1							1		1	1	
	5196524	ADAPTOR, 1/4" PIPE THD. RADIATOR FLANGE	1							1		1	1	
	103647	DRAINCOCK, 1/4" (12.9510)	1	1		1		1		1	1	1	1	1
	5121182	PLUG, 1/4" PIPE (2.4015)		1		1		1						1
	9426177	SCREW, #10-16X3/8" RD. HD. (12.9065)	6							6		6	6	
	186625	BOLT, 5/16"-18X7/8" (12.9001)										6		
	179837	BOLT, 3/8"-16X3/4" (12.9001)					2				2			
	179839	BOLT, 3/8"-16X1" (12.9001)					1				1			
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)					1				1			
	181360	BOLT, 3/8"-24X3/4" (12.9001)		8		8		8	8					8
	120393	WASHER, 5/16" (12.9190)										6		
	103320	LOCKWASHER, 5/16" (12.9200)										6		
	103321	LOCKWASHER, 3/8" (12.9200)		8		8	4	8	8		4			8
		= ALSO INCLUDES FAN GUARD IN 5.40008.												
		5.3015 - SHELL ASSY., RADIATOR												
#	5123403	SHELL ASSY., 2-53	1									1	1	
##	5135963	SHELL ASSY., 4-53		1		1								
##	5122598	* SHELL ASSY., 3,4-53												1
	5139347	SUPPORT, RADIATOR SHELL 2-53 (C ENGINE)	1									1		
	5125691	SUPPORT, RADIATOR SHELL 2-53 (A ENGINE)	1											
	5126065	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(BLOWER SIDE) (A ENGINE)		1		1								
	5126064	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(EXHAUST SIDE) (A ENGINE)		1		1								
	5126066	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(BLOWER SIDE) (C ENGINE)		1		1								
	5131200	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(EXHAUST SIDE) (C ENGINE)		1		1								
	5126062	SUPPORT, RADIATOR SHELL 3,4-53 (LOWER)(EXHAUST SIDE)		1		1								
	5126061	SUPPORT, RADIATOR SHELL 3,4-53 (LOWER)(BLOWER SIDE)		1		1								
	5127989	SUPPORT, RADIATOR MOUNTING 2-53					1				1			

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 57	58	62	64	68	69	70	72	76	77	78	79
		5.3015 - SHELL ASSY., RADIATOR (CONT'D)												
	5125763	* SUPPORT, RADIATOR SHELL 3,4-53												1
	5188167	SHIM (.031)					AR				AR			
	443603	BOLT, 1/4"-20X3/4" (12.9001)		9								2	2	9
	186647	BOLT, 1/4"-20X1" (12.9001)												1
	181360	BOLT, 3/8"-24X3/4" (12.9001)		6		6								
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1										1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1									1	1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)	8	1		1						8	8	1
	186627	BOLT, 3/8"-24X1" (12.9001)				2								2
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)					4				4			
	5167615	WASHER, BEVEL (11.1073)					4							4
	120392	WASHER, 1/4" (12.9190)	2									2	2	
	106261	WASHER, 1/4" (12.9190)		11										11
	103341	WASHER, 3/8" (12.9190)				6								
	103319	LOCKWASHER, 1/4" (12.9200)	2	11								2	2	11
	103321	LOCKWASHER, 3/8" (12.9200)	9	AR		AR						9	9	AR
	103323	LOCKWASHER, 1/2" (12.9200)					4				4			
	120375	NUT, 1/4"-20 (12.9120)	2	11								2	2	11
	102635	NUT, 3/8"-16 (12.9120)	1	2								1	1	2
	117049	NUT, 3/8"-24 (12.9120)	8			9						8	8	
	122761	NUT, 1/2"-20 (12.9120)					4							
		# FIG. 10D OF 1.0000.												
		* OBSOLETE.												
		5.3100 - NECK ASSY., RADIATOR FILLER												
	5196607	NECK, 2-53	1							1		1	1	
		5.3120 - CAP, RADIATOR FILLER												
	850802	CAP, 2,4,6V53	1						1	1		1	1	
	5197822	CAP, 2,3,4-53		1	1	1	1	1			1			1
		5.3130 - GASKET, RADIATOR FILLER CAP												
	850627	GASKET, 2,4,6V53	1						1	1		1	1	
		5.3250 - SPACER, RADIATOR MOUNTING												
	5130179	SPACER, 3/4"X.40"X.18" 2-53 (12.5023)										1		
		5.3260 - BRACKET, RADIATOR MOUNTING												
	5127988	+ SUPPORT, 2-53					2							2
	5177469	SPACER, 2-53					1							1
	181435	BOLT, 1/2"-20X2" (12.9001)					2							2
		+ OBSOLETE.												

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 80	81	82	83	84	86	89	94	100	101	103
		5.3001 - RADIATOR ASSY.											
		A RADIATOR ASSY. INCLUDES ITEMS IN 5.3001, 5.3100, 5.3120 AND 5.3130.											
	5119023	RADIATOR ASSY., 3,4-53	1		1						1		
	5122879	RADIATOR ASSY., 4-53		1		1	1						
	5128001	= RADIATOR ASSY., 2,3-53						1					
	3144548	RADIATOR ASSY., 6V53							1	1			1
	3147651	RADIATOR ASSY., 6V53										1	
	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1	1			1		
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1						
	186625	BOLT, 5/16"-18X7/8" (12.9001)	8		8								
	186629	BOLT, 5/16"-18X1" (12.9001)							10	10		10	
	179837	BOLT, 3/8"-16X3/4" (12.9001)						2					
	179839	BOLT, 3/8"-16X1" (12.9001)						1					
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)						1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)		8		8	8				8		
	120393	WASHER, 5/16" (12.9190)							10	10		10	
	120393	WASHER, 11/32" X 11/16" (12.9190)	4		4								
	103320	LOCKWASHER, 5/16" (12.9200)	8		8				10	10		10	
	103321	LOCKWASHER, 3/8" (12.9200)		8		8	8	4			8		
		= ALSO INCLUDES FAN GUARD IN 5.4000B.											
		5.3015 - SHELL ASSY., RADIATOR											
#	5135963	SHELL ASSY., 4-53	1	1	1	1							
#	5122598	* SHELL ASSY., 3,4-53					1						
	5122418	@ SHELL ASSY., 6V53							1				
	5140952	SHELL ASSY., 6V53								1		1	
	5126065	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(BLOWER SIDE) (A ENGINE)	1			1							
	5126064	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(EXHAUST SIDE) (A ENGINE)	1			1							
	5126066	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(BLOWER SIDE) (C ENGINE)		1	1								
	5131200	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(EXHAUST SIDE) (C ENGINE)		1	1								
	5126062	SUPPORT, RADIATOR SHELL 3,4-53 (LOWER)(EXHAUST SIDE)	1	1	1	1							
	5126061	SUPPORT, RADIATOR SHELL 3,4-53 (LOWER)(BLOWER SIDE)	1	1	1	1							
	5127989	SUPPORT, RADIATOR MOUNTING 2-53						1					
	5125763	SUPPORT, RADIATOR SHELL 3,4-53					1	AR					
	5188167	SHIM (.031)					9						
	443603	BOLT, 1/4"-20X3/4" (12.9001)					1						
	186647	BOLT, 1/4"-20X1" (12.9001)											
	179816	BOLT, 3/16"-18X3/4" (12.9001)	4	4	4	4							
	181360	BOLT, 3/8"-24X3/4" (12.9001)	6	6	6	6							

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 80	81	82	83	84	86	89	94	100	101	103
		5.3015 - SHELL ASSY., RADIATOR (CONT'D)											
	179838	BOLT, 3/8"-16X7/8" (12.9001)					1						
	181360	BOLT, 3/8"-24X3/4" (12.9001)					1						
	186627	BOLT, 3/8"-24X1" (12.9001)	2	2	2	2	2						
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)						4					
	5167615	WASHER, BEVEL (11.1073)					4						
	106261	WASHER, 5/16" (12.9190)					11						
	103341	WASHER, 3/8" (12.9190)	6	6	6	6							
	103319	LOCKWASHER, 1/4" (12.9200)					11						
	103321	LOCKWASHER, 3/8" (12.9200)	11	11	11	11	AR						
	103323	LOCKWASHER, 1/2" (12.9200)						4					
	120375	NUT, 1/4"-20 (12.9120)					11						
	102635	NUT, 3/8"-16 (12.9120)					2						
	117049	NUT, 3/8"-24 (12.9120)	9	9	9	9							
	122761	NUT, 1/2"-20 (12.9120)						4					
		# FIG. 10D OF 1.0000.											
		@ NOT SERVICED. FOR REPLACEMENT USE 5140952 SHELL AND 5197679 CAP.											
		* OBSOLETE.											
		5.3120 - CAP, RADIATOR FILLER											
	850802	CAP, 2,4,6V53							1				
	5197822	CAP, 2,3,4-53	1	1	1	1	1	1			1		
	5197679	CAP ASSY., 6V53								1		1	
		5.3151 - COVER, RADIATOR FILLER CAP											
	5195080	COVER AND HINGE ASSY., 6V53							1				
		5.3160 - PIPE, RADIATOR OVERFLOW											
	5124238	HOSE, 3/8" I.D.X50" L. (CUT L. 8") (1.1060)							1	1		1	
		5.3260 - BRACKET, RADIATOR MOUNTING											
	5127988	+ SUPPORT, 2-53						2					
	5177469	SPACER, 2-53 (7.1585)						1					
	181435	BOLT, 1/2"-20X2" (12.9001)						2					

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 80	81	82	83	84	86	89	94	100	101	103
		5.3260 - BRACKET, RADIATOR MOUNTING (CONT'D)											
		+ OBSOLETE.											
		5.3268 - NAME PLATE (RADIATOR)											
	5174098	PLATE, NAME 6V53							2				
	5144861	DECAL, 3,4,6V53	2	2	2					2		2	
	162991	SCREW, 1/4"-14 X 1/2" TAP (12.9065)							12				

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 107	108	110	111	116	118	128	129	130	144	145	146	147
		5.3001 - RADIATOR ASSY.													
		A RADIATOR ASSY. INCLUDES ITEMS IN 5.3001, 5.3100, 5.3120, AND 5.3130.													
	5119264	RADIATOR ASSY., 2-53	1				1								
	5119023	RADIATOR ASSY., 3,4-53		1		1			1						1
	5122879	RADIATOR ASSY., 4-53			1										
	3147651	RADIATOR ASSY., 6V53						1			1	1			
	5142700	RADIATOR ASSY., 3,4-53								1					
	8922091	RADIATOR ASSY. 3 & 4-53T											1		
	8922092	RADIATOR ASSY., 6V53												1	
	5196524	ADAPTOR, 1/4" PIPE THD. RADIATOR FLANGE 2-53	1				1								
	5196525	TUBE, RADIATOR INLET 2-53	1				1								
	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1						1		
	148344	DRAINCOCK, 1/4" (12.9510)												1	
	103647	DRAINCOCK, 1/4" (12.9510)													1
	9426177	SCREW, #10-16X7/8" RD. HD.	6				6								
	186625	BOLT, 5/16"-18X7/8" (12.9001)	6		8	8	6		4						
	186629	BOLT, 5/16"-18X1" (12.9001)		8							10			10	8
	186627	BOLT, 3/8"-24X1" (12.9001)								8					
	181360	BOLT, 3/8"-24X3/4" (12.9001)											8		
	120393	WASHER, 5/16" (12.9190)	6	8			6		8		10			10	4
	103341	WASHER, 3/8" (12.9190)								8					
	103320	LOCKWASHER, 5/16" (12.9200)	6	8	8	8	6				10			10	8
	103321	LOCKWASHER, 3/8" (12.9200)								8			8		
		5.3015 - SHELL ASSY., RADIATOR													
	5134117	SHELL ASSY., 2-53	1												
	5135963	SHELL ASSY., 3,4-53		1	1	1									
	5123403	SHELL ASSY., 2-53					1								
	5143711	SHELL ASSY., 3-53							1						
	5140952	SHELL ASSY., 6V53									1	1			
	5139763	SHELL ASSY., 3 4-53								1					
	5125691	SUPPORT, RADIATOR SHELL 2-53 (A ENGINE)	1												
	5126066	SUPPORT, RADIATOR SHELL 3,4-53 (UPPER)(BLOWER SIDE) (C ENGINE)		1	1				2						1
	5131200	SUPPORT, RADIATOR SHELL 4-53 (UPPER)(EXHAUST SIDE) (C ENGINE)		1	1										1
	5126061	SUPPORT, RADIATOR SHELL 3,4-53 (LOWER)(BLOWER SIDE)		1	1	1			1						1
	5126062	SUPPORT, RADIATOR SHELL 3,4-53 (LOWER)(EXHAUST SIDE)		1	1	1			1						1
	5126065	SUPPORT, RADIATOR SHELL 3-53 (UPPER)(BLOWER SIDE)				1									
	5126064	SUPPORT, RADIATOR SHELL 3-53 (UPPER)(EXHAUST SIDE)				1									
	5139347	SUPPORT, RADIATOR SHELL 2-53 (UPPER)(C ENGINE)					1								
	5164294	SPACER, 13/32"X7/8"X1/8" 4-53 (7.1581)		1											1
	5130179	SPACER, 3/4"X.40"X.18" 2,3,4-53 (12.5023)		1			1								1
	5143368	SHIM, 1/4" THICK									2				
	443603	BOLT, 1/4"-20X3/4" (12.9001)	1												
	179816	BOLT, 5/16"-18X3/4" (12.9001)		4	4	4									
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)							4						

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 107	108	110	111	116	118	128	129	130	144	145	146	147
		5.3015 - SHELL ASSY., RADIATOR (CONT'D)													
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1	1	1									1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1						1						
	181360	BOLT, 3/8"-24X3/4" (12.9001)	8	6	7	7	8		7						
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)		1			1								1
	186627	BOLT, 3/8"-24X1" (12.9001)		2	2	2			2						1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)								6	4				
	120392	WASHER, 1/4" (12.9190)	2				2								
	120393	WASHER, 5/16" (12.9190)		4											
	120394	WASHER, 3/8" (12.9190)			6	6									
	103341	WASHER, 3/8" (12.9190)		7			8		6		4				1
	5170971	WASHER, BEVEL								6	4				
	120380	LOCKWASHER, 1/4" (12.9200)	2				2								
	103320	LOCKWASHER, 5/16" (12.9200)							4						
	103321	LOCKWASHER, 3/8" (12.9200)	8	8	9	9	8		9	6	4				2
	120375	NUT, 1/4"-20 (12.9120)	2				2								
	102635	NUT, 3/8"-16 (12.9120)	1												
	117049	NUT, 3/8"-24 (12.9120)	8	8	9	9	8		9		4				
	103026	NUT, 3/8"-24 (12.9120)								6					
		5.3100 - NECK ASSY., RADIATOR FILLER													
	5196607	NECK	1				1								
		5.3120 - CAP, RADIATOR FILLER													
	850802	CAP, 2-53	1				1								
	5197822	CAP, 3,4-53		1	1	1			1		1		1		1
	5197679	CAP, 6V53						1				1		1	
		5.3160 - PIPE, RADIATOR OVERFLOW													
	5124238	HOSE, 3/8" I.D. X 50" L. (CUT L. 8") (1.1060)						1			1	1			
		5.3268 - NAME PLATE, RADIATOR													
	5144861	DECAL, 2,3,4,6V53	2	2	2	2	2		2		2				1

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5.3000A RADIATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 148	149	156	158	159	162
		5.3001 - RADIATOR ASSY.						
	NPN	RADIATOR ASSY. (CUSTOMER FURNISHED)	1					
	8927124	RADIATOR ASSY.		1				
	8927127	RADIATOR ASSY.			1		1	
	8927126	RADIATOR ASSY.				1		1
	186629	BOLT, 5/16"-18X1" (12.9001)		10				10
	120393	WASHER, 5/16" (12.9190)		10				10
	103320	LOCKWASHER, 5/16" (12.9200)		10				10
		5.3015 - SHELL ASSY., RADIATOR						
	5135963	SHELL ASSY., 4-53	1					
	5140952	SHELL ASSY., 4-53		1	1			1
	5126066	SUPPORT, RADIATOR SHELL 4-53 (UPPER) (BLOWER SIDE) (D ENGINE)	1					
	5131200	SUPPORT, RADIATOR SHELL 4-53 (UPPER) (EXHAUST SIDE) (D ENGINE)	1					
	5126061	SUPPORT, RADIATOR SHELL 4-53 (LOWER) (BLOWER SIDE)	1					
	5126062	SUPPORT, RADIATOR SHELL 4-53 (LOWER) (EXHAUST SIDE)	1					
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)	1					
	5130179	SPACER, 3/4"X.40"X.18" (12.5023)	1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)	6					
	186627	BOLT, 3/8"-24X1" (12.9001)	3					
	181374	BOLT, 3/8"-24X1 1/2" (12.9001)	1					
	103341	WASHER, 3/8" (12.9190)	7					
	103321	LOCKWASHER, 3/8" (12.9200)	9					
	117049	NUT, 3/8"-24 (12.9120)	8					
		5.3120 - CAP, RADIATOR FILLER						
	850802	CAP, 4, 6V53		1	1	1	1	1
		5.3160 - PIPE, RADIATOR OVERFLOW						
	5124238	HOSE, 3/8" I.D.X50" L. (CUT L. 8") (1.1060)		1	1			1
		5.3268 - NAME PLATE, RADIATOR						
	5144861	DECAL	1	1				1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 117	118	119	121	122	123	132	133	135	136	139	140
		5.3275 - CONNECTION, THERMOSTAT HOUSING WATER OUTLET												
	5119120	FLANGE, 2,3,4,6V53 (5.2035)						1	1				1	1
	179838	BOLT, 3/8"-16X7/8" (12.9001)						2					2	2
	179839	BOLT, 3/8"-16X1" (12.9001)							2					
	103321	LOCKWASHER, 3/8" (12.9200)						2	2				2	2
		5.3281 - GASKET, THERMOSTAT HOUSING WATER OUTLET CONNECTION												
	5116092	GASKET, 2,3,4,6V53 (5.2037)						1	1				1	1
		5.3290 - HOSE, RADIATOR INLET												
	5199776	# HOSE, 1 3/4" I.D. X 6" L., 2-53 (5.3295)			1									
	5129251	HOSE, 2,3,4-53 (FORMED)				1				1	1	1		
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET												
6A	5199777	# HOSE, 1 7/8" X 2" 2, 3, 4-53 (5.5680) (5.3422)						1						
6A	5199776	# HOSE, 1 3/4" I.D. X 2" L. 2-53												1
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3300 - CLAMP, RADIATOR INLET HOSE												
	111622	CLAMP, 2 1/8" DIA. HOSE (12.9660)			2	2				2		2		
	2337379	CLAMP, 1 1/2" DIA. HOSE (12.9660)									2			
		5.3305 - CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)						2						2
		5.3310 - CONNECTION, RADIATOR OUTLET												
	5199778	TUBE, 2-53			1									
	5125061	TUBE, 3-53									1	1		
	148344	DRAINCOCK, 5/16" (12.9510)			1									

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 117	118	119	121	122	123	132	133	135	136	139	140
		5.3312 - CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET												
	5121203	ELBOW, 3,4,6V53 (5.5550)						1					1	
	179826	BOLT, 5/16"-18X2" (12.9001)						2					2	
	103320	LOCKWASHER, 5/16" (12.9200)						2					2	
		5.3313 - CONNECTION, EXPANSION TANK WATER INLET												
	5125005	ELBOW, 2-53												1
	179816	BOLT, 5/16"-18X3/4" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)												2
		5.3314 - CONNECTION, HEAT EXCHANGER FRESH WATER INLET												
5A	**5119058**	ELBOW, 2,3,4-53 (5.5440)						1						
	179826	BOLT, 5/16"-18X2" (12.9001)						2						
	103320	LOCKWASHER, 5/16" (12.9200)						2						
		5.3315 - BRACKET, EXPANSION TANK INLET CONNECTION												
	5125010	+ BRACKET, 2-53												1
	179816	BOLT, 5/16"-18X3/4" (12.9001)												2
	179839	BOLT, 3/8"-16X1" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)												2
		+ OBSOLETE												
		5.3322 - GASKET, EXPANSION TANK WATER INLET CONNECTION												
	5165808	GASKET, 2-53 (5.2130)												1
		5.3323 - GASKET, HEAT EXCHANGER FRESH WATER INLET CONNECTION												
	5119206	GASKET, 2,3,4,6V53 (6.1110)						1						
		5.3325 - GASKET, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION												
6A	**5116357**	GASKET, 3,4-53 (1.1070)						1					1	

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 117	118	119	121	122	123	132	133	135	136	139	140
		5.3330 - HOSE, RADIATOR OUTLET												
	5111151	# HOSE, (2"I.D.X4 1/2") 2,3,4-53			1	1				1				
	5199778	# HOSE (2" I.D. X 2") 2, 3, 4-53 (3.1270)			1	1				1	1	1		
	5110373	# HOSE (2"I.D.X3") 3,4-53									1	1		
		# STD.,LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP												
6A	5121204	# HOSE (2"I.D., FORMED) 2,3,4-53 (4.4211)						1					1	1
6A,B	5199778	# HOSE (2" I.D. X 2") 6V53 (3.1270)												1
	5125014	TUBE, 2-53 (2"I.D.X10.90" DEV. L)												1
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3340 - CLAMP, RADIATOR OUTLET HOSE												
@	111625	CLAMP, 2 3/8" DIA. HOSE (12.9660)			4	4				4		4		
@	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)									4			
		@ FIG. 4A OF 4.0000.												
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
5A	8920537	CLAMP, 1 9/16"-2 1/3" DIA. HOSE (12.9660)						2					2	AR
		5.3420 - ELBOW, OIL COOLER WATER OUTLET												
	5119026	* ELBOW, 3,4-53	1	1										
1A	5121184	* ELBOW, 2,3,4-53			1	1	1			1	1	1		
1A	5125506	* ELBOW, 2-53												1
	5121182	PLUG, 1/4" PIPE (2.4015)					1					1		
	5198558	BUSHING, 3/8"X1/4" (2.2030)					1							
@	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2	2	2			2	2	2		2
@	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2			2	2	2		2
		@ FIG. 4A OF 4.0000.												
		* NOT SERVICED; USE 5138275 PLUS (2) 5145014.												
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW												
@	5116357	GASKET, 2,3,4,6V53 (1.1070)	1	1	1	1	1			1	1	1		1
		@ FIG. 4A OF 4.0000.												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 117	118	119	121	122	123	132	133	135	136	139	140
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW												
@*	5199777	# HOSE (1 7/8"I.D.X4 3/4") 2,3,4-53	1	1	1	1	1			1	1	1		1
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2							2			
@	111625	CLAMP, 2 3/8" DIA. HOSE (12.9660)			2	2	2			2	2	2		2
	272865	CLAMP, 2 9/32" DIA. HOSE (12.9660)												
		@ FIG. 4A OF 4.0000.												
		* FIG. 10C OF 1.0000.												
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
5B	5119209	ELBOW, 2,3,4,6V53 (5.2161)						1	1				1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2	2				2	2
	103321	LOCKWASHER, 3/8" (12.9200)						2	2				2	2
		5.3431 - GASKET, EXHAUST MANIFOLD FRESH WATER INLET CONNECTION												
	5116242	GASKET, 2,3,4,6V53 (1.2044)						1	1				1	1
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
5A,B	5122887	HOSE, 2,3,4,6V53 (FORMED)						1	1				1	1
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
7A	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)						2	2				2	2
		5.3460 - FLANGE, EXHAUST MANIFOLD WATER OUTLET												
6A	5121175	FLANGE, 2,3,4,6V53 (6.2085)						1	1				1	1
	5145009	PLUG, 1/8" PIPE (12.9550)						1	1				1	1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						5	5				5	5
	103321	LOCKWASHER, 3/8" (12.9200)						5	5				5	5
		5.3461 - GASKET, EXHAUST MANIFOLD WATER OUTLET FLANGE												
6A,B	5119208	GASKET, 2,3,4,6V53 (6.1150)						1	1				1	1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 117	118	119	121	122	123	132	133	135	136	139	140
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE												
	5126315	TUBE ASSY., 3,4-53 (DEV. L 7.20") (D ENGINE)											1	
	5126316	TUBE ASSY., 3,4-53 (DEV. L 7.20") (B ENGINE)											1	
	5123164	TUBE ASSY., 2,3,4,6V53 (DEV. L 9 1/2") (5.2250)							1					
	225810	ELBOW, 3/8" INV. FL TUBE 90 DEG. (12.9480)							1				1	
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)						1					1	1
	442321	CONNECTOR, 1/4" INV. FL TUBE (12.9460)							1				1	
	114981	DRAINCOCK, 1/8" (12.9510)						1					1	1
		5.3486 - PLUG, HEAT EXCHANGER TANK												
	113175	PLUG, 1/8" PIPE (12.9550)						1						

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	147	148	155	156	157
		5.3275 - CONNECTION, THERMOSTAT HOUSING WATER OUTLET											
	5119120	FLANGE, 2,3,4,6V53 (5.2035)	1	1					2				
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2										
	179839	BOLT, 3/8"-16X1" (12.9001)		2					4				
	103321	LOCKWASHER, 3/8" (12.9200)	2	2					4				
		5.3281 - GASKET, THERMOSTAT HOUSING WATER OUTLET CONNECTION											
	5116092	GASKET, 2,3,4,6V53 (5.2037)	1	1					2				
		5.3290 - HOSE, RADIATOR INLET											
	5199776	# HOSE (1 3/4" I.D. X 6" L.) 2-53 (5.3295)				1							
	5129251	HOSE, 2,3,4-53 (FORMED)									1		1
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET											
6A	5199777	# HOSE (1 7/8" X 2") 2, 3, 4-53 (5.3422)	1										
6B	5199776	# HOSE (1 3/4" I.D. X 2 3/4") 2, 6V53					1	4					
	5127991	+ TUBE, 6V53 (DEV. L. 15")						2					
		# STD. LENGTH HOSE CUT TO LENGTH SHOWN.											
		+ OBSOLETE.											
		5.3300 - CLAMP, RADIATOR INLET HOSE											
	111622	CLAMP, 2 1/8" DIA. HOSE (12.9660)				2	2						2
	8920537	CLAMP, 1 9/16"-2 1/2" (12.9660)									2		
		5.3305 - CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE											
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2					8					
		5.3310 - CONNECTION, RADIATOR OUTLET											
	5125238	+ ELBOW, 2-53				1							
	5128818	TUBE, 3,4-53 (CROSSOVER)									1		1
	103647	DRAINCOCK, 1/4" (12.9510)				1							

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	147	148	155	156	157
		5.3310 - CONNECTION, RADIATOR OUTLET (CONT'D)											
		+ OBSOLETE.											
		5.3312 - CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET											
6B	5125214	ELBOW, 6V53						1		1			
	5121203	ELBOW, 3,4,6V53 (5.5550)	1										
	179826	BOLT, 5/16"-18X2" (12.9001)	2										
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)						2		2			
	103320	LOCKWASHER, 5/16" (12.9200)	2					2		2			
		5.3314 - CONNECTION, HEAT EXCHANGER FRESH WATER INLET											
	5125215	TEE, 6V53						1					
5A	5119058	ELBOW, 2,3,4-53 (5.5440)	1										
	179826	BOLT, 5/16"-18X2" (12.9001)	2										
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)						2					
	103320	LOCKWASHER, 5/16" (12.9200)	2					2					
		5.3323 - GASKET, HEAT EXCHANGER FRESH WATER INLET CONNECTION											
	5119206	GASKET, 2,3,4,6V53 (6.1110)	1					1					
		5.3325 - GASKET, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION											
6A	5116357	GASKET, 3,4-53 (1.1070)	1										
		5.3330 - HOSE, RADIATOR OUTLET											
	5199778	# HOSE (2" I.D. X 2") 2, 3, 4-53 (3.1270)				1							
	5199778	# HOSE (2" I.D. X 5.38") 2-53 (3.1270)					1						
	5127135	HOSE 3,4-53 (2"I.D., FORMED)									2		2
	5127618	CLIP (5.3310)									1		1
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)									1		1
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP											
6A	5121204	HOSE 2,3,4-53 (2"I.D., FORMED) (4.4211)	1										
6A,B	5199778	# HOSE (2" I.D. X 2") 2, 6V53 (3.1270)						1		1			

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	147	148	155	156	157
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP (CONT'D)											
		# STD.,LENGTH HOSE, CUT TO LENGTH SHOWN.											
		5.3340 - CLAMP, RADIATOR OUTLET HOSE											
@	111625	CLAMP, 2 3/8" DIA. HOSE (12.9660)				4	4						4
@	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)									4		
	5135647	CLAMP, 2 3/4"-3" DIA. HOSE (12.9660)									4		
		@ FIG. 4A OF 4.0000.											
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE											
5A	8920537	CLAMP, 1 9/16"-2 1/3" DIA. HOSE (12.9660)	2					AR		AR			
		5.3420 - ELBOW, OIL COOLER WATER OUTLET											
1A	5116328	* ELBOW, 2,3,4-53 (ADAPTOR TO BLOCK)					1						
1A	5121184	* ELBOW, 2,3,4-53	1			1					1		1
1A	5125505	* ELBOW, 2,3,4-53		1	1								
1B	5119385	@ ELBOW, 6V53						1	1	1		1	
	5121182	PLUG, 1/4" PIPE (2.4015)									1		
	5145014	PLUG, 3/8" PIPE (12.9550)									2		
#	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
#	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED; USE 5138275 PLUS (2) 5145014 PLUGS.											
		@ NOT SERVICED; USE 5135679 PLUS (1) 5163824 HOSE AND (1) 5103185 PLUG.											
		# FIG. 4A OF 4.0000.											
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW											
#	5116357	GASKET, 2,3,4,6V53 (1.1070)	1	1	1	1	1	1	1	1	1	1	1
		# FIG. 4A OF 4.0000.											
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW											
*@	5199777	# HOSE, 1 7/8" I.D. X 4 3/4" 2, 3, 4-53	1	1	1	1	1				1		1
5B	5199778	# HOSE, 2" I.D. X 2" 6V53 (3.1270)						1	1	1		1	
5B	5199777	# HOSE, 1 3/8" I.D. X 2" L. 6V53											

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	147	148	155	156	157
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW (CONT'D)											
	111625	* CLAMP, 2 3/8" DIA. HOSE (12.9660)			2							2	
	272865	CLAMP, 2 9/32" DIA. HOSE (12.9660)	2	2		2	2	2	2	2	2		2
		* FIG. 4A OF 4.0000.											
		@ FIG. 10C OF 1.0000.											
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET											
5B	5119209	ELBOW, 2,3,4,6V53 (5.2161)	1	1				2	2	2			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2									
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						4	4	4			
	103321	LOCKWASHER, 3/8" (12.9200)	2	2				4	4	4			
		5.3431 - GASKET, EXHAUST MANIFOLD FRESH WATER INLET CONNECTION											
	5116242	GASKET, 2,3,4,6V53 (1.2044)	1	1				2	2	2			
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET											
5A,B	5122887	HOSE, 2,3,4,6V53 (FORMED)	1	1				2	2	2			
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE											
7A	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2				4	4	4			
		5.3460 - FLANGE, EXHAUST MANIFOLD WATER OUTLET											
6A	5121175	FLANGE, 2,3,4,6V53 (6.2085)	1	1					2				
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1					2				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	5	5					10				
	103321	LOCKWASHER, 3/8" (12.9200)	5	5					10				
		5.3461 - GASKET, EXHAUST MANIFOLD WATER OUTLET FLANGE											
6A,B	5119208	GASKET, 2,3,4,6V53 (6.1150)	1	1					2				

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	143	144	145	146	147	148	155	156	157
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE											
	5123164	TUBE ASSY., 2,3,4,6V53 (DEV. L. 9 1/2") (5.2250)		1					1				
5B	5128921	# TUBE ASSY., 6V53 (CYLINDER HEAD TO HEAT EXCHANGER., RIGHT BANK)(DEV. L. 10.42")						1		1			
5B	5128957	# TUBE ASSY., 6V53 (CYLINDER HEAD TO HEAT EXCHANGER., LEFT BANK)(DEV. L. 9.38")						1		1			
5B	5128935	* TUBE ASSY., 6V53 (THERMOSTAT HOUSING TO EXPANSION TANK, RIGHT BANK)(DEV. L. 13.18")								1			
5B	5128934	* TUBE ASSY., 6V53 (THERMOSTAT HOUSING TO EXPANSION TANK, LEFT BANK)(DEV. L. 12.56")								1			
	178685	TEE, 1/4" INV. FL. TUBE (12.9490)								2			
	144045	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)								2			
	225810	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)		1				2	1				
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)	1						2				
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)								2			
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)		1				2	1	2			
	114981	DRAINCOCK, 1/8" (12.9510)	1						2				
		# NOT SERVICED, USE (1) 5129867 HOSE TOGETHER WITH (2) 5114048 FITTINGS.											
		* NOT SERVICED, USE (1) 5129867 HOSE TOGETHER WITH (2) 5114048 FITTINGS.											
		5.3486 - PLUG, HEAT EXCHANGER TANK											
	113175	PLUG, 1/8" PIPE (12.9550)	1										

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 159	160	161	163	164	165	166	167	168	169	173	174
		5.3275 - CONNECTION, THERMOSTAT HOUSING WATER OUTLET												
6A	5119120	FLANGE, 3,4-53 (5.2035)	1											
	5100271	TUBE, 3,4-53 (1 1/2"O.D.X19.26" DEV. L.)									1			
	5108382	TUBE, 4-53 (1 1/2" O.D. X 13.26" DEV. L)										1		
	5163930	# HOSE, 1 1/2" I.D. X 2 1/4" L. 3, 4-53									1	1		
	5100279	HOSE, 1 1/2" I.D. X 9 5/8" 3, 4-53									1	1		
	2337379	CLAMP, 1 7/8" DIA. HOSE (12.9660)									4	4		
	5100241	+ BRACKET, 3,4-53									1			
	5108277	BRACKET, 4-53										1		
	5158779	CLIP (5.5376)									1	1		
	186615	BOLT, 5/16"-18X7/8" (12.9001)									1	1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2									1		
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)									2			
	5164360	WASHER, 7/16" (6.1001)									4			
	103320	LOCKWASHER, 5/16" (12.9200)									1	1		
	103321	LOCKWASHER, 3/8" (12.9200)										AR		
	120376	NUT, 5/16"-18 (12.9120)									1	1		
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												
		5.3281 - GASKET, THERMOSTAT HOUSING WATER OUTLET CONNECTION												
	5116092	GASKET, 3,4-53 (5.2037)	1											
		5.3290 - HOSE, RADIATOR INLET												
	5129686	HOSE, 1 3/4" I.D. X 4" 2-53						1						
	5100351	HOSE, 1 3/4" I.D. X 5" 3, 4-53									1	1		
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET												
		WATER CONNECTIONS												
6A	5199776	# HOSE, 1 3/4 I.D. X 10.62" L. (4-53)		1										
6B	5199776	# HOSE, 1 3/4" I.D. X 2 3/4" L. 6V53												4
	5127991	+ TUBE, 6V53 (DEV. L. 15")												2
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												
		5.3300 - CLAMP, RADIATOR INLET HOSE												
	111622	CLAMP, 2 1/8" DIA. HOSE (12.9660)						2			2	2		

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 159	160	161	163	164	165	166	167	168	169	173	174
		5.3305 - CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)		2									2	
		5.3310 - CONNECTION, RADIATOR OUTLET												
	5125823	TUBE ASSY., 3-53 (CROSSOVER) (DEV. L. 13.5")				1			1					
	5127617	TUBE, 2-53 (18" DEV. L.) (5.3350)									1	1		
	5108221	TUBE, 3,4-53 (30" DEV. L.)							1					
	5127618	CLIP							1					
	103647	DRAINCOCK, 1/4" (12.9510)							1					
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)							1					
	117049	NUT, 3/8"-24 (12.9120)												
		5.3312 - CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET												
6A	**5121203**	ELBOW, 3,4-53 (5.5550)	1											
6A	**5126207**	+ ELBOW, 4-53		1			1							1
	5135679	ELBOW, 6V53		2										
	186629	BOLT, 5/16"-18X1" (12.9001)												
	179826	BOLT, 5/16"-18X2" (12.9001)	2				2							2
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2			2							
		+ OBSOLETE												
		5.3314 - CONNECTION, HEAT EXCHANGER FRESH WATER INLET												
5A	**5119058**	ELBOW, 3,4-53 (5.5440)		1										1
	5125215	TEE, 6V53												
	179826	BOLT, 5/16"-18X2" (12.9001)		2										2
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)		2										
		5.3323 - GASKET, HEAT EXCHANGER FRESH WATER INLET CONNECTION												
	5119206	GASKET, 3,4,6V53 (6.1110)		1										1
		5.3325 - GASKET, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION												
6A,B	**5116357**	GASKET, 3,4,6V53 (1.1070)	1	1			1							1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 159	160	161	163	164	165	166	167	168	169	173	174
		5.3330 - HOSE, RADIATOR OUTLET												
	5126636	HOSE, 3-53 (FORMED)				2								
	5127135	HOSE, 2-53 (FORMED)							2					
	5199778	# HOSE, 2" I.D. X 5.38" L. 2-53 (3.1270)						1						
	5141193	# HOSE, 2" I.D. X 2.50" L. 3, 4-53 (5.2165)									1	1		
	5199778	# HOSE, 2" I.D. X 2" L. 3, 4-53 (3.1270)									1	1		
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP												
6A	**5121204**	HOSE 3,4-53 (2"I.D., FORMED)	1											
6A	**5199778**	# HOSE, 2" I.D. X 2 1/2" 4-53 (3.1270)		2										
6B	**5199778**	# HOSE, 2" I.D. X 2" L. 6V53 (3.1270)												1
	5128116	TUBE ASSY., 4-53 (DEV. L. 44 1/8") (5.3394)		1										
	5110881	CLIP (5.2190)		1										
	5127940	SUPPORT, CLIP		1										
	103647	DRAINCOCK, 1/4" (12.9510)		1										
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1										
	120393	WASHER, 5/16" (12.9190)		1										
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	120376	NUT, 5/16"-18 (12.9120)		1										
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3340 - CLAMP, RADIATOR OUTLET HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)				4			4					
@	**111625**	CLAMP, 2 3/8" DIA. HOSE (12.9660)						2			4	4		
		@ FIG. 4A OF 4.0000.												
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
5A	**8920537**	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	4										2
		5.3420 - ELBOW, OIL COOLER WATER OUTLET												
1A	**5121184**	% ELBOW, 3,4-53	1											
1A	**5126637**	+ ELBOW, 4-53		1	1		1							
*	**5119026**	? ELBOW, 2,3,4-53				1			1					
#	**5116328**	% ELBOW (HOUSING TO BLOCK)						1			1	1	1	

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 159	160	161	163	164	165	166	167	168	169	173	174
		5.3420 - ELBOW, OIL COOLER WATER OUTLET (CONT'D)												
5B	5128153	ELBOW, 6V53								1				1
5B	5119385	@ ELBOW, 6V53												
	5121182	PLUG, 1/4" PIPE (2.4015)	1											
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1								2	
	9409012	BOLT, 5/16"-18X1" LOCK (12.9001)												
*	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2	2	2	2	2	2	2	2		2
*	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2		2
		% NOT SERVICED USE 5138275 PLUS (2) 5145014 PLUGS.												
		* FIG. 4A OF 4.0000.												
		# FIG. 10C OF 1.0000.												
		@ NOT SERVICED, USE 5135679 PLUS (1) 5199778 HOSE AND (1) 5103185 PLUG.												
		+ OBSOLETE												
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW												
	5116357	GASKET, 2,3,4,6V53 (1.1070)	1	1	1	1	1	1	1	1	1	1	1	1
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW												
*	5199777	+ HOSE (1 7/8"I.D.X4 3/4"L) 2,3,4-53	1	1	1	1	1	1	1		1	1		1
1B	5199777	+ HOSE (1 7/8 I.D. X 2 L.) 6V53								1				
	5199777	+ HOSE (1 7/8" I.D. X 2 3/4" L.) 2, 3, 4-53											1	
*	111624	+ CLAMP, 2 9/32" DIA. HOSE (12.9660)	2	2	2	2	2	2	2		2	2	2	
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)								2				2
		* FIG. 4A OF 4.0000.												
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5119209	ELBOW, 3,4,6V53 (5.2161)	1	1	1		1							2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2		2							2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2		2							2
		5.3431 - GASKET, EXHAUST MANIFOLD FRESH WATER INLET CONNECTION												
	5116242	GASKET, 3,4,6V53 (1.2044)	1	1	1		1							1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 159	160	161	163	164	165	166	167	168	169	173	174
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
5A,B	**5122887**	HOSE, 3, 4, 6V53 (FORMED)	1	1	1		1							1
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2	2		2							2
		5.3460 - FLANGE, EXHAUST MANIFOLD WATER OUTLET												
6A	**5121175**	FLANGE, 3,4-53 (6.2085)	1											
	5145009	PLUG, 1/8" PIPE (12.9550)	1											
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	5											
	103321	LOCKWASHER, 3/8" (12.9200)	5											
		5.3461 - GASKET, EXHAUST MANIFOLD WATER OUTLET FLANGE												
6A	**5119208**	GASKET, 3,4-53 (6.1150)	1											
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE												
	5126315	TUBE ASSY., 3,4-53 (DEV. L. 7.20")	1											
	5129867	# HOSE ASSY., 4-53 (8.00") (7.4075)		1	1		1							
5B	**5128957**	+ TUBE ASSY., 6V53 (DEV. L. 9.36") (LEFT BANK)												1
5B	**5128921**	+ TUBE ASSY., 6V53 (DEV. L. 10.42") (RIGHT BANK)												1
	5111277	FITTING, 1/4" HOSE X 1/4" TUBE SWIVEL (8.1017)		1	1		1							
	5113629	FITTING, 1/4" HOSE X 1/8" PIPE (3.1002)		1	1		1							
	116453	ELBOW, 1/4" FL. TUBE X 1/4" PIPE 90 DEG. (12.9390)		1	1		1							
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)	2											2
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1											
	144046	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)		1	1		1							

STD. LENGTH HOSE, CUT TO LENGTH SHOWN.

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 159	160	161	163	164	165	166	167	168	169	173	174
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE (CONT'D)												
		+ NOT SERVICED, USE (1) 5129867 HOSE TOGETHER WITH (2) 5114048 FITTINGS.												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	177	180	184	195	196	198	199	200	201	202	203
		5.3275 - CONNECTION, THERMOSTAT HOUSING WATER OUTLET												
6A	**5119120**	FLANGE, 3,4-53 (5.2035)						1		1	1	1	1	1
	179839	BOLT, 3/8"-16X1" (12.9001)						2		2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)						AR		AR	AR	AR	AR	AR
		5.3281 - GASKET, THERMOSTAT HOUSING WATER OUTLET CONNECTION												
	5116092	GASKET, 3,4-53 (5.2037)						1		1	1	1	1	1
		5.3290 - HOSE, RADIATOR INLET												
	3799895	@ HOSE, 4-53			1									
		@ PROCURE FROM CHEVROLET.												
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET												
6B	**5199776**	# HOSE, 1 3/4" I.D. X 2 3/4" L. 6V53 53					4							
	5127991	+ TUBE, 6V53 (DEV. L. 15")					2							
	5199777	# HOSE, 1 7/8" I.D. X 2" L. 3, 4-53 (5.3422)						1		1				
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												
		5.3300 - CLAMP, RADIATOR INLET HOSE												
	1161694	@ CLAMP			2									
		@ PROCURE FROM CHEVROLET.												
		5.3305 - CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)					8	2		2				
		5.3312 - CONNECTION, HEAT EXCHANGER WATER OUTLET												
6A	**5121203**	ELBOW, 3,4-53 (5.5550)						1		1			1	1
	5119058	ELBOW, 3,4-53 (5.5440)												
	5135679	ELBOW, 6V53		1			1		1					
	179826	BOLT, 5/16"-18X2" (12.9001)						2		2			2	2

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	177	180	184	195	196	198	199	200	201	202	203
		5.3312 - CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET (CONT'D)												
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)		2			2		2					
	103320	LOCKWASHER, 5/16" (12.9200)		2			2	2	2				2	2
		5.3314 - CONNECTION, HEAT EXCHANGER FRESH WATER INLET												
	5121203	ELBOW, 3,4-53 (5.5550)						1		1				
	5125215	TEE, 6V53					1							
	179826	BOLT, 5/16"-18X2" (12.9001)						2		2				
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)					2							
	103320	LOCKWASHER, 5/16" (12.9200)					2	2		2				
		5.3323 - GASKET, HEAT EXCHANGER FRESH WATER INLET CONNECTION												
	5119206	GASKET, 3,4,6V53 (6.1110)					1	1						
		5.3325 - GASKET, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION												
6A,B	5116357	GASKET, 3,4,6V53 (1.1070)		1			1	1	1	1			1	1
		5.3330 - HOSE, RADIATOR OUTLET												
	3799896	* HOSE, 4-53 * PROCURE FROM CHEVROLET.			1									
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP												
6A	5121204	HOSE (2" I.D., FORMED) 3, 4-53 (4.4211)						1		1			1	1
6B	5199778	# HOSE (2" I.D. X 2" L.) 6V53 (3.1270) # STD. LENGTH HOSE, CUT TO LENGTH SHOWN.		1			1		1					
		5.3340 - CLAMP, RADIATOR OUTLET HOSE												
	9411658	* CLAMP * PROCURE FROM CHEVROLET.			2									
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
5A	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)		2			2	2	2	2			2	2

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	177	180	184	195	196	198	199	200	201	202	203
		5.3420 - ELBOW, OIL COOLER WATER OUTLET												
*	5119026	& ELBOW, 2,3,4-53			1									
#	5116328	& ELBOW, 2,3,4-53 (HOUSING TO BLOCK)	1											
5B	5119385	@ ELBOW, 6V53		1			1		1					
1A	5109934	ELBOW, 4-53				1								
	5121182	PLUG, 1/4" PIPE (2.4015)						1						
	186629	BOLT, 5/16"-18X1" (12.9001)				2								
*	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2		2		2					
*	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2		2					
		* FIG. 4A OF 4.0000.												
		& NOT SERVICED; USE 5138275 PLUS (2) 5145014 PLUGS.												
		# FIG. 10C OF 1.0000.												
		@ NOT SERVICED, USE 5135679 PLUS (1) 5163824 HOSE ANDAND (1) 5103185 PLUG.												
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW												
	5116357	GASKET, 2,3,4,6V53 (1.1070)	1	1	1	1	1		1					
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW												
*	5199777	+ HOSE, 1 7/8 I.D.X4 3/4 L. 2,3,4-53	1		1	1								
1B	5199777	+ HOSE (1 7/8" I.D. X 2" L) 6V53		1			1		1					
*	111624	CLAMP, 2 9/32" DIA. HOSE (12.9660)	2		2	2								
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)		2			2		2					
		* FIG. 4A OF 4.0000.												
		+ STD. LENGTH HOSE. CUT TO LENGTH SHOWN.												
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5119209	ELBOW, 3,4,6V53 (5.2161)		2										
	5130450	ELBOW, 3,4,6V53 (LEFT BANK OR B & C ENGINE)					1		1	1		1	1	
	5130451	ELBOW, 3,4,6V53 (RIGHT BANK OR A & D ENGINE)					1	1	1		1			1
	5121182	PLUG, 1/4" PIPE (2.4015)					2	1	2	1	1	1	1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2				2		2	2	2	2	2
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)					4		4					
	103321	LOCKWASHER, 3/8" (12.9200)		2			4	2	4	1	1	1	1	1
		5.3431 - GASKET, EXHAUST MANIFOLD FRESH WATER INLET CONNECTION												
	5116242	GASKET, 3,4,6V53 (1.2044)		1			2	1	2	1	1	1	1	1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	177	180	184	195	196	198	199	200	201	202	203
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
5A,B	5122887	HOSE, 3,4,6V53 (FORMED) (5.5685)		1										
5A,B	5199777	+ HOSE, 1 3/4" I.D. X 2" L-3, 4, 6V53 + STD. LENGTH HOSE. CUT TO LENGTH SHOWN.					4	1	4	1	1	1	1	1
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)		2			4	2	4	2	2	2	2	2
		5.3460 - FLANGE, EXHAUST MANIFOLD WATER OUTLET												
6A	5121175	FLANGE, 3,4-53 (6.2085)						1		1	1	1	1	1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)						1		1				
	114981	DRAINCOCK, 1/8" (12.9510)						1		1				
	5145009	PLUG; 1/8" PIPE (12.9550)						1		1	1	1	1	1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)						5		5	5	5	5	5
	103321	LOCKWASHER, 3/8" (12.9200)						5		5	5	5	5	5
		5.3461 - GASKET, EXHAUST MANIFOLD WATER OUTLET FLANGE												
6A	5119208	GASKET, 3,4-53 (6.1150)						1		1	1	1	1	1
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE												
	5126315	TUBE ASSY., 3.4-53 (DEV. L 7.20")												1
5B	5128957	+ TUBE ASSY., 6V53 (DEV. L 9.36") (LEFT BANK) (5129867)		1			1		1					
5B	5128921	+ TUBE ASSY., 6V53 (DEV. L 10.42") (RIGHT BANK) (5129867)		1			1		1					
5B	5128935	+ TUBE ASSY., 6V53 (DEV. L 13.18") (5115163)		1					1					
5B	5128934	+ TUBE ASSY., 6V53 (DEV. L 12.56") (5111278)		1					1					
	5123164	TUBE ASSY., 3,4-53 (DEV. L 9 1/2") (5.2250)									1	1	1	
	5126316	TUBE ASSY., 3,4-53 (DEV. L 7.20")												
	9432337	ELBOW, 1/4" INV. FL TUBE 90 DEG. (12.9480)		2					2					
	225810	ELBOW, 1/4" INV. FL TUBE 90 DEG. (12.9480)					2				1	1	1	1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 176	177	180	184	195	196	198	199	200	201	202	203
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE (CONT'D)												
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)		2			2		2		1	1	1	1
	178685	TEE, 1/4" INV. FL. TUBE (12.9490)		2					2					
	144045	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)		2					2					
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES PLUS 2-5114048 FITTINGS.												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 204	205	207	208	209	210	211	218	219	223	225	226
		5.3275 - CONNECTION, THERMOSTAT HOUSING WATER OUTLET												
6A	5119120	FLANGE, 2,3,4-53 (5.2035)			1	1	1							
6A	179839	BOLT, 3/8"-16X1" (12.9001)			2	2	2							
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2							
		5.3281 - GASKET, THERMOSTAT HOUSING WATER OUTLET CONNECTION												
	5116092	GASKET, 2,3,4-53 (5.2037)			1	1	1							
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET												
6A,B	5199778	# HOSE, 1 3/4" I.D. X 2" L. 2, 6V53			1									
6A	5199777	# HOSE, 1 7/8" I.D. X 2" L. 3, 4-53 (5.3422)				1								
6A	5199776	# HOSE, 1 3/4" I.D. X 10.62" L. 3, 4-53	1	1										
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3305 - CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2	2	2								
		5.3312 - CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET												
6A	5126207	+ ELBOW, 3,4-53	1	1									1	1
6A	5121203	ELBOW, 3,4-53				1	1							
	186629	BOLT, 5/16"-18X1" (12.9001)	2	2									2	2
	179826	BOLT, 5/16"-18X2" (12.9001)				2	2							
	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2	2						2	2
		+ OBSOLETE												
		5.3313 - CONNECTION, EXPANSION TANK WATER INLET												
	5125005	ELBOW, 2-53			1									
	179816	BOLT, 5/16"-18X3/4" (12.9001)			2									
	103320	LOCKWASHER, 5/16" (12.9200)			2									

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 204	205	207	208	209	210	211	218	219	223	225	226
		5.3314 - CONNECTION, HEAT EXCHANGER FRESH WATER INLET												
5A	5119058	ELBOW, 3,4-53 (5.5440)	1	1		1								
	179826	BOLT, 5/16"-18X2" (12.9001)	2	2		2								
	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2								
		5.3315 - BRACKET, EXPANSION TANK INLET CONNECTION												
	5125010	+ BRACKET, 2-53			1									
	179816	BOLT, 5/16"-18X3/4" (12.9001)			2									
	179839	BOLT, 3/8"-16X1" (12.9001)			2									
	103320	LOCKWASHER, 5/16" (12.9200)			2									
		+ OBSOLETE												
		5.3322 - GASKET, EXPANSION TANK WATER INLET CONNECTION												
	5165808	GASKET, 2-53 (5.2130)			1									
		5.3323 - GASKET, HEAT EXCHANGER FRESH WATER INLET CONNECTION												
6A	5119206	GASKET, 3,4-53 (6.1110)	1	1		1								
		5.3325 - GASKET, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION												
6A,B	5116357	GASKET, 3,4,8V53 (1.1070)	1	1		1	1						1	1
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP												
6A	5141193	# HOSE, 2" I.D. X 21/2" L. 3, 4-53 (5.2165)	2	2									2	2
6A,B	5199778	# HOSE, 2" I.D. X 2" L. -2, 6V53 (3.1270)			1									
6A	5121204	# HOSE 2" I.D. FORMED -2, 3, 4-53 (4.4211)			1	1	1							
	5125011	TUBE, 2-53 (2"I.D.X10.90" DEV. L.)			1									
	5126470	TUBE, 3-53 (DEV. L. 37.76")	1	1										
	5128116	TUBE, 4-53 (DEV. L. 44 1/8") (5.3394)	1	1									1	1
	5110881	CLIP (5.2190)	1	1									1	1
	5127940	SUPPORT, CLIP	1	1									1	1
	103647	DRAINCOCK, 1/4" (12.9510)	1	1									1	1
	179816	BOLT, 5/16"-18X3/4" (12.9001)	1	1									1	1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 204	205	207	208	209	210	211	218	219	223	225	226
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP (CONT'D)												
	120393	WASHER, 5/16" (12.9190)	1	1									1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1									1	1
	120376	NUT, 5/16"-18 (12.9120)	1	1									1	1
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
	8920537	CLAMP (1 9/16"-2 1/2" DIA. HOSE) (12.9660)	4	4	4	2	2						4	4
		5.3350 - CONNECTION, OIL COOLER WATER												
	5108605	ELBOW, 6V53								1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								2				
	103341	WASHER, 3/8" (12.9190)								2				
	103321	LOCKWASHER, 3/8" (12.9200)								2				
		5.3360 - GASKET, OIL COOLER WATER INLET CONNECTION												
	5120540	GASKET, 6V53								1				
		5.3420 - ELBOW, OIL COOLER WATER OUTLET												
1A	5125506	* ELBOW, 2-53			1									
1A	5121184	* ELBOW, 3,4-53				1	1				1			
5B	5133535	ELBOW, 6V53										1		
1A	5133672	ELBOW, 3-53												
1A	5126637	ELBOW, 3,4-53	1	1				1	1				1	1
	5198558	BUSHING 3/8"X1/4" (2.2030)				1	1							
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1				1	1				1	1
	5145014	PLUG, 3/8" PIPE (12.9550)				2	2				1			
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2	2	2	2	2		2	2	2	2
	120393	WASHER, 5/16" (12.9190)									2	2		
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2		2	2	2	2
		* NOT SERVICED; USE 5138275 PLUS (2) 5145014 PLUGS.												
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW												
	5116357	GASKET, 2,3,4,6V53 (1.1070)	1	1	1	1	1	1	1		1	1	1	1

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 204	205	207	208	209	210	211	218	219	223	225	226
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW												
1B	5199777	+ HOSE, 1 7/8" I.D. X 2.75" L. 6V53									1			
*	5199777	+ HOSE, 1 7/8" I.D. X 4 3/4" L. 2, 3, 4-53	1	1	1	1	1	1	1			1	1	1
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2		2	2	2	2		2	2	2	2
	272865	CLAMP, 2 1/4" DIA. HOSE (12.9660)			2									
		* FIG. 4A OF 4.0000.												
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5130451	ELBOW, 2,3,4,6,8V53 (RIGHT BANK OR A & B ENGINE)	1		1	1	1	1				1		
	5130450	ELBOW, 3,4,6,8V53 (LEFT BANK OR B & C ENGINE)		1					1					1
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1			1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	1	1	1	1	1			1	1	1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2	2	2			2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2	2	2	2			2	2	2
		5.3431 - GASKET, EXHAUST MANIFOLD FRESH WATER INLET CONNECTION												
	5116242	GASKET, 2,3,4,6,8V53 (1.2044)	1	1	1	1	1	1	1			1	1	
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
5A,B	5199776	% HOSE (1 3/4" I.D. X 2" L.) 2, 3, 4, 6, 8V53 (5.3295)	1	1	1	1	1	1	1			1	1	
		% STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
7A	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2	2	2	2	2	2			2	2	
		5.3460 - FLANGE, EXHAUST MANIFOLD WATER OUTLET												
6A	5121175	FLANGE, 2,3,4-53 (6.2085)			1	1	1							
	5145009	PLUG, 1/8" PIPE (12.9550)			1	1	1							
	114981	DRAINCOCK, 1/8" (12.9510)			1	1								

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 204	205	207	208	209	210	211	218	219	223	225	226
		5.3460 - FLANGE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)												
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)			1	1								
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)			5	5	5							
	103321	LOCKWASHER, 3/8" (12.9200)			5	5	5							
		5.3461 - GASKET, EXHAUST MANIFOLD WATER OUTLET FLANGE												
6A	5119208	GASKET, 2,3,4-53 (6.1150)			1	1	1							
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE												
	5129867	# HOSE (1/4" I.D. X 8" L.)3, 4-53 (7.4075)	1	1				1	1				1	1
	5126315	TUBE ASSY., 2,3,4-53 (DEV. L. 7.20")					1							
	5113629	FITTING, 1/4" HOSE X 1/8" PIPE (3.1002)	1	1				1	1				1	1
	5111277	FITTING, 1/4" HOSE X 1/4" TUBE SWIVEL (8.1017)	1	1				1	1				1	1
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)					2							
	116453	ELBOW, 1/4" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)	1	1				1	1				1	1
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)					1							
	144045	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	1	1				1	1				1	1
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3486 - PLUG, HEAT EXCHANGER TANK												
	113175	PLUG, 1/8" PIPE, BRASS (12.9550)				1								

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 228	229	234	241	242	244	245	247	251	252	253	257
		5.3275 - CONNECTION, THERMOSTAT HOUSING WATER OUTLET												
	5188382	FLANGE, 3-53 (5.3350)		1										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		2										
		5.3281 - GASKET, THERMOSTAT HOUSING WATER OUTLET CONNECTION												
	2206783	GASKET, 3-53 (3.3360)		1										
		5.3290 - HOSE, RADIATOR INLET												
	5129251	HOSE, 3-53 (FORMED)				1								
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET												
6A,B	5199776	# HOSE, 1 3/4" I.D. X 2" L. 2, 6V53						4						
6B	5199778	# HOSE, 1 3/4" I.D. X 2.76" L. 8V53	4						4					
6B	5136327	TUBE, 6,8V53 (1 3/4"I.D.X7.66"L.)	1					1	1					
6B	5137327	TUBE, 6,8V53 (1 3/4"I.D.X8.40"L.)	1					1	1					
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3300 - CLAMP, RADIATOR INLET HOSE												
	2337379	CLAMP, HOSE				1								
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)				1								
		5.3305 - CLAMP, HEAT EXCHANGER FRESH WATER INLET HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	8					8	8					
		5.3310 - CONNECTION, RADIATOR OUTLET												
	5125061	TUBE, 3-53				1								

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 228	229	234	241	242	244	245	247	251	252	253	257
		5.3312 - CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET												
6B	5135127	ELBOW, 8V53	1									1		
6B	5135396	ELBOW, 6V53						1	1	1	1			
	186277	BOLT, 3/8"-16X2 3/8" (12.9001)						2	2	2	2			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	2									2		
	103321	LOCKWASHER, 3/8" (12.9200)	2					2	2	2	2	2		
		5.3314 - CONNECTION, HEAT EXCHANGER FRESH WATER INLET												
	5135138	CONNECTOR	2					2	2					1
	5138114	ELBOW												2
	186629	BOLT, 5/16"-18X1" (12.9001)	4					4	4					2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												
	103320	LOCKWASHER, 5/16" (12.9200)	4					4	4					
	103321	LOCKWASHER, 3/8" (12.9200)												
		5.3323 - GASKET, HEAT EXCHANGER FRESH WATER INLET CONNECTION												
	5123660	GASKET, 6,8V53 (4.1300)	2					2	2					1
	5132474	GASKET, 8V53 (1.1070)												
		5.3325 - GASKET, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION												
6A,B	5134679	GASKET, 4,6V,8V53	1					1	1	1	1	1		
		5.3330 - HOSE, RADIATOR OUTLET												
	5199776	# HOSE, 1 3/4" I.D. X 2.76" L (5.3295)	2											
	5199778	# HOSE, 2" I.D. X 2" L (3.1270)				1								
	5110373	# HOSE, 2" I.D. X 3" L (5.3330)				1								
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP												
6A,B	5199778	# HOSE, 2" I.D. X 2" L (3.1270)						1		1				
6B	5199779	# HOSE, 2 1/4" I.D. X 2.24" L (5.3290)							1		1			
6B	5199780	# HOSE, 2 3/8" I.D. X 2.12" L (5.3365)	1									1		
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 228	229	234	241	242	244	245	247	251	252	253	257
		5.3340 - CLAMP, RADIATOR OUTLET HOSE												
@	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660) ... @ FIG. 4A OF 4.0000.	4			4								
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)						2		2				
	9139809	CLAMP, 2 1/2" DIA. HOSE (12.9660)							2		2	2		
		5.3420 - ELBOW, OIL COOLER WATER OUTLET												
5B	5135259	* ELBOW, 6V53 (WITH 3/8" P.T. HOLE)		1										
1A	5119026	& ELBOW, 3-53			1									
1A	5138275	ELBOW, 3-53				1								
5B	5135565	# ELBOW, 6V53					1		1		1			
5B	5119385	@ ELBOW, 6V53						1		1			1	
5B	5128153	ELBOW, 6V53												
	5145014	PLUG, 3/8" PIPE SQ. HD. (12.9550)		2		3	1							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		2	2	2	2	2	2	2	2		2	
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2	2	2	2	2	2		2	
		* NOT SERVICED, USE 5135679 PLUS (1) 115226 BUSHING AND (1) 5145014 PLUG.												
		& NOT SERVICED; USE 5138275 PLUS (2) 5145014 PLUGS.												
		# NOT SERVICED; USE 5135679 PLUS (1) 5103185 PLUG.												
		@ NOT SERVICED; USE 5135679 PLUS (1) 5163824 HOSE AND (1) 5103185 PLUG.												
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW												
	5116357	GASKET, 2,3,4,6V53 (1.1070)		1	1	1	1	1	1	1	1		1	
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW												
5B	5199777	% HOSE, 1 7/8" I.D. X 2" L., 6V53						1		1			1	1
	5199777	% HOSE, 1 7/8" I.D. X 4 3/4" L-2, 3, 4-53			1	1								

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 228	229	234	241	242	244	245	247	251	252	253	257
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW (CONT'D)												
5B	**5199778**	% HOSE, 2" I.D. X 2" L., 6V53 (3.1270)		1			1		1		1			
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)			2	2	2	2	2	2	2		2	2
	111625	CLAMP, 2 3/8" DIA. HOSE (12.9660)		2										
		% STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		* FIG. 4A OF 4.0000.												
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5130451	ELBOW, 2,3,4,6,8V53 (RIGHT BANK OR A & B ENGINE)	1					1	1	1	1	1		
	5130450	ELBOW, 3,4,6V,8V53 (LEFT BANK OR B & C ENGINE)	1					1	1	1	1	1		
	5121182	PLUG, 1/4" PIPE (2.4015)						2		2				
	5145014	PLUG, 3/8" PIPE (12.9550)	2					2	2	2	2	2		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	4					4	4	4	4	4		
	103321	LOCKWASHER, 3/8" (12.9200)	4					4	4	4	4	4		
		5.3431 - GASKET, EXHAUST MANIFOLD FRESH WATER INLET CONNECTION												
	5116242	GASKET, 2,3,4,6,8V53 (1.2044)	2					2	2	2	2	2		
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
5A,B	**5199776**	% HOSE, 1 3/4" I.D. X 2" L. (5.3295)						2	2	2	2	2		
		% STD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
7A	**8920537**	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)						4	4	4	4	4		
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE												
5B	**5136635**	* TUBE ASSY., 6,8V53 (DEV. L 15.26")	1					1	1	1	1	1		
5B	**5134169**	@ TUBE ASSY., 6,8V53 (DEV. L 15.40")	1					1	1	1	1	1		
		* NOT SERVICED; USE 5131604 HOSE PLUG (2) 118753 ELBOWS.												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 228	229	234	241	242	244	245	247	251	252	253	257
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE (CONT'D)												
		@ NOT SERVICED, USE 5131604 HOSE PLUS (2) 118748 CONNECTORS.												
		5.3480 - TUBE, CYLINDER HEAD VENT												
	5136658	* TUBE ASSY., 6,8V53 (DEV. L. 6.22") (5.3465)	1					1	1	1	1			
	5136659	* TUBE ASSY., 6,8V53 (DEV. L. 7.34") (5.3465)	1					1	1	1	1			
	178685	TEE, 1/4" INV. FL. TUBE (12.9490)	2					2	2	2	2			
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	2					2	2	2	2			
		* NOT SERVICED; USE 5137938 PLUS (1) 9409946 TEE AND (1) 118748 CONNECTOR.												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	261	263	265	266	270	275	278	279	288	308	314
		5.3270 - CONNECTION, RADIATOR INLET												
	5139873	TUBE, 6V53									1			
	5139909	TUBE, 6V53									1			
		5.3290 - HOSE, RADIATOR INLET												
	5199776	# HOSE, 1 3/4" I.D. X 4 7/8", 2-53 (5.3295)						1						
	5199776	# HOSE, 1 3/4" I.D. X 3.21", 6V53 (5.3295)									4			
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET												
6B	5136327	TUBE, 6.8V53 (1 3/4"O.D.X7.66"L)			1	1			1				1	
6B	5137327	TUBE, 6.8V53 (1 3/4"O.D.X8.40"L)			1	1			1				1	
6B	5199776	# HOSE, 1 3/4" I.D. X 2 3/4" L 6, 8V53			4	4			4				4	
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3300 - CLAMP, RADIATOR INLET HOSE												
6B	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)			8	8			8		8		8	
	111622	CLAMP, 2 1/8" HOSE						2						
		5.3310 - CONNECTION, RADIATOR OUTLET												
	5125238	+ ELBOW, 2-53						1						
	103647	DRAINCOCK, 1/4" (12.9510)						1						
		+ OBSOLETE.												
		5.3312 - CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET												
	5138742	CONNECTOR, 4-53	1	1										
6B	5135396	ELBOW, 6V53			1	1								
6B	5136727	ELBOW, 6V53							1					1
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)											2	2
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2										
	186277	BOLT, 3/8"-16X2 3/8" (12.9001)							2					
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			2	2								

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5.3000B WATER CONNECTIONS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	261	263	265	266	270	275	278	279	288	308	314
		5.3312 - CONNECTION, HEAT EXCHANGER FRESH WATER OUTLET (CONT'D)												
	103320	LOCKWASHER, 5/16" (12.9200)											AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2	2			2					
		5.3314 - CONNECTION, HEAT EXCHANGER FRESH WATER INLET												
	5135138	CONNECTOR, 6V53			2	2								
	5136864	CONNECTOR, 6V53							2				2	
5A	5138741	+ ELBOW, 4-53	1											
	5138567	+ ELBOW, 4-53		1										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4	4			4					
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4			4					
		+ OBSOLETE.												
		5.3323 - GASKET, HEAT EXCHANGER FRESH WATER INLET CONNECTION												
	5123660	GASKET, 4,6V53 (4.1300)	2	2		2			2					
	5146137	GASKET, 4,6,8V53 (4.1300)			1								2	2
		5.3325 - GASKET, HEAT EXCHANGER FRESH WATER OUTLET CONNECTION												
6B	5134679	GASKET, 4,6,8V53	1	1	1	1			1				1	1
		5.3330 - HOSE, RADIATOR OUTLET												
	5199776	% HOSE, 1 3/4" I.D. X 2" L., 4, 8V53 (5.3295)	1	1										
	5110373	% HOSE, 2" I.D. X 3" L., 6V53 (5.3330)									2			
	5139881	@ TUBE, 6V53									1			
		% STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		@ OBSOLETE.												
		5.3333 - COVER, HEAT EXCHANGER TANK OUTLET												
	5123661	COVER, 6,8V53												2
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)												4
	103320	LOCKWASHER, 5/16" (12.9200)												AR
		5.3334 - HOSE, HEAT EXCHANGER TO FRESH WATER PUMP												
	5141193	% HOSE, 2" I.D. X 2 1/2" L., 4-53 (5.2165)	2	2										
6A	5199779	% HOSE, 2 1/4" I.D. X 2.24" L., 6V53 (5.3290)			1				1				1	1
6A,B	5199778	% HOSE, 2 1/2" I.D. X 2" L., 3, 6V53 (3.1270)				1		2			1			

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	261	263	265	266	270	275	278	279	288	308	314
		5.3334 - HOSE, HEAT EXCHANGER OUTLET CONNECTION TO WATER PUMP (CONT'D)												
	5138775	TUBE, 4-53 (DEV. L. 44.50")		1										
	5138800	TUBE, 4-53 (DEV. L. 44.50")	1											
	5185410	+ BRACKET, 4-53 (7.7380)	1	1										
	5110881	CLIP (5.2190)	1	1										
	103647	DRAINCOCK, 1/4" (12.9510)	1	1										
	179816	BOLT, 5/16"-18X3/4" (12.9001)	1	1										
	120393	WASHER, 5/16" (12.9190)	1	1										
	103320	LOCKWASHER, 5/16" (12.9200)	1	1										
	120376	NUT, 5/16"-18 (12.9120)	1	1										
		% STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												
		5.3335 - ELBOW, WATER PUMP INLET												
	5142283	ELBOW, 8V53										1		
	5142281	ELBOW, 8V53										1		
	5199782	* HOSE, 2 3/4"X2.26", 8V53 (5.3330)										1		
	5188036	CLAMP, 2 9/16"-3 1/2" HOSE (12.9660)										2		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										4		
	120393	WASHER, 5/16" (12.9190)										6		
	103341	WASHER, 3/8" (12.9190)										4		
	103320	LOCKWASHER, 5/16" (12.9200)										6		
	103321	LOCKWASHER, 3/8" (12.9200)										4		
	114493	NUT, 5/16"-24 (12.9120)										6		
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3337 - GASKET, WATER PUMP INLET AND OUTLET ELBOW												
	5176286	GASKET, 8V53										1		
	5176676	GASKET, 8V53 (BETWEEN INLET ELBOWS)										1		
		5.3340 - CLAMP, RADIATOR OUTLET HOSE												
*	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	4	4										
		* FIG. 4A OF 4.0000.												
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE												
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2		2					6			
	111625	CLAMP, 2 3/8" DIA. HOSE (12.9660)						4						
	9139809	CLAMP, 2 1/2" DIA. HOSE (12.9660)			2				2				2	2

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5.30008 WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	261	263	265	266	270	275	278	279	288	308	314
		5.3365 - HOSE, OIL COOLER WATER INLET CONNECTION												
	5131375	HOSE, #6X28" L. 8V53 (2.5210)										1		
	5139289	* HOSE, #6X30" L. 8V53 (2.5001)										1		
	5171509	CLIP, 5/8" HOSE (9.1591)										1		
	9409943	TEE, 1/8" PIPE										1		
	444134	TEE, 1/4" PIPE (12.9490)										1		
	442322	CONNECTOR, 5/16" TUBE (12.9460)										1		
	9432266	CONNECTOR, 3/8" TUBE (12.9460)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)										1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)										2		
	189060	BUSHING, 1/4"X1/8" RED. (12.9570)										1		
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)										1		
	225815	ELBOW, 90 DEG. (12.9480)										1		
	114981	DRAINCOCK, 1/8" (12.9510)										1		
	103647	DRAINCOCK, 1/4" PIPE (12.9510)										1		
		* NOT SERVICED; USE 5199575 HOSE PLUS (2) EACH OF 5199583 FITTINGS AND 2488022 CLIPS.												
		5.3420 - ELBOW, OIL COOLER WATER OUTLET												
1A	5126637	+ ELBOW, 4-53	1	1										
5B	5135679	ELBOW, 6V53			1	1								
5B	5135565	# ELBOW, 6V53					1				1		1	1
1A	5138275	ELBOW, 2,3,4-53						1		1				
5B	5143194	ELBOW, 8V53										1		
	5176933	STUD, 5/16"-18-24X1.44" (12.9117)										2		
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1										
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2	2	2	2		2	2		2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2		2	2	2	2	2
	114493	NUT, 5/16"-24 (12.9120)										2		
		+ OBSOLETE. # NOT SERVICED; USE 5135679 PLUS (1) 103185 PLUG.												
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW												
	5116357	GASKET, 2,3,4,6V53 (1.1070)	1	1	1	1	1	1		1	1		1	1
	5132474	GASKET, 8V53										1		
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW												
5B	5199777	# HOSE, 1 7/8" I.D. X 2" L. 6V53				1								
	5199777	# HOSE, 1 7/8" I.D. X 4 3/4" L. 2, 3, 4-53	1	1				1		1				

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	261	263	265	266	270	275	278	279	288	308	314
		5.3422 - HOSE, OIL COOLER WATER OUTLET ELBOW (CONT'D)												
5B	5199778	# HOSE (2" I.D. X 2" L.) 6V53 (3.1270)			1	1	1						1	1
	5199781	# HOSE, 2 1/2" I.D. X 2 1/4" L. 8V53 (5.2165)										2		
	5142413	TUBE, 8V53 2 1/2"O.D.X7.88"L										1		
	111625	CLAMP, 2 3/8" DIA. HOSE (12.9660)						2						
5B	8920537	CLAMP, 1 9/16"-2 1/2" HOSE (12.9660)	2	2	2	2	2			2			2	2
5B	5188036	CLAMP, 2 9/16"-3 1/2" DIA. HOSE (12.9660)										4		
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET												
	5130450	ELBOW, 4,6,8V53 (LEFT BANK)		1	1	1	1		1				1	1
5B	5130451	ELBOW, 4,6,8V53 (RIGHT BANK)	1		1	1	1		1				1	1
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2		2			2				2	2
	5145014	PLUG, 3/8" PIPE (12.9550)	1	1	2	2	2		2	2				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2										
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			4	4	4		4				4	4
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR				AR	AR
		5.3431 - GASKET, EXHAUST MANIFOLD FRESH WATER INLET CONNECTION												
	5116242	GASKET, 4,6,8V53 (1.2044)	1	1	2	2	2		2				2	2
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET												
5A,B	5199776	# HOSE (1 3/4" I.D. X 2" L.) 4, 6, 8V53 (5.3295)	1	1		2	2		2				2	2
	5199776	# HOSE (1 3/4" I.D. X 2 3/4" L.) 6, 8V53 (5.3295)			4									
		# STANDARD LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE												
7A	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2	4	4	4		4				4	4

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 260	261	263	265	266	270	275	278	279	288	308	314
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE												
5B	**5136635**	@ TUBE ASSY., 6V53 (DEV. L 15.26")			1	1	1		1					
5B	**5134169**	# TUBE ASSY., 6V53 (DEV. L 15.40")			1	1	1		1					
	5129867	% HOSE (1/4" I.D. X 8" L) 4-53 (7.4075)	1	1										
5B	**5131604**	HOSE ASSY., 6.8V53 (DEV. L 15.65")											2	2
	5113629	FITTING (1/4" HOSE X 1/8" PIPE) (3.1002)	1	1										
	5111277	FITTING (1/4" HOSE X 1/4" TUBE SWIVEL) (8.1017)	1	1										
	116453	ELBOW, 1/4" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)	1	1										
	118753	ELBOW, 1/4" FL. TUBE X 1/8" P.T. 90 DEG. (12.9390)											2	2
	144045	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)	1	1										
		@ NOT SERVICED; USE 5131604 HOSE ASSY. AND (2) 118753 ELBOWS.												
		# NOT SERVICED, USE 5131604 HOSE ASSY. AND (2) 118748 CONNECTOR. STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.3480 - TUBE, CYLINDER HEAD VENT												
	5136658	& TUBE ASSY., 6V53 (DEV. L 6.22") (5.3465)			1	1	1		1					
	5136659	& TUBE ASSY., 6V53 (DEV. L 7.34") (5.3465)			1	1	1		1					
	5137938	HOSE ASSY. (DEV. L 8") 6.8V53											2	2
	9409946	TEE, 1/8" INV. FL. TUBE											2	2
	178685	TEE, 1/4" INV. FL. TUBE (12.9490)			2	2	2		2					
	118748	CONNECTOR, 1/8" INV. FL. TUBE (12.9460)											2	2
	442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)			2	2	2		2					
		& NOT SERVICED, USE 5137938 PLUS (1) 9409946 TEE AND (1) 118748 CONNECTOR.												

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	316	317	318	319	351	352	356	358	359	362	364	365	367
		5.3275 - CONNECTION, THERMOSTAT HOUSING WATER OUTLET														
	5107653	ELBOW (LEFT BANK) (4.2220)										1				
	5107652	ELBOW (RIGHT BANK) (4.2220)										1			1	
	5128492	ELBOW (LEFT BANK) (5.2035)													1	
	5128493	ELBOW (RIGHT BANK) (5.2035)										4			4	
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)										4			4	
	103321	LOCKWASHER, 3/8" (12.9200)														
		5.3281 - GASKET, THERMOSTAT HOUSING WATER OUTLET CONNECTION														
	5122437	GASKET										2			2	
		5.3290 - HOSE, RADIATOR INLET														
	5129251	HOSE, 1 5/8" I.D.								1	1					
	5199779	# HOSE, 2 1/4" X 2 1/4" L.										1			1	
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.														
		5.3295 - HOSE, HEAT EXCHANGER FRESH WATER INLET														
6B	5136327	TUBE, 6,8V53 (1 3/4"O.D.X7.66"L.)	1	1												
6B	5137327	TUBE, 6,8V53 (1 3/4"O.D.X8.40"L.)	1	1												
6B	5199776	# HOSE, 1 3/4" I.D. X 2 3/4" L. 6, 8V53	4	4												
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.														
		5.3300 - CLAMP, RADIATOR INLET HOSE														
6B	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	8	8						2	2					
	2337379	CLAMP, 1 1/2" HOSE (12.9660)										2			2	
	9139809	CLAMP, 2 1/2" HOSE (12.9660)														
		5.3310 - CONNECTION, RADIATOR OUTLET														
	5125061	TUBE, 4-53									1					
	5129251	HOSE, 1 5/8" I.D. (5.3290)								1						
		5.3312 - CONNECTION, HEAT EXCHANGER WATER OUTLET														
6B	5136727	ELBOW, 6V53	1													
	5135127	ELBOW, 8V53		1			1									
	5145288	ELBOW, 4-53			1	1						1			1	
	5135396	ELBOW, 6V53														
	5138775	TUBE, 4-53			2	1 2										
	180082	BOLT, 5/16"-18X1 3/8" (12.9001)	2													
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)		2			2					2			2	
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)														
	186277	BOLT, 3/8"-16 X 2 3/8" (12.9001)										AR			AR	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR									
	103321	LOCKWASHER, 3/8" (12.9200)														

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	316	317	318	319	351	352	356	358	359	362	364	365	367
		5.3314 - CONNECTION, HEAT EXCHANGER INLET														
	5136864	CONNECTOR, 6,8V53	2	2												
	5135138	CONNECTOR, 6V53										2				
	5144031	ELBOW, 4-53			1											
	5145291	ELBOW, 4-53				1										
	5123361	COVER, 6V53													2	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	4	4												
	180082	BOLT, 5/16"-18X1 3/8" (12.9001)			2	2										
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)										4			4	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR										
	103321	LOCKWASHER, 3/8" (12.9200)										4			4	
		5.3315 - BRACKET, EXPANSION TANK INLET CONNECTION														
	5185410	+ BRACKET, 4-53			1	1										
	179816	BOLT, 5/16"-18X3/4" (12.9001)			1	1										
	120393	WASHER, 5/16" (12.9190)			1	1										
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR										
	120376	NUT, 5/16"-18 (12.9130)			1	1										
		+ OBSOLETE.														
		5.3323 - GASKET, HEAT EXCHANGER TANK INLET CONNECTION														
	5146137	GASKET, 4,6,8V53 (4.1300)	2	2	1	1	2					2			2	
		5.3325 - GASKET, HEAT EXCHANGER TANK OUTLET CONNECTION														
	5134679	GASKET, 4,6,8V53 (4.1300)	1	1	1	1	1					1			1	
	5116242	GASKET, 6V53 (1.2044)													2	
		5.3330 - HOSE, RADIATOR OUTLET														
	5199776	% HOSE, 1 3/4" I.D. X 2" L., 4, 8V53 (5.3295)			1	1										
	5199778	% HOSE, 2" I.D.X2" L., 4-53 (3.1270)									1					
	5110373	% HOSE, 2" I.D. X 3" L.								1	1					
	5199780	% HOSE, 2 3/8" I.D. X 2.12" L., 8V53 (5.3365)		1			1									
	8920537	CLAMP, 1 9/16" X 2 1/2" DIA. HOSE (12.9660)								2						
		% STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		5.3333 - COVER, HEAT EXCHANGER TANK OUTLET														
	5123661	COVER, 6,8V53					2									
	5136610	COVER, 6V53													2	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					4									
	179839	BOLT, 3/8" 16 X 1" (12.9001)													4	
	103320	LOCKWASHER, 5/16" (12.9200)					AR									
	103321	LOCKWASHER, 3/8" (12.9200)													4	

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	316	317	318	319	351	352	356	358	359	362	364	365	367
		5.3334 - HOSE, HEAT EXCHANGER OUTLET CONNECTION TO WATER PUMP														
	5141193	HOSE (2"I.D.X2 1/2"L.) 4-53 (5.2165)			2	2										
6A	5199779	+ HOSE, 2 1/4" I.D. X 2.24" L.-6V53 (5.3290)	1													
	5138800	TUBE, 4-53 (DEV. L. 44.50")			1											
	5110881	CLIP (5.2190)			1	1										
	103647	DRAINCOCK, 1/4" (12.9510)			1	1										
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		5.3338 - HOSE, WATER PUMP INLET AND BYPASS TUBE														
	5199778	+ HOSE, 2" X 2" L. (3.1270)								1						
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)								2						
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		5.3340 - CLAMP, RADIATOR OUTLET HOSE														
*	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)			4	4					4					
		* FIG. 4A OF 4.0000.														
		5.3341 - CLAMP, HEAT EXCHANGER TO WATER PUMP HOSE														
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)				2										
	9139809	CLAMP, 2 1/2" DIA. HOSE (12.9660)	2	2			2									
		5.3360 - GASKET, OIL COOLER WATER INLET CONNECTION														
	5120540	GASKET (4.5007)											1			
		5.3418 - ELBOW, OIL COOLER WATER-INLET														
	5104815	ELBOW											1			
	5142160	ELBOW											1			
	5105256	ELBOW												1		
	5145014	PLUG, 3/8"-18 PIPE (12.9550)											1			
	179819	BOLT, 5/16"-18 X 1 1/8" (12.9001)											2			
	179816	BOLT, 5/16-18 X 3/4" (12.9001)												2		
	179850	BOLT, 3/8-16 X 2 3/4" (12.9001)											2			
	103341	WASHER, 3/8" (12.9190)											2			
	103320	LOCKWASHER, 5/16" (12.9200)											2	2		
	103321	LOCKWASHER, 3/8" (12.9200)											2			

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	316	317	318	319	351	352	356	358	359	362	364	365	367
		5.3420 - ELBOW, OIL COOLER WATER-OUTLET														
1A	5126637	+ ELBOW, 4-53			1	1										
	5128153	ELBOW, 6V53							1							
	5104102	ELBOW, 4-53														
5B	5135565	# ELBOW, 6V53	1													
	5138275	ELBOW, 3-53								1	1					
	5107017	ELBOW, 6V53										1			1	
	5133535	ELBOW, 6V53														1
	5145014	PLUG, 3/8" PIPE (12.9550)			1	1				2	2					
	5115214	PLUG, 1/2" PIPE (12.9550)						1								
	5103185	PLUG, 1" PIPE (12.9550)	1													
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2		2	2		2	2	2	2	2			2	1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)														1
	120393	WASHER, 5/16" (12.9190)														2
	103320	LOCKWASHER, 5/16" (12.9200)	2		2	2		2	2	2	2	2			2	2
		+ OBSOLETE.														
		# NOT SERVICED, USE 5135679 AND (1) 5103185 PLUG.														
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW														
	5116357	GASKET, 2,3,4,6V53 (1.1070)	1		1	1		1	1	1	1	1			1	1
		5.3422 - HOSE, OIL COOLER WATER OUTLET														
	5199777	# HOSE, 1 7/8" X 4 3/4" L. 2, 3, 4-53			1	1										
5B	5199778	# HOSE, 2" X 2" L. 6V53 (3.1270)	1													
	5199777	# HOSE, 1 7/8" X 2 3/4" L.							1							
	5199777	# HOSE, 1 7/8" X 2" L.						1				2				
	5141193	# HOSE, 2" X 2 1/2" (5.2165)										1			1	
	8921826	HOSE, 1 7/8"X2.76" (5.3244)														1
	9139809	CLAMP, 2 1/2" HOSE (12.9660)										2			2	
5B	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2		2	2		2	2			4				2
	5145014	PLUG, 3/8"-18 (12.9550)														1
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		5.3430 - CONNECTOR, EXHAUST MANIFOLD FRESH WATER INLET														
	5130450	ELBOW, 4,6,8V53 (LEFT BANK)	1	1		1	1									
5B	5130451	ELBOW, 4,6,8V53 (RIGHT BANK)	1	1	1		1									
	5122663	ELBOW, 4, 6, 8V53 (LEFT BANK AND RIGHT BANK)										2			2	
	5175683	ELBOW, WATER HOLE COVER (5.1235)										1			1	
	5124946	COVER, WATER HOLE (5.2160)										1			1	
	5121182	PLUG, 1/4" PIPE (2.4015)	2	2	2	2	2					2			1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			2	2										
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	4	4			4									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR									
		5.3431 - GASKET, EXHAUST MANIFOLD FRESH WATER INLET														
	5116242	GASKET, 4,6,8V53 (1.2044)	2	2	1	1	2									
	5116357	GASKET, 6V53 (1.1070)											1	1		

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	316	317	318	319	351	352	356	358	359	362	364	365	367
		5.3432 - HOSE, EXHAUST MANIFOLD FRESH WATER INLET														
5A,B	**5199776**	# HOSE (1 3/4" I.D. X 2" L.) 4, 6, 8V53 (5.3295)	2		1	1	2									
	5199777	# HOSE (1 7/8" I.D. X 2" L.) 6V53 (5.3422)											1			
	5199778	# HOSE (2" I.D. X 2" L.) 2, 3, 4-53 (3.1270)												1		
	5199776	# HOSE (1 3/4" I.D. X 2 3/4" L.) 6, 8V53 (5.3295)		2											2	
	5118149	# HOSE (1" X 2" L.) 6V53 (4.1642)										2				
	5118149	# HOSE (1"X25" L.) 6V53 (4.1642)										1			1	
	5118149	# HOSE (1" X 3 1/2" L.) 6V53 (4.1642)														
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		5.3434 - CLAMP, EXHAUST MANIFOLD FRESH WATER INLET HOSE														
7A	**8920537**	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	4	4	2	2	4						2	2		
7A	**5186840**	CLAMP, 1" HOSE (12.9660)										6			6	
		5.3445 - CLAMP, EXHAUST MANIFOLD FRESH WATER OUTLET HOSE														
	5186840	CLAMP, 1" HOSE (12.9660)										8			8	
		5.3446 - HOSE, FRESH WATER OUTLET														
	5118149	# HOSE, 1" X 21/2" L. (4.1642)										4			2	
	5118149	# HOSE, 1" X 2" L. (4.1642)													2	
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		5.3447 - TUBE, EXHAUST MANIFOLD FRESH WATER OUTLET														
	5107650	TUBE, LEFT BANK										1			1	
	5107651	TUBE, RIGHT BANK										1			1	
	5106999	TUBE, RIGHT BANK										1			1	
	5177218	CONNECTOR (5.1235)										1			1	
	5107996	CONNECTOR, RED. 1/2" TO 1" (5.1235)										2			2	
	5127041	CONNECTOR (5.1235)										2			2	
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE														
	5129867	% HOSE, 1/4" I.D. X 8" L. (7.4075)			1	1										
5B	**5131604**	HOSE ASSY., DEV. L. 15.65" 6, 8V53	2	2			2									
	5113629	FITTING, 1/4" HOSE X 1/8" PIPE (3.1002)			1	1										
	5111277	FITTING, 1/4" HOSE X 1/4" TUBE SWIVEL (8.1017)			1	1										

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 315	316	317	318	319	351	352	356	358	359	362	364	365	367
		5.3465 - VENT, EXHAUST MANIFOLD WATER OUTLET FLANGE (CONT'D)														
	8924146	ELBOW, 1/4" FL. TUBE X 1/4" P.T. 90 DEG. (12.9390)			1	1										
	8924149	ELBOW, 1/4" FL. TUBE X 1/8" P.T. 90 DEG. (12.9390)	2	2			2									
	144045	BUSHING, 1/2"X1/4" RED. PIPE (12.9570)			1	1										
		% STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		5.3480 - TUBE, CYLINDER HEAD VENT														
	5137938	HOSE ASSY., DEV. L. 8" 6, 8V53	2	2			2									
	9409946	TEE, 1/8" INV. FL. TUBE	2	2			2									
	118748	CONNECTOR, 1/8" INV. FL. TUBE (12.9460)	2	2			2									

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5.3000B WATER CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 368	TYPES 392
		5.3350 - CONNECTION, OIL COOLER WATER INLET		
	5104102	ELBOW, 4-53T	1	
	5142160	ELBOW, 6V53		1
	5115214	PLUG, 1/2" PIPE (12.9550)	1	
	5145014	PLUG, 3/8" PIPE (12.9550)		1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2
		5.3421 - GASKET, OIL COOLER WATER OUTLET ELBOW		
6A,B	**5116357**	GASKET, 4,6V53 (1.1070)	1	1
		5.3422 - HOSE, OIL COOLER WATER OUTLET		
5B	**5199777**	@ HOSE, 4-53 (1 7/8" I.D.X4 1/4")	1	
5B	**5199777**	@ HOSE, 6V53 (1 7/8" I.D.X2")		1
6B	**8920537**	CLAMP (1 9/16"X2 1/2" DIA. HOSE) (12.9660)	2	2
		@ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.		

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5.4000A FAN

RPG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	275	276	277	278	279	280	281	282	288	290	291
		5.4010 - BLADE, FAN												
	NPN	BLADE, CUSTOMER FURNISHED										1		
4A	5146844	BLADE, 17"-6 BLADE, SUCTION		1										
4A	5146845	BLADE, 17"-6 BLADE, BLOWER						1						
1B	5188243	BLADE, 18"-5 BLADE, SUCTION	1											
1B	5145773	BLADE, 18"-6 BLADE, SUCTION								1				
4A	5147710	BLADE, 18"-6 BLADE, BLOWER									1			
1B	5162837	BLADE, 22"-5 BLADE, R.H. SUCTION, L.H. BLOWER			1								1	
1B	5119011	BLADE, 22"-5 BLADE, SUCTION				1								
1B	5119014	BLADE, 22"-5 BLADE, BLOWER					1							
1B	5106199	BLADE, 22"-5 BLADE, BLOWER							1					1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	4	4		4	4	4	4					
	186629	BOLT, 5/16"-18X1" (12.9001)			4					4	4			
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)												4
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)											4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4	4		4	4
		5.4015 - PULLEY & HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. NOTE: WHEN CONVERTING TO NEW TYPES REQUIRED TO REPLACE 5126241 & 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.												
	5122870	PULLEY ASSY. (PAGE A1)	1											
	5122868	PULLEY ASSY. (PAGE A1)		1		1	1	1		1	1			
	5122869	PULLEY ASSY. (PAGE A1)			1				1				1	1
	5123279	+ PULLEY ASSY. (PAGE B1)										1		
		+ OBSOLETE.												
		5.4025 - SUPPORT, FAN MOUNTING												
4A	5126868	SUPPORT	1	1	1	1	1	1	1	1	1		1	1
	5164294	SPACER, 7/8" X 13/32 X 1/8" (7.1581)			3		3							
	179839	BOLT, 3/8"-16X1" (12.9001)												4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2	2	2	2	2	2	2	2		2	
	186282	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	2	2	2	2	2	2	2	2	2		2	
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
		5.4090 - BRACKET, FAN SHAFT												
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										2		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3	3	3	3	3	3	3	3		3	3
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)										1		
	103341	WASHER, 3/8" (12.9190)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	275	276	277	278	279	280	281	282	288	290	291
		5.4180 - CAP AND SPACER, FAN HUB												
	5125022	CAP & SPACER ASSY. (INCLUDES CAP)											1	1
	5125021	CAP											1	1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 292	293	305	306	308	310	322	328	330	331	332
		5.4010 - BLADE, FAN											
	NPN	BLADE, CUSTOMER FURNISHED				1	1				1	1	
4A	5128457	BLADE, 14"-6 BLADE, BLOWER			1								
4A	5146844	BLADE, 17"-6 BLADE, SUCTION	1										
4A	5146845	BLADE, 17"-6 BLADE, BLOWER		1									
1B	5145773	BLADE, 18"-6 BLADE, SUCTION							1	1			
1B	5162837	BLADE, 22"-5 BLADE, R.H. SUCTION, L.H. BLOWER											1
4A	5124701	BLADE, 24"-6 BLADE, SUCTION						1					
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)			4			4	4				
4A	186629	BOLT, 5/16"-18X1" (12.9001)								4			
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)	4	4									4
4A	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4			4	4	4			4
		5.4015 - PULLEY & HUB ASSY., FAN											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. NOTE: WHEN CONVERTING TO NEW TYPES REQUIRED TO REPLACE 5126241 & 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.											
	5122868	PULLEY ASSY. (PAGE A1)	1	1							1		
	5122869	PULLEY ASSY. (PAGE A1)						1					
	5123335	+ PULLEY ASSY. (PAGE B1)			1	1							
	5125116	+ PULLEY ASSY. (PAGE B1)					1						
	5126242	# PULLEY ASSY. (PAGE A1)							1				
	5126502	PULLEY ASSY. (PAGE A1)								1		1	
	5126241	& PULLEY ASSY. (PAGE A1)											1
		+ OBSOLETE # NOT SERVICED, CONVERT TYPE 322 TO 874. & NOT SERVICED, CONVERT TYPE 332 TO 875.											
		5.4025 - SUPPORT, FAN MOUNTING											
4A	5126868	SUPPORT	1	1				1		1	1	1	
	8921343	SUPPORT							2				2
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)								3			4
	179839	BOLT, 3/8"-16X1" (12.9001)		4									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2					2		2	2	2	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)										2	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2					2		2	2	2	
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)							4				4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)										2	
	103321	LOCKWASHER, 3/8" (12.9200)	4	4				4	4	4	4	4	4

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 292	293	305	306	308	310	322	328	330	331	332
		5.4090 - BRACKET, FAN SHAFT											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2	2	2						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3				3	4	3	3	3	4
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			1	1	1						
	103341	WASHER, 3/8" (12.9190)	AR	AR	AR	AR	AR	AR	AR		AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
		5.4180 - CAP AND SPACER, FAN HUB											
48.C	**5125022**	CAP & SPACER ASSY. (INCLUDES CAP)	1	1									
48	**5125021**	CAP	1	1									1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 338	339	344	346	347	351	352	353	354	355	362	366
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)			1	1				1				
1B	5145773	BLADE, 18"-5 BLADE, SUCTION										1		
4A	5147710	BLADE, 18"-6 BLADE, BLOWER		1										1
4A	5145212	BLADE, 20"-6 BLADE, BLOWER									1			
1B	5162837	BLADE, 22"-5 BLADE, SUCTION						1					1	
1B	5106199	BLADE, 22"-5 BLADE, BLOWER							1					
4A	5126795	BLADE, 24"-6 BLADE, SUCTION	1											
4A	5124701	BLADE, 24"-6 BLADE, SUCTION					1							
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)	4	4		4	4	4				4		
4A	186629	BOLT, 5/16"-18X1" (12.9001)												4
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)							4		4		4	
4A	103320	LOCKWASHER, 5/16" (12.9200)	4	4		4	4	4	4		4	4	4	4
		5.4015 - PULLEY & HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. NOTE: WHEN CONVERTING TO NEW TYPES REQUIRED TO REPLACE 5126241 & 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.												
	5122870	PULLEY ASSY. (PAGE A1)	1											
	5126242	# PULLEY ASSY. (PAGE A1)		1										
1B	5162786	% PULLEY ASSY. (PAGE C1)						1	1				1	
	5122868	PULLEY ASSY. (PAGE A1)								1	1			
	5126241	* PULLEY ASSY. (PAGE A1)										1		
	5122869	PULLEY ASSY. (PAGE A1)												1
		# NOT SERVICED, CONVERT TYPE 339 TO 863. * NOT SERVICED, USE 5103512 HUB ASSY. PLUS 5145773 FAN BLADE AND 2-179824 BOLTS. % OBSOLETE												
		5.4025 - SUPPORT, FAN MOUNTING												
4A	5126868	SUPPORT	1		1					1	1			1
4A	8921343	SUPPORT										2		
4A	5108945	SUPPORT		2										
4B	5127072	# SUPPORT				1	1	1	1				1	
	5156404	SPACER (4.8040)								4	4			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2		2									2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								2	2			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				2	2	2	2				2	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2		2									2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)		4								4		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 338	339	344	346	347	351	352	353	354	355	362	366
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)								2	2			
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				2	2	2	2				2	
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	2	2			4	4	4		4
	103322	LOCKWASHER, 7/16" (12.9200)				2	2	2	2				2	
		# NOT SERVICED; USE 5141945 PLUS (2) 179871 AND (2) 450517 BOLTS.												
		5.4090 - BRACKET, FAN SHAFT												
4B	5127071	* BRACKET				1	1							
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)		4				4	4			4	4	4
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	4						3	3	4		3
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				4	4	4	4				4	
	103341	WASHER, 3/8 (12.9190)	AR	AR	AR	4	4			AR	AR			
	103321	LOCKWASHER, 3/8" (12.9200)	AR			4	4	AR	AR	AR	AR	AR	4	AR
		* OBSOLETE												
		5.4100 - SHAFT, FAN												
4B	5162783	* SHAFT				1	1							
4B	103385	PIN, 1/8"X1" COTTER (12.9250)				1	1							
4B	142534	* PIN, 5/16"X1 3/4" GROOVE (12.9270)				1	1							
4B	5130823	* NUT, 1/2"-20 SLOTTED (12.9130)				1	1							
		* OBSOLETE												
		5.4110 - BEARING, FAN SHAFT												
4B	7451373	* BEARING				2	2							
		* OBSOLETE												
		5.4140 - RETAINER, FAN SHAFT BEARING												
4B	5130822	WASHER, 33/64" I.D. X 1/8" W. (12.9190)				1	1							
		5.4150 - SEAL, FAN SHAFT												
4B	5127119	* SEAL				1	1							
		* OBSOLETE												
		5.4180 - CAP AND SPACER, FAN HUB												
4B,C	5125022	CAP AND SPACER ASSY. (INCLUDES CAP)							1		1		1	
4B	5144798	CAP (PULLEY)				1	1							
4B,C	5125021	CAP (SPACER)							1		1		1	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 338	339	344	346	347	351	352	353	354	355	362	366
		5.4235 - PULLEY, FAN												
48	**5127042**	* PULLEY (5.38" DIA.)				1	1							
		* *OBSOLETE*												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 369	373	378	379	384	401	407	408	428	431
		5.4010 - BLADE, FAN										
	NPN	BLADE (CUSTOMER FURNISHED)		1	1				1			
4A	5128457	BLADE, 14"-6 BLADE, BLOWER				1						1
4A	5147710	BLADE, 18"-6 BLADE, BLOWER										
4A	5145212	BLADE, 20"-6 BLADE, BLOWER	1					1		1		
1B	5106199	BLADE, 22"-5 BLADE, BLOWER					1					
1B	5100158	BLADE, 22"-5 BLADE, SUCTION						4				4
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)	4			4						
4A	186629	BOLT, 5/16"-18X1" (12.9001)						4		4		
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)					4					
4A	179858	BOLT, 7/16"-14X1" (12.9001)	4			4	4	4		4		4
4A	103320	LOCKWASHER, 5/16" (12.9200)					4					
4A	103322	LOCKWASHER, 7/16" (12.9200)										
		5.4015 - PULLEY & HUB ASSY., FAN										
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. NOTE: WHEN CONVERTING TO NEW TYPES REQUIRED TO REPLACE 5126241 & 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.										
	5126242	# PULLEY ASSY. (PAGE A1)			1							
	5122868	PULLEY ASSY. (PAGE A1)	1									
	5126241	* PULLEY ASSY. (PAGE A1)							1	1		
	5122869	PULLEY ASSY. (PAGE A1)		1				1				
	5129637	+ PULLEY ASSY. (PAGE B1)				1						
	5126502	PULLEY ASSY. (PAGE A1)										1
		# NOT SERVICED, CONVERT TYPE 378 TO 868.										
		* NOT SERVICED, CONVERT TYPE 407 TO 876 AND TYPE 408 TO 869.										
		+ OBSOLETE.										
		5.4025 - SUPPORT, FAN MOUNTING										
4A	5126868	SUPPORT	1	1				1				1
4A	5108945	SUPPORT			2				2	2		
4C	5109640	SUPPORT									1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2		2		2				2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)				2						
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	2				2				2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)			4				4	4		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)									2	
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)									2	
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4		4	4	4		4
	103322	LOCKWASHER, 7/16" (12.9200)									2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3693	3737	3789	3844	4001	4074	4084	4284	4431					
		5.4090 - BRACKET, FAN SHAFT														
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)		4	4			4	4	4		3				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3	4			3	4	4		3				
	103341	WASHER, 3/8 (12.9190)	AR			AR										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR			4	AR	AR		AR				
		5.4140 - RETAINER, FAN SHAFT BEARING														
4B	**5130822**	WASHER, 33/64" I.D. X 1/8" W. (12.9190)				1	1									
		5.4150 - SEAL, FAN SHAFT														
4B	**5127119**	* SEAL				1	1									
		* OBSOLETE														
		5.4180 - CAP AND SPACER, FAN HUB														
4B,C	**5125022**	CAP AND SPACER ASSY. (INCLUDES CAP)						1		1		1				
4B	**5144798**	CAP (PULLEY)				1	1									
4B,C	**5125021**	CAP (SPACER)						1		1		1				
		5.4235 - PULLEY, FAN														
4B	**5127042**	* PULLEY (5.38" DIA.)				1	1									
		* OBSOLETE														

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 434	435	436	438	443	445	464	465	466	468	469	470
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)			1		1			1				
4A	5128457	BLADE, 14"-6 BLADE, BLOWER									1			
1B	5109566	BLADE, 18"-5 BLADE, SUCTION	1											
1B	5145773	BLADE, 18"-6 BLADE, SUCTION		1		1								
4A	5145211	BLADE, 20"-6 BLADE, SUCTION							1			1		
1B	5162837	BLADE, 22"-5 BLADE, SUCTION						1					1	
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)		4							4			
4A	186629	BOLT, 5/16"-18X1" (12.9001)							4			4		
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)											4	
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)						6						
4A	179858	BOLT, 7/16"-14X1" (12.9001)	4											
4A	103320	LOCKWASHER, 5/16" (12.9200)		AR				AR	AR		AR	AR	AR	
4A	103322	LOCKWASHER, 7/16" (12.9200)	4											
		5.4015 - PULLEY & HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. NOTE: WHEN CONVERTING TO NEW TYPES REQUIRED TO REPLACE 5126241 & 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.												
	5126242	# PULLEY ASSY. (PAGE A1)		1										
1B	5162786	= PULLEY ASSY. (PAGE C1)			1									
	5122868	PULLEY ASSY. (PAGE A1)				1			1		1			
	5170456	% PULLEY ASSY. (PAGE A1)					1							
1B	5131211	* PULLEY ASSY. (PAGE C1) (5103350)						1						
1B	5131207	* PULLEY ASSY. (PAGE C1) (5103347)								1				
	5170472	PULLEY ASSY. (PAGE B1)										1		
	5126241	+ PULLEY ASSY. (PAGE A1)											1	
		# NOT SERVICED, CONVERT TYPE 435 TO 867.												
		% NOT SERVICED, USE 5116483 PULLEY PLUS 905619 BEARING AND 5140234 BRACKET.												
		+ NOT SERVICED, FOR TYPE 469 USE 5145534 HUB ASSY. PLUS 5162837 FAN BLADE AND (2) 186625 BOLTS.												
		= OBSOLETE												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
1A	5108945	SUPPORT		2									2	
4B	5127072	# SUPPORT			1									
4A	5126868	SUPPORT				1	1		1		1	1		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4343	4435	4336	4383	4433	4445	4664	4655	4666	4688	4699	4700
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
4C	**5109640**	SUPPORT						1		1				1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2	2		2		2	2		
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)			2									
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)				2	2		2		2	2		
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)		4									4	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						2		2				2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)			2			2		2				2
	103321	LOCKWASHER, 3/8" (12.9200)		4		4	4	2	4		4	4	4	
	103322	LOCKWASHER, 7/16" (12.9200)			2			2		2				2
		# NOT SERVICED; USE 5141945 PLUS (2) 179871 AND (2) 450517 BOLTS.												
		5.4090 - BRACKET, FAN SHAFT												
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)		4	4	3	3		3		3	3	4	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4		3	3		3		3	3	4	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			4									
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR		AR		AR	AR	AR	
		5.4100 - SHAFT, FAN												
		FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.												
4C	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)						4		4				
4C	**5108436**	WASHER, 15/32" (7.1598)						4		4				
4C	**103322**	LOCKWASHER, 7/16" (12.9200)						4		4				
		5.4180 - CAP & SPACER, FAN HUB												
4C	**5111071**	* CAP & SPACER ASSY. (INCLUDES CAP)						1						
4B	**5125022**	CAP & SPACER ASSY. (INCLUDES CAP)											1	
4C	**5176204**	+ CAP & SPACER ASSY. (INCLUDES CAP)												1
4B	**5125021**	CAP (SPACER)											1	
4C	**5172852**	CAP (SPACER)												1
	NPN	SPACER (CUSTOMER FURNISHED)				1								
		* NOT SERVICED USE (3) 5103676 AND (1) 5103460.												
		+ NOT SERVICED, USE 5103718 PLUS 1-5144798 CAP.												
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	**5109641**	BRACKET						1		1				
4C	**5109642**	BOLT, 5/16"-18X7" ADJ.						1		1				
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)								2				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 434	435	436	438	443	445	464	465	466	468	469	470
		5.4290 - SCREW, FAN BRACKET ADJUSTING (CONT'D)												
	179856	BOLT, 7/16"-14X3/4" (12.9001)						2		2				
	120393	WASHER, 5/16" (12.9190)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								2				
	103322	LOCKWASHER, 7/16" (12.9200)						2		2				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 471	475	479	481	482	488	491	494	499	503	510
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)				1	1	1					
4A	**5146845**	BLADE, 17"-6 BLADE, BLOWER									1		
4A	**5145773**	BLADE, 18"-6 BLADE, SUCTION	1										
4A	**5145211**	BLADE, 20"-6 BLADE, SUCTION		1									
4A	**5145212**	BLADE, 20"-6 BLADE, BLOWER											1
4A	**5106199**	BLADE, 22"-5 BLADE, BLOWER			1				1				
4A	**5162837**	BLADE, 22"-5 BLADE, SUCTION								1			
4A	**5173872**	BLADE, 22"-6 BLADE, SUCTION										1	
4A	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	4	4	4				4	4			4
4A	**186629**	BOLT, 5/16"-18X1" (12.9001)										6	
4A	**180082**	BOLT, 5/16"-18X1 3/8" (12.9001)									4		
4A	**426444**	BOLT, 5/16"-18X3 1/4" (12.9001)											
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR				AR	AR	AR	AR	AR
		5.4015 - PULLEY & HUB ASSY., FAN											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. NOTE: WHEN CONVERTING TO NEW TYPES REQUIRED TO REPLACE 5126241 & 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.											
	NPN	PULLEY ASSY. (CUSTOMER FURNISHED)				1	1						
	5162786	= PULLEY ASSY. (PAGE C1)							1				
	5122868	PULLEY ASSY. (PAGE A1)			1								
	5170456	% PULLEY ASSY. (PAGE A1)	1							1			
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)										1	
	5170472	PULLEY ASSY. (PAGE B1)						1					1
	5122869	PULLEY ASSY. (PAGE A1)		1							1		
		% NOT SERVICED, USE 5116483 PULLEY PLUS 905619 BEARING AND 5140234 BRACKET. = OBSOLETE * NOT SERVICED, USE PART NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
	5108945	SUPPORT				2			1				
4B	**5127072**	# SUPPORT											
4A	**5126868**	SUPPORT	1	1	1		1	1		1	1	1	1
4C	**5109640**	SUPPORT					1					1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2	2			2		2	2		2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)							2				
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	2	2			2		2	2		2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)				4							
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)					2					2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 471	475	479	481	482	488	491	494	499	503	510
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)					2		2			2	
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4		4	2	4	4	2	4
	103322	LOCKWASHER, 7/16" (12.9200)					2		2			2	
		# NOT SERVICED; USE 5141945 PLUS (2) 179871 AND (2) 450517 BOLTS.											
		5.4090 - BRACKET, FAN SHAFT											
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)	3	3	3			3	4	3	3		3
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						3		3	3		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3	3								3
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							4				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR			AR	AR	AR	AR		AR
		5.4100 - SHAFT, FAN											
		FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.											
4C	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)										4	
4C	**5108436**	WASHER, 15/32" (7.1598)										4	
4C	**103322**	LOCKWASHER, 7/16" (12.9200)										4	
		5.4180 - CAP & SPACER, FAN HUB											
4B	**5131536**	CAP & SPACER ASSY. (INCLUDES CAP)									1		
4B	**5125021**	CAP (SPACER)								1			
4C	**5108740**	* SPACER										1	
		* NOT SERVICED USE 5103676 AND 5107293.											
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
4C	**5109641**	BRACKET										1	
4C	**5109642**	BOLT, 5/16"-18X7" ADJ.										1	
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)										2	
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)										2	
4C	**120393**	WASHER, 5/16" (12.9190)										1	
4C	**103321**	LOCKWASHER, 3/8" (12.9200)										2	
4C	**103322**	LOCKWASHER, 7/16" (12.9200)										2	

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5.4000A FAN

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 513	516	522	528	529	533	537	539	543	550	551	558
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)										1		
4A	5128457	BLADE, 14"-6 BLADE, BLOWER												1
4A	5147710	BLADE, 18"-6 BLADE, BLOWER											1	
4A	5145211	BLADE, 20"-6 BLADE, SUCTION		1				1			1			
4A	5119011	BLADE, 22"-5 BLADE, SUCTION	1											
4A	5173872	BLADE, 22"-6 BLADE, SUCTION			1									
4A	5173871	BLADE, 22"-6 BLADE, BLOWER				1			1					
4A	5128508	BLADE, 24"-6 BLADE, SUCTION								1				
4A	5171229	BLADE, 26"-6 BLADE, BLOWER					1							
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)	4			6	6	4	6		4			4
4A	186629	BOLT, 5/16"-18X1" (12.9001)		4									4	
4A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)			6					6				
4A	103320	LOCKWASHER, 5/16" (12.9200)	4	4	6	6	6	4	6	6	4		4	4
		5.4015 - PULLEY & HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.												
	5122869	PULLEY ASSY. (PAGE A1)	1											
	5126502	PULLEY ASSY. (PAGE A1)		1										1
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)			1	1	1		1	1				
	5126242	# PULLEY ASSY. (PAGE A1)									1			
	5132601	PULLEY ASSY. (PAGE A1)										1		
	5170472	PULLEY ASSY. (PAGE B1)											1	
		# NOT SERVICED, CONVERT TYPE 543 TO TYPE 871.												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
4A	5126868	SUPPORT	1	1				1				1	1	1
4C	5109640	SUPPORT			1	1	1		1	1				
	5108945	SUPPORT									2			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2				2				2	2	2
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	2				2				2	2	2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)									4			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2	2	2		2	2				
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)			2	2	2		2	2				
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	2	2	2	2	2	2	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)			2	2	2		2	2				
		5.4090 - BRACKET, FAN SHAFT												
	NPN	BRACKET (CUSTOMER FURNISHED)						1						
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	3					3			4	3	3	
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)										2		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 513	516	522	528	529	533	537	539	543	550	551	558
		5.4090 - BRACKET, FAN SHAFT (CONT'D)												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	3											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		3				3			4	1	3	3
	103341	WASHER, 3/8" (12.9190)		3										3
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR				AR			AR	AR	AR	AR
		5.4100 - SHAFT, FAN												
		A SHAFT ASSY. INCLUDES BEARINGS.												
4A	**905619**	% SHAFT ASSY.						1						
4C	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)			4	4	4		4	4				
4C	**5108436**	WASHER, 15/32 (7.1598)			4	4	4		4	4				
4C	**103322**	LOCKWASHER, 7/16" (12.9200)			4	4	4		4	4				
		% NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.												
		5.4180 - CAP AND SPACER, FAN HUB												
4C	**5108740**	+ SPACER			1					1				
		+ NOT SERVICED. USE 5103676 PLUS (1) 5144798 CAP.												
		5.4235 - PULLEY, FAN												
4A	**5148420**	PULLEY (4.30" DIA.) (2 GROOVES)						1						
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	**5109641**	BRACKET			2	2	1		1	2				
4C	**5109642**	BOLT, 5/16"-18X7" ADJ.			1	1	1		1	1				
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)							2	2				
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)			4	4	2		2	4				
4C	**120393**	WASHER, 5/16" (12.9190)			1	1	1		1	1				
4C	**103321**	LOCKWASHER, 3/8" (12.9200)							2	2				
4C	**103322**	LOCKWASHER, 7/16" (12.9200)			AR	AR	AR		AR	AR				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 560	566	567	572	573	574	577	578	580	583	584
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)		1									
4A	**5146845**	BLADE, 17"-6 BLADE, BLOWER								1			
4A	**5145773**	BLADE, 18"-6 BLADE, SUCTION	1										
4A	**5145211**	BLADE, 20"-6 BLADE, SUCTION										1	
4A	**5133548**	BLADE, 22"-5 BLADE, SUCTION							1				
4A	**5162837**	BLADE, 22"-5 BLADE, SUCTION											1
4A	**5100183**	BLADE, 24"-6 BLADE, BLOWER									1		
4A	**5171228**	BLADE, 26"-6 BLADE, SUCTION			1	1							
4A	**5177871**	BLADE, 28"-6 BLADE, SUCTION					1						
4A	**5175738**	BLADE, 28"-6 BLADE, BLOWER						1					
4A	**186629**	BOLT, 5/16"-18X1" (12.9001)	4									4	
4A	**180082**	BOLT, 5/16"-18X1 3/8" (12.9001)						6	6		6		
4A	**179824**	BOLT, 5/16"-18X1 3/4" (12.9001)			6								
4A	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)				6		6					6
4A	**179829**	BOLT, 5/16"-18X2 3/4" (12.9001)					6						
4A	**426444**	BOLT, 5/16"-18X3 1/4" (12.9001)								4			
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	4		6	6	6	6	6	4	6	4	6
		5.4015 - PULLEY & HUB ASSY., FAN											
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.											
	5122869	PULLEY ASSY. (PAGE A1)										1	
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)							1		1		
	5170472	PULLEY ASSY. (PAGE B1)	1							1			
	5131209	* PULLEY ASSY. (PAGE C1) (5103346)			1								
	5131210	* PULLEY ASSY. (PAGE C1) (5103349)				1	1	1					
	5131208	* PULLEY ASSY. (PAGE C1) (5103345)											1
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
4A	**5126868**	SUPPORT	1	1						1		1	
4C	**5109640**	SUPPORT			1				1		1		
4C	**5133272**	* SUPPORT				1	1	1					1
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)				2							2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2						2		2	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	2						2		2	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2	2	2	2	2		2		2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)			2				2				
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)				2	2	2					2
	103341	WASHER, 3/8" (12.9190)					2						
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	2	2	2	2	2	4	2	4	
	103322	LOCKWASHER, 7/16" (12.9200)			2	2	2	2	2		2		2
		* OBSOLETE											

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 560	566	567	572	573	574	577	578	580	583	584
		5.4090 - BRACKET, FAN SHAFT											
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	3	3						4		3	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3							3		3	
	103321	LOCKWASHER, 3/8" (12.9200)	AR							AR		AR	
		5.4100 - SHAFT, FAN											
		A SHAFT ASSY. INCLUDES BEARINGS.											
4A	**905619**	+ SHAFT ASSY.		1									
4C	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)			4	4	4	4	4		4		4
4C	**5108436**	WASHER, 15/32" (7.1598)			4	4	4	4	4		4		4
4C	**103322**	LOCKWASHER, 7/16" (12.9200)			4	4	4	4	4		4		4
		+ NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.											
		5.4180 - CAP AND SPACER, FAN HUB											
4C	**5111071**	+ CAP AND SPACER ASSY. (INCLUDES CAP)					1						
4C	**5109034**	* CAP AND SPACER ASSY. (INCLUDES CAP)				1							
4C	**5176204**	? CAP AND SPACER ASSY. (INCLUDES CAP)			1								
4B	**5131536**	CAP AND SPACER ASSY. (INCLUDES CAP)								1			
4C	**5172852**	CAP (SPACER)			1	1	1	1					1
4B	**5125021**	CAP (SPACER)								1			
4C	**5108740**	= SPACER						1	1		1		
		* NOT SERVICED USE 5144798 CAP PLUS 2-5103676 SPACERS.											
		= NOT SERVICED USE 5103676 PLUS 1-5107293 CAP.											
		+ NOT SERVICED, USE 5103676 PLUS 1-5144798 CAP.											
		? NOT SERVICED, USE 5103718 PLUS 1-5144798 CAP.											
		5.4235 - PULLEY, FAN											
4A	**5148420**	PULLEY (4.30" DIA.) (2 GROOVES)		1									
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
4C	**5109641**	BRACKET			1	1	1	1	1		1		2
4C	**5109642**	BOLT, 5/16"-18X7" ADJ.			1	1	1	1			1		1
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)			2	2	2	2	2		2		4
4C	**120393**	WASHER, 5/16" (12.9190)			1	1	1	1	1		1		1
4C	**103322**	LOCKWASHER, 7/16" (12.9200)			AR				AR		AR		AR

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5.4000A FAN

	PART NUMBER	NAME AND DESCRIPTION	TYPES 585	586	587	590	594	598	600	601	602	603	604	605
		5.4010 - BLADE, FAN												
		FOR TYPE 593 USE TYPE 906.												
	NPN	BLADE (CUSTOMER FURNISHED)	1				1					1		
4A	5145773	BLADE, 18"-5 BLADE, SUCTION											1	1
4A	5145211	BLADE, 20"-6 BLADE, R.H. SUCTION				1								
4A	5134366	BLADE, 22"-6 BLADE, R.H. SUCTION			1									
4A	5173872	BLADE, 22"-6 BLADE, SUCTION							1		1			
4A	5173871	BLADE, 22"-6 BLADE, BLOWER								1				
4A	5171228	BLADE, 26"-6 BLADE, SUCTION		1										
4A	5135654	BLADE, 26"-6 BLADE, BLOWER						1						
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)								6			4	4
4A	186629	BOLT, 5/16"-18X1" (12.9001)						6						
4A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)							6					
4A	179822	BOLT, 5/16"-18X1 1/2" (12.9001)									6			
4A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		6										
4A	426444	BOLT, 5/16"-18X3 1/4" (12.9001)				4								
	179858	BOLT, 7/16"-14X1" (12.9001)			4									
4A	103320	LOCKWASHER, 5/16" (12.9200)		6		4		6	6	6	6		4	4
	103322	LOCKWASHER, 7/16" (12.9200)			4									
		5.4015 - PULLEY AND HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.												
1B	5100984	* PULLEY ASSY. (PAGE D1) (5103345)	1								1			
1B	5131210	* PULLEY ASSY. (PAGE C1) (5103349)		1										
	5132601	PULLEY ASSY. (PAGE A1)				1								
1B	5131207	* PULLEY ASSY. (PAGE C1) (5103347)						1	1	1				
	5132421	* PULLEY ASS. (PAGE C1) (5103967)										1		
	5122868	PULLEY ASSY. (PAGE A1)											1	
	5126242	# PULLEY ASSY. (PAGE A1)												1
		# NOT SERVICED, USE 5145535 HUB ASSY. PLUS 5145773 FAN BLADE AND (2) 186625 BOLTS.												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
4C	5109640	SUPPORT	1					1	1	1	1			
4C	5133272	+ SUPPORT		1										
4A	5126868	SUPPORT				1	1						1	
	5134819	+ SUPPORT										1		
	8921343	SUPPORT												2
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2	2						2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 585	586	587	590	594	598	600	601	602	603	604	605
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)				2	2						2	
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)												4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2	2				2	2	2	2	2		
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2					2	2	2	2			
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)		2								2		
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)										4		
	103341	WASHER, 3/8" (12.9190)		2										
	103343	WASHER, 1/2" (12.9190)										4		
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2	2						4	4
	103322	LOCKWASHER, 7/16" (12.9200)	2	2				2	2	2	2	2		
	103323	LOCKWASHER, 1/2" (12.9200)										4		
		+ OBSOLETE.												
		5.4090 - BRACKET, FAN SHAFT												
	5135224	+ # BRACKET ASSY.					1							
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)				3	3						3	4
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)				2								
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)				1							3	4
	103321	LOCKWASHER, 3/8" (12.9200)				AR							AR	AR
		# INCLUDES SHAFT ASSY. IN 5.4100.												
		+ OBSOLETE.												
		5.4100 - SHAFT, FAN												
		A SHAFT ASSY. INCLUDES BEARINGS.												
4A	905619	# SHAFT ASSY.					1							
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4				4	4	4	4			
4C	5108436	WASHER, 15/32" (7.1598)	4	4				4	4	4	4			
4C	103322	LOCKWASHER, 7/16" (12.9200)	4	4				4	4	4	4			
		# NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.												
		5.4180 - CAP AND SPACER, FAN HUB												
4C	5109034	* CAP AND SPACER ASSY. (INCLUDES CAP)		1										
4B	5131536	CAP AND SPACER ASSY. (INCLUDES CAP)				1								
4C	5176204	+ CAP AND SPACER ASSY. (INCLUDES CAP)									1			
4C	5172852	CAP (SPACER)		1										
4B	5125021	CAP (SPACER)				1								
4C	5108740	@ SPACER							1					
		* NOT SERVICED, USE 5144798 CAP PLUS (2) 5103676 SPACERS.												
		@ NOT SERVICED USE 5103676 PLUS (1) 5107293.												
		+ NOT SERVICED, USE 5103718 PLUS (1) 5144798 CAP.												

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5.4000A FAN

	PART NUMBER	NAME AND DESCRIPTION	TYPES 585	586	587	590	594	598	600	601	602	603	604	605
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	**5109641**	BRACKET	1	2				4			1			
	5134618	BRACKET							1	1				
4C	**5109642**	BOLT, 5/16"-18X7" ADJ.	1	1				1						
	5108434	BOLT, 5/16 -18X5 ADJ.							1	1	1			
	179856	BOLT, 7/16"-14X3/4" (12.9001)	2	4				4			2			
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							2	2				
	120393	WASHER, 5/16" (12.9190)	1	1				1			1			
	103343	WASHER, 1/2" (12.9190)										1		
	103342	WASHER, 7/16" (12.9190)							2	2				
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR				AR	AR	AR	AR			
	103323	LOCKWASHER, 1/2" (12.9200)										1		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 606	609	615	617	621	626	627	632	634	635	636
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)			1		1		1	1			
4A	5145773	BLADE, 18"-6 BLADE, SUCTION	1					1					
4A	5145212	BLADE, 20"-6 BLADE, BLOWER											1
4A	5173872	BLADE, 22"-6 BLADE, SUCTION									1	1	
4A	5128508	BLADE, 24"-6 BLADE, SUCTION				1							
4A	5175738	BLADE, 28"-6 BLADE, BLOWER		1									
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)	4					4					
4A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)				6							
4A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)									6		
4A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		6									
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)										6	
4A	103320	LOCKWASHER, 5/16" (12.9200)	4	6		6		4			6	6	
		5.4015 - PULLEY AND HUB ASSY., FAN											
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.											
	NPN	PULLEY ASSY. (CUSTOMER FURNISHED)			1		1						1
	5131208	* PULLEY ASSY. (PAGE C1) (5103345)								1			
	5131210	* PULLEY ASSY. (PAGE C1) (5103349)		1									
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)				1			1		1	1	
	5126242	# PULLEY ASSY. (PAGE A1)	1										
	5122869	PULLEY ASSY. (PAGE A1)						1					
		# NOT SERVICED, CONVERT TYPE 606 TO TYPE 867.											
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
4C	5109640	SUPPORT				1			1	1	1	1	
4C	5133272	* SUPPORT		1									
4A	5126868	SUPPORT			1		1	1					1
	5108945	SUPPORT	2										
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		2	3		3	3					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2		2	2					2
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)			2		2	2					2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)	4										
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2		2			2	2	2	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				2			2	2	2	2	
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)		2									
	103321	LOCKWASHER, 3/8" (12.9200)	4		2		2	4					2
	103322	LOCKWASHER, 7/16" (12.9200)		2		2			2	2	2	2	
		* OBSOLETE											

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6006	6009	6115	6117	6211	6226	6227	6326	6334	6335	6336
		5.4090 - BRACKET, FAN SHAFT											
	5100201	+ BRACKET (W/INTEGRAL SHAFT) (5.4100)					1						
4A	5140234	BRACKET											1
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	4										3
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	4					3					3
	103321	LOCKWASHER, 3/8" (12.9200)	AR					AR					AR
		+ NOT SERVICED, REFER TO 5.4015 FOR ASSY. REPLACEMENT.											
		5.4100 - SHAFT, FAN											
		A SHAFT ASSY. INCLUDES BEARINGS.											
4A	905619	% SHAFT ASSY.			1			1					
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4		4			4	4	4	4	
4C	5108436	WASHER, 15/32" (7.1598)		4		4			4	4	4	4	
4C	103322	LOCKWASHER, 7/16" (12.9200)		4		4			4	4	4	4	
		% NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.											
		5.4110 - BEARING, FAN SHAFT											
4C	9415132	BEARING ASSY. (FRONT)					1						
4C	7450630	BEARING (REAR)					1						
4C	5131095	RETAINER, GREASE					1						
	5131124	SHIM (.015")					AR						
	5131205	SHIM (.020")					AR						
	5131206	SHIM (.025")					AR						
		5.4140 - RETAINER, FAN SHAFT BEARING											
	9409060	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)					1						
	5131123	WASHER, 33/64" I.D. X .32" THICK					1						
		5.4150 - SEAL, FAN SHAFT											
4C	5108219	SEAL					1						
		5.4170 - SPACER, FAN SHAFT BEARING											
4C	5131122	SPACER					1						
		5.4180 - CAP AND SPACER, FAN HUB											
4C	5109034	* CAP AND SPACER ASSY. (INCLUDES CAP)		1								1	
4C	5176204	+ CAP AND SPACER ASSY. (INCLUDES CAP)									1		
	5182861	+ CAP AND SPACER ASSY. (INCLUDES CAP)								1			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 606	609	615	617	621	626	627	632	634	635	636
		5.4180 - CAP AND SPACER, FAN HUB (CONT'D)											
4C	5172852	CAP (SPACER)		1									
4C	5108740	@ SPACER				1							
		* NOT SERVICED, USE 5144798 CAP PLUS (2) 5103676 SPACERS FOR TYPE 609 OR (3) 5103676 SPACERS FOR TYPE 635.											
		@ NOT SERVICED, USE 5103676 PLUS (1) 5107293.											
		+ NOT SERVICED, USE 5103718 PLUS (1) 5144798 CAP.											
		5.4235 - PULLEY, FAN											
4A	5116483	PULLEY (5.38" DIA., 2 GROOVES)			1								
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
4C	5109641	BRACKET		2					1	1	2		
	5134618	BRACKET				1			1	1			
4C	5109642	BOLT, 5/16"-18X7" ADJ.		1						1	1		
	5108434	BOLT, 5/16"-18 X 5" ADJ.				1			1				
	5130037	BOLT, 1/2"-13 X 8 1/2" ADJ.										1	
	179837	BOLT, 3/8"-16X3/4" (12.9001)										2	
	179856	BOLT, 7/16"-14X3/4" (12.9001)		4						2		4	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				2			2		2		
	120393	WASHER, 5/16" (12.9190)		1						1		1	
	103342	WASHER, 7/16" (12.9190)				2			2		2		
	103321	LOCKWASHER, 3/8" (12.9200)										2	
	103322	LOCKWASHER, 7/16" (12.9200)		4		4			4	AR	AR	4	

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5.4000A FAN

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 637	641	642	644	645	646	648	652	656	659	660	666
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)												1
4A	5145212	BLADE, 20"-6 BLADE, BLOWER				1			1					
4A	5106199	BLADE, 22"-5 BLADE, BLOWER	1											
4A	5162837	BLADE, 22"-5 BLADE, BLOWER			1						1			
4A	5173872	BLADE, 22"-6 BLADE, SUCTION										1		
4A	5173871	BLADE, 22"-6 BLADE, BLOWER					1							
4A	5100183	BLADE, 24"-6 BLADE, BLOWER											1	
4A	5135654	BLADE, 25"-6 BLADE, BLOWER								1				
4A	5171229	BLADE, 26"-6 BLADE, BLOWER						1						
4A	5171228	BLADE, 26"-6 BLADE, SUCTION		1										
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)	4			4	6				4		4	
4A	186629	BOLT, 5/16"-18X1" (12.9001)								6				
4A	186643	BOLT, 5/16"-18X2 1/16" (12.9001)			6			6						
4A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		6										
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)										6		
4A	426444	BOLT, 5/16"-18X3 1/4" (12.9001)							4					
	103320	LOCKWASHER, 5/16" (12.9200)	4	6	6	4	6	6	4	6	4	6	4	
		5.4015 - PULLEY AND HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. NOTE: WHEN CONVERTING TO NEW TYPES REQUIRED TO REPLACE 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.												
	5136886	PULLEY ASSY. (PAGE C1)	1											
	5131210	* PULLEY ASSY. (PAGE C1) (5103349)		1										
	5131208	* PULLEY ASSY. (PAGE C1) (5103345)			1									
	5126242	@ PULLEY ASSY. (PAGE A1)				1								
	5131211	* PULLEY ASSY. (PAGE C1) (5103350)					1							
	5131209	* PULLEY ASSY. (PAGE C1) (5103346)						1						
	5132601	PULLEY ASSY. (PAGE A1)							1					
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)								1		1		1
	5122869	PULLEY ASSY. (PAGE A1)									1			
	5170456	# PULLEY ASSY. (PAGE A1)											1	
		@ NOT SERVICED: CONVERT TYPE 644 TO TYPE 877.												
		# NOT SERVICED; USE COMPONENTS. SEE ASSEMBLY BREAKDOWN.												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
4A	5126868	SUPPORT	1						1		1		1	
4C	5133272	@ SUPPORT		1	1									
	8921343	SUPPORT				2								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6371	6411	6422	6444	6455	6466	6488	6522	6556	6559	6600	6666
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
4C	5109640	SUPPORT					1	1		1		1		1
	5136366	* SUPPORT												
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		2	2				2		2		2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2											
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)							2		2		2	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2											
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)				4								
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)		2	2		2	2		2		2		
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)					2	2		2		2		2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)		2	2									
	103321	LOCKWASHER, 3/8" (12.9200)	4			4			4		4			
	103322	LOCKWASHER, 7/16" (12.9200)		2	2		2	2		2		2		2
		* NOT SERVICED; USE 5141945 PLUS (2) 179850 AND (2) 179864 BOLTS.												
		@ OBSOLETE												
		5.4090 - BRACKET, FAN SHAFT												
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	4						3		3		3	
	9409079	BOLT, 3/8"-16X7/8" LOCK (12.9001)							2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3			4			1		3		3	
	103321	LOCKWASHER, 3/8" (12.9200)	AR											
		5.4100 - SHAFT, FAN												
		FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.												
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4		4	4		4		4		4
4C	5108436	WASHER, 15/32" (7.1598)		4	4		4	4		4		4		4
4C	103322	LOCKWASHER, 7/16" (12.9200)		4	4		4	4		4		4		4
		5.4180 - CAP & SPACER, FAN HUB												
	5109034	# CAP & SPACER ASSY. (INCLUDES CAP)		1	1			1						
	5131536	CAP & SPACER ASSY. (INCLUDES CAP)							1					
	5111071	* CAP & SPACER ASSY. (INCLUDES CAP)										1		
	5172852	CAP (SPACER)		1	1			1				1		
	5125021	CAP (SPACER)							1					
		# NOT SERVICED, USE (2) 5103676 SPACER AND 5144798 CAP.												
		* NOT SERVICED, USE (3) 5103676 SPACER AND 5107293 CAP.												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 637	641	642	644	645	646	648	652	656	659	660	666
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	5109642	BOLT, 5/16"-18X7" ADJ.						1				1		
	5108434	BOLT, 5/16"-18 X 5" ADJ.		1	1		1			1				1
	5134618	BRACKET		1	1		1			1				1
4C	5109641	BRACKET						1				1		
4C	179837	BOLT, 3/8"-16X3/4" (12.9001)						2				2		
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)						2				2		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		2	2		2			2				2
4C	120393	WASHER, 5/16" (12.9190)						1				1		1
	103342	WASHER, 7/16" (12.9190)		2	2		2			2				2
4C	103322	LOCKWASHER, 7/16" (12.9200)		2	2		2	2		2		2		2
4C	103321	LOCKWASHER, 3/8" (12.9200)						2				2		
		5.4325 - IDLER PULLEY, FAN BELT												
	5137548	GUIDE	1					1	1					
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)	1					1	1					
	103320	LOCKWASHER, 5/16" (12.9200)	1					1	1					
	114493	NUT, 5/16"-24 (12.9120)	1					1	1					
		5.4337 - BRACKET, FAN BELT IDLER PULLEY												
	5136445	BRACKET	1											
	5178895	SPACER, .40" X 7/8" X .40" (7.1585)	2											
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)	1											
	455537	BOLT, 3/8"-16X4" (12.9001)	2											
	114493	NUT, 5/16"-24 (12.9120)	1											
		5.4341 - SHAFT, FAN BELT IDLER PULLEY												
	5137625	HUB (5.4347)						1						
	5137031	SUPPORT, HUB (5.4347)						1						
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)						1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						1						
	187234	BOLT, 3/8"-24X2 7/8" (12.9001)						1						
	186626	BOLT, 7/16"-14X1 5/8" (12.9001)						1						
	191309	BOLT, 7/16"-14X2 1/8" (12.9001)						1						
	5137237	WASHER, 3/16" (5.4337)						1						
	103321	LOCKWASHER, 3/8" (12.9200)						2						
	103322	LOCKWASHER, 7/16" (12.9200)						2						
	114493	NUT, 5/16"-24 (12.9120)						1						
	103026	NUT, 3/8"-24 (12.9120)						1						
		5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING												
	5136623	ARM ASSY. (INCLUDES ARM, PULLEY, SHAFT AND BUSHING, NOT SOLD SEPARATELY)	1					1						

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 637	641	642	644	645	646	648	652	656	659	660	666
		5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING (CONT'D)												
	5137740	DEFLECTOR ASSY. (INCLUDES 5144065 BUSHING)						1						
	5144065	BUSHING, 1/2" X .46" X 1"						1						
	5137609	SLEEVE, BELT DEFLECTOR						1						
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)						1						
	5171344	WASHER, 5/16" (2.8830)						1						
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	114493	NUT, 5/16"-24 (12.9120)						1						
		5.4347 - SUPPORT ASSY., FAN BELT IDLER PULLEY												
	5136653	HUB	1											
	9418964	BOLT, 3/8"-16X5" (12.9001)	1											
	5139928	WASHER, .10" X 1 3/8" (5.4337)	1											
		5.4353 - SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT												
	5136654	SPRING	1					1						
	5137768	SPRING						1						
	5136439	BRACKET, IDLER PULLEY SPRING	1											
	5137040	BRACKET, IDLER PULLEY SPRING						1						
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						2						

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	672	686	687	688	692	699	701	702	706	709
		5.4010 - BLADE, FAN											
	NPN	BLADE (CUSTOMER FURNISHED)				1					1		
4A	**5147710**	BLADE, 18"-6 BLADE, BLOWER		1									
4A	**5145212**	BLADE, 20"-6 BLADE, BLOWER										1	
4A	**5106199**	BLADE, 22"-5 BLADE, BLOWER					1						
4A	**5162837**	BLADE, 22"-5 BLADE, BLOWER											1
4A	**5173872**	BLADE, 22"-6 BLADE, SUCTION	1		1					1			
4A	**5140100**	BLADE, 24"-6 BLADE, BLOWER						1					
4A	**5171229**	BLADE, 26"-6 BLADE, BLOWER							1				
4A	**186625**	BOLT, 5/16"-18X7/8" (12.9001)					4	4				4	
4A	**186629**	BOLT, 5/16"-18X1" (12.9001)							6				
4A	**180082**	BOLT, 5/16"-18X1 3/8" (12.9001)	6		6								
4A	**179824**	BOLT, 5/16"-18X1 3/4" (12.9001)											4
4A	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)								6			
4A	**426444**	BOLT, 5/16"-18X3 1/4" (12.9001)		4									
	103320	LOCKWASHER, 5/16" (12.9200)	6	4	6		4	4	6	6		4	4
		5.4015 - PULLEY AND HUB ASSY., FAN											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED. *NOTE: WHEN CONVERTING TO NEW* TYPES REQUIRED TO REPLACE 5126242 INCLUDE ITEMS THAT MAY DIFFER IN 5.4010.											
	5131208	* PULLEY ASSY. (PAGE C1) (5103345)	1										
	5126242	@ PULLEY ASSY. (PAGE A1)					1						
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)			1	1				1			
	5122869	PULLEY ASSY. (PAGE A1)						1					
	5170472	PULLEY ASSY. (PAGE B1)		1									1
	5139641	* PULLEY ASSY. (PAGE C1) (5103418)							1				
	5122868	PULLEY ASSY. (PAGE A1)										1	
		@ NOT SERVICED; CONVERT TYPE 688 *TO TYPE 870.*											
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.											
		5.4025 - SUPPORT, FAN MOUNTING											
4A	**5126868**	SUPPORT		1				1				1	1
	8921343	SUPPORT									2		
4C	**5109640**	SUPPORT	1		1				1	1			
	5136366	* SUPPORT			1								
	5108945	SUPPORT					1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2				2				2	2
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)			2								
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		2				2				2	2

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	672	686	687	688	692	699	701	702	706	709
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)											
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)					4				4		
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2			2			2	2			
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2		2	2			2	2			
	103321	LOCKWASHER, 3/8" (12.9200)		4			4	4			4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	2		2	2			2	2			
		* NOT SERVICED; USE 5141945 PLUS (2) 179850 AND (2) 179864 BOLTS.											
		5.4090 - BRACKET, FAN SHAFT											
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		3			3	3					3
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											3
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		3			4	3				3	
	103341	WASHER, 3/8" (12.9190)										3	
	103321	LOCKWASHER, 3/8" (12.9200)		AR			AR	AR				AR	AR
		5.4100 - SHAFT, FAN											
		FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.											
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4		4	4			4	4			
4C	5108436	WASHER, 15/32" (7.1598)	4		4	4			4	4			
4C	103322	LOCKWASHER, 7/16" (12.9200)	4		4	4			4	4			
		5.4180 - CAP & SPACER, FAN HUB											
	5131536	CAP & SPACER ASSY. (INCLUDES CAP)		1									
	5111071	% CAP & SPACER ASSY. (INCLUDES CAP)								1			1
	5125022	CAP & SPACER ASSY. (INCLUDES CAP)											
	5108740	* SPACER	1		1	1							
		% NOT SERVICED, USE (3) 5103676 SPACER AND 5107293 CAP.											
		* NOT SERVICED USE 5103676 AND 5107293 CAP.											
		5.4290 - SCREW, FAN BRACKET ADJUSTING											
4C	5109642	BOLT, 5/16"-18X7" ADJ.								1			
	5108434	BOLT, 5/16"-18 X 5" ADJ.	1		1	1			1				
	5134618	BRACKET	1		1	1			1				
4C	5109641	BRACKET								1			
	5135834	BRACKET									1		
	179847	BOLT, 3/8"-16X2" (12.9001)									2		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	672	686	687	688	692	699	701	702	706	709
		5.4290 - SCREW, FAN BRACKET ADJUSTING (CONT'D)											
	179856	BOLT, 7/16"-14X3/4" (12.9001)								2			
	179858	BOLT, 7/16"-14X1" (12.9001)							2				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2		2	2							
	120393	WASHER, 5/16" (12.9190)			1					1			
	103342	WASHER, 7/16" (12.9190)	2		2	2			2				
	103322	LOCKWASHER, 7/16" (12.9200)	2		2	2			2	2			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 710	713	714	716	717	733	738	741	748	751	754	758
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)					1							
4A	5147710	BLADE, 18"-6 BLADE, BLOWER											1	
4A	5145211	BLADE, 20"-6 BLADE, SUCTION	1			1								
4A	5162837	BLADE, 22"-5 BLADE, SUCTION		1										
4A	5133872	BLADE, 22"-6 BLADE, SUCTION			1									
4A	5124701	BLADE, 22"-6 BLADE, SUCTION									1			
4A	5173871	BLADE, 22"-6 BLADE, BLOWER												1
4A	5100183	BLADE, 24"-6 BLADE, BLOWER						1						
4A	5140100	BLADE, 24"-6 BLADE, BLOWER								1				
4A	5171228	BLADE, 26"-6 BLADE, SUCTION							1					
4A	5171229	BLADE, 26"-6 BLADE, BLOWER										1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)				4								
	186625	BOLT, 5/16"-18X7/8" (12.9001)									4			
	186629	BOLT, 5/16"-18X1" (12.9001)	4				4						4	
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)		4						4				
	179826	BOLT, 5/16"-18X2" (12.9001)						6	6					
	186643	BOLT, 5/16"-18X2 1/16" (12.9001)			6									
	179828	BOLT, 5/16"-17X2 1/2" (12.9001)										6		
	426444	BOLT, 5/16"-18X3 1/4" (12.9001)											4	
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)												6
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	6	AR	4	6	6	4	4	6	4	6
		5.4015 - PULLEY & HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5140790	PULLEY ASSY. (PAGE B1)	1											
	5170456	# PULLEY ASSY. (PAGE A1)		1										
1B	5131208	= PULLEY ASSY. (PAGE C1) (5103345)			1									1
	5126241	* PULLEY ASSY. (PAGE A1)				1								
	5137478	# PULLEY ASSY. (PAGE B1)					1							
1B	5131207	= PULLEY ASSY. (PAGE C1) (5103347)						1				1		
1B	5100985	= PULLEY ASSY. (PAGE D1) (5103346)							1					
	5122869	PULLEY ASSY. (PAGE A1)								1				
	5132601	PULLEY ASSY. (PAGE A1)									1			
	5126502	PULLEY ASSY. (PAGE A1)											1	
		# NOT SERVICED; USE COMPONENTS. SEE ASSEMBLY BREAKDOWN.												
		= NOT SERVICED USE PART NUMBER IN PARENTHESES.												
		* NOT SERVICED CONVERT TYPE 716 TO TYPE 848 AND INCLUDE ITEMS THAT DIFFER IN 5.4010.												
		5.4025 - SUPPORT, FAN MOUNTING												
4A	5126868	SUPPORT	1	1			1			1	1		1	
4C	5133272	* SUPPORT			1									
1A	5108945	SUPPORT				2								

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5.4000A FAN

MG	PART NUMBER	NAME AND DESCRIPTION	TYPES 710	713	714	716	717	733	738	741	748	751	754	758
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
4C	5109640	SUPPORT						1	1			1		1
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)			2						3			
	9409079	BOLT, 3/8"-16X7/8" (12.9001)									2			
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)	2	2			2			2	2		2	
	9409215	BOLT, 3/8"-16X1 1/4" LOCK (12.9001)									1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)											3	
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	2			2			2	2		2	
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)				4								
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2			2	2			2		2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						2	2			2		2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)			2									
	103341	WASHER, 3/8" (12.9120)											3	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR			AR	4		AR	
	103322	LOCKWASHER, 7/16" (12.9200)			2			2	2			2		2
		* OBSOLETE												
		5.4090 - BRACKET, FAN SHAFT												
4C	5109641	BRACKET							1			1		1
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	3	3		4				3			3	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3		4	3			3				
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)							2			2		2
	103341	WASHER, 3/8" (12.9190)					3							
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR			AR				
4C	103322	LOCKWASHER, 7/16" (12.9200)							2			2		2
		5.4100 - SHAFT, FAN												
		FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.												
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			4			4	4			4		4
4C	5108436	WASHER, 15/32" (7.1598)			4			4	4			4		4
4C	103322	LOCKWASHER, 7/16" (12.9200)			4			4	4			4		4
		5.4180 - CAP AND SPACER, FAN HUB												
	5125022	CAP AND SPACER ASSY. (INCLUDES CAP)		1						1				
	5109034	* CAP AND SPACER ASSY. (INCLUDES CAP)			1									
	5176204	+ CAP AND SPACER ASSY. (INCLUDES CAP)						1	1					
	5111071	# CAP AND SPACER ASSY. (INCLUDES CAP)										1		
	5131536	CAP AND SPACER ASSY. (INCLUDES CAP)											1	
	5182861	+ CAP AND SPACER ASSY. (INCLUDES CAP)												1
		* NOT SERVICED, USE (1) 5144798 AND (2) 5103676 SPACERS.												

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5.4000A FAN

5.4180 - CAP AND SPACER, FAN HUB (CONT'D)

\# NOT SERVICED USE (1) 5107293 AND (3) 5103676 SPACER.
\+ NOT SERVICED, USE 5103718 PLUS (1) 5144798 CAP.

5.4290 - SCREW, FAN BRACKET ADJUSTING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 710	713	714	716	717	733	738	741	748	751	754	758
	5134618	BRACKET			1			1						
	5108434	BOLT, 5/16"-18 X 5" ADJ.			1			1						
	5109642	BOLT, 5/16"-18 X 7" ADJ.							1			1		1
	179837	BOLT, 3/8"-16X3/4" (12.9001)										2		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)			2			2						
	120393	WASHER, 5/16" (12.9190)							1			1		1
	103342	WASHER, 7/16" (12.9190)			2			2						
	103321	LOCKWASHER, 3/8" (12.9200)										2		
	103322	LOCKWASHER, 7/16" (12.9200)			2			2						

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 771	776	784	801	804	805	820	821	827	828	835	836
		5.4010 - BLADE, FAN												
4A	**5146845**	BLADE, 17"-6 BLADE, BLOWER								1				
4A	**5146844**	BLADE, 17"-6 BLADE, SUCTION										1		
4A	**5145773**	BLADE, 18"-6 BLADE, SUCTION									1			
4A	**5145212**	BLADE, 20"-6 BLADE, BLOWER						1						
1B	**5162837**	BLADE, 22"-5 BLADE, SUCTION		1										
4A	**5173871**	BLADE, 22"-6 BLADE, BLOWER				1	1							1
4A	**5106199**	BLADE, 22"-5 BLADE, BLOWER							1					
4A	**5100183**	BLADE, 24"-6 BLADE, BLOWER	1											
4A	**5171228**	BLADE, 26"-6 BLADE, SUCTION			1								1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)	6	4		6			4			4		
	186629	BOLT, 5/16"-18X1" (12.9001)						4			4			
	180082	BOLT, 5/16"-18X1 3/8" (12.9001)			6									
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)								4				
	179826	BOLT, 5/16"-18X2" (12.9001)												6
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)					6	6					6	
	103320	LOCKWASHER, 5/16" (12.9200)	6	4	6	6	6	6	AR	AR	AR	AR	6	6
		5.4015 - PULLEY & HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
	5170456	# PULLEY ASSY. (PAGE A1)		1										
1B	**5131207**	* PULLEY ASSY. (PAGE C1) (5103347)	1		1	1	1						1	1
	5132601	PULLEY ASSY. (PAGE A1)							1					
	5126502	PULLEY ASSY. (PAGE A1)						1						
	5122868	PULLEY ASSY. (PAGE A1)								1				
	5170472	PULLEY ASSY. (PAGE B1)									1			
	5126242	@ PULLEY ASSY. (PAGE A1)										1		
		# NOT SERVICED; USE COMPONENTS. SEE ASSEMBLY BREAKDOWN.												
		@ NOT SERVICED; CONVERT TYPE 828 TO 878.												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
4A	**5126868**	SUPPORT		1				1	1	1	1	2	2	1
1A	**5108945**	SUPPORT	1		1								1	1
4C	**5109640**	SUPPORT				1	1							
	5136366	* SUPPORT							4		3		4	
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)							2					
	9409079	BOLT, 3/8"-16X7/8" (12.9001)							2					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2				2	2	2	2			2
	9409215	BOLT, 3/8"-16X1 1/4" LOCK (12.9001)							1					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						3		3	3	4		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 771	776	784	801	804	805	820	821	827	828	835	836
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	186679	BOLT, 3/8"-16X1 3/8" (12.9001)									3			
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)				2	2							
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		2				2	2	2	2			2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)										4	4	
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2		2								2	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2		2	2	2						2	2
	103321	LOCKWASHER, 3/8" (12.9200)		AR				AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	2		2	2	2						2	2
		* NOT SERVICED, USE 5141945 PLUS 2-179850 AND 2-179864 BOLTS.												
		5.4090 - BRACKET, FAN SHAFT												
4C	5109641	BRACKET	1		1					1			1	1
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		3				3	3	3		4		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		3										
	179856	BOLT, 7/16"-14X3/4" (12.9001)	2		2								2	2
	103321	LOCKWASHER, 3/8" (12.9200)		AR					AR	AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)	2		2								2	2
		5.4100 - SHAFT, FAN												
		FOR SHAFT SEE PULLEY AND HUB ASSY. BREAKDOWN.												
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4		4	4	4						4	4
4C	5108436	WASHER,15/32" (7.1598)	4		4	4	4						4	4
4C	103322	LOCKWASHER, 7/16" (12.9200)	4		4	4	4						4	4
		5.4180 - CAP AND SPACER, FAN HUB												
	5125022	CAP AND SPACER ASSY. (INCLUDES CAP)								1				
	5109034	* CAP AND SPACER ASSY. (INCLUDES CAP)												1
	5111071	# CAP AND SPACER ASSY. (INCLUDES CAP)											1	
	5108740	@ CAP AND SPACER ASSY. (INCLUDES CAP)			1									
	5109050	& CAP AND SPACER ASSY. (INCLUDES CAP)				1								
		* NOT SERVICED, USE 5144798 CAP AND (2) 5103676 SPACERS.												
		# NOT SERVICED, USE 5107293 CAP AND (3) 5103676 SPACER.												
		@ NOT SERVICED, USE 5107293 CAP AND 5103676 SPACER.												
		& NOT SERVICED, USE (1) 5107293 CAP, (1) 5103718 SPACER AND (2) 5103676 SPACERS.												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 771	776	784	801	804	805	820	821	827	828	835	836
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
	5134618	BRACKET				1	1							
	5108434	BOLT, 5/16"-18 X 5" ADJ.				1	1							
4C	**5109642**	BOLT, 5/16"-18 X 7" ADJ.	1		1								1	1
	179837	BOLT, 3/8"-16X3/4" (12.9001)	2											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				2	2							
4C	**120393**	WASHER, 5/16" (12.9190)	1		1	1	1						1	1
	103342	WASHER, 7/16" (12.9190)				2	2							
	103321	LOCKWASHER, 3/8" (12.9200)	2											
	103322	LOCKWASHER, 7/16" (12.9200)				2	2							

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 837	838	848	851	852	856	859	860	863	867	868	869
		5.4010 - BLADE, FAN												
4A	5147710	BLADE, 18"-6 BLADE, BLOWER									1			
4A	5145773	BLADE, 18"-6 BLADE, SUCTION										1		
4A	5145211	BLADE, 20"-6 BLADE, SUCTION			1									
4A	5145212	BLADE, 20"-6 BLADE, BLOWER		1		1								
4A	5162837	BLADE, 22"-5 BLADE, SUCTION	1											
4A	5106199	BLADE, 22"-5 BLADE, BLOWER					1		1					1
4A	5171228	BLADE 26"-6 BLADE, SUCTION						1						
4A	5137483	BLADE 32"-8 BLADE, SUCTION								1				
4A	186625	BOLT, 5/16"-18X3/4" (12.9001)	4	4	4		4		4					
4A	186629	BOLT, 5/16"-18X1" (12.9001)				4					6	6		6
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)								6				
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)						6						
4A	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR
		5.4015 - PULLEY & HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.												
	5122868	PULLEY ASSY. (PAGE A1)	1			1								
	5126242	# PULLEY ASSY. (PAGE A1)		1										
	5145534	* PULLEY ASSY. (PAGE D1) (5103512)			1									1
	5122869	PULLEY ASSY. (PAGE A1)					1							
1B	5131207	* PULLEY ASSY. (PAGE C1) (5103347)						1						
	5170472	PULLEY ASSY. (PAGE B1)							1					
1B	5131210	* PULLEY ASSY. (PAGE C1) (5103349)								1				
	5145535	PULLEY ASSY. (PAGE D1)									1	1	1	
		# NOT SERVICED, FOR TYPE 838 USE 5145535 HUB ASSY. PLUS 5145212 FAN BLADE AND (2) 186625 BOLTS.												
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
4A	5126868	SUPPORT	1				1		1					
1A	5108945	SUPPORT		2	2						2	2	2	2
4C	5109640	SUPPORT						1						
4C	5133272	* SUPPORT								1				
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	3	4	4		3		3		4	4	4	4
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2			2	2		2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	4	8	3	3							
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2			2	2		2					
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)									4	4	4	
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)		4	4									4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						2		2				
	179871	BOLT, 7/16"-14X1 3/4" (12.9001)								2				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 837	838	848	851	852	856	859	860	863	867	868	869
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	103341	WASHER, 3/8" (12.9190)								2				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR		AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)						AR		AR				
		* OBSOLETE												
		5.4090 - BRACKET, FAN SHAFT												
4C	5109641	BRACKET						1		1				
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)				3								
	179837	BOLT, 3/8"-16X3/4" (12.9001)						2						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	4											
	190943	BOLT, 7/16"-14X3/4" (12.9001)						2		2				
	103341	WASHER, 3/8" (12.9190)			3									
	103321	LOCKWASHER, 3/8" (12.9200)						AR						
	103322	LOCKWASHER, 7/16" (12.9200)						AR		AR				
		5.4100 - SHAFT, FAN												
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						4		4				
	103322	LOCKWASHER, 7/16" (12.9200)						AR		AR				
		5.4180 - CAP AND SPACER, FAN HUB												
	5109050	# CAP AND SPACER ASSY. (INCLUDES CAP)						1						
4C	5111071	% CAP AND SPACER ASSY. (INCLUDES CAP)								1				
8	5103718	SPACER, .80" THICK												1
		# NOT SERVICED, USE 5103718 SPACER PLUS (2) 5103676 SPACER AND 5107293 CAP.												
		% NOT SERVICED, USE (3) 5103676 SPACER AND 5107293 CAP.												
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	5109642	BOLT, 5/16"-18 X 7" ADJ.						1		1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							3		4	4	4	4
4C	120393	WASHER, 5/16" (12.9190)						1		1				
	103321	LOCKWASHER, 3/8" (12.9200)							AR		AR	AR	AR	AR

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 870	871	874	875	876	877	878	881	888	889	901	903	906
		5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED													
	NPN	BLADE, CUSTOMER FURNISHED					1								
4A	5146844	BLADE, 17"-6 BLADE, SUCTION							1						
4A	5120005	BLADE, 18"-6 BLADE, SUCTION													1
4A	5145773	BLADE, 18"-6 BLADE, SUCTION			1										
4A	5145211	BLADE 20"-6 BLADE, SUCTION		1											
4A	5145212	BLADE, 20"-6 BLADE, BLOWER						1			1				
4A	5162837	BLADE, 22"-5 BLADE, SUCTION				1				1					
4A	5106199	BLADE, 22"-5 BLADE, BLOWER	1										1		
4A	5177766	BLADE, 26"-6 BLADE, SUCTION										1			
4A	5171229	BLADE, 26"-6 BLADE, BLOWER												1	
4A	186625	BOLT, 5/16"-18X3/4" (12.9001)	6					6	6		4				
4A	186629	BOLT, 5/16"-18X1" (12.9001)		6	6					4					4
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)				6									
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)											6		
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)												6	
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)							6						
4A	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	AR
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.													
	5145534	# PULLEY ASSY. (PAGE D1) (5103512)				1	1								
	5145535	# PULLEY ASSY. (PAGE D1) (5103352)	1	1	1			1	1				1		
	5132601	PULLEY ASSY. (PAGE A1)								1	1				
	5131209	# PULLEY ASSY. (PAGE C1) (5103346)										1			
	5131208	# PULLEY ASSY. (PAGE C1) (5103345)												1	
	5134558	PULLEY ASSY. (PAGE B1)													1
		# NOT SERVICED, USE PART NUMBER IN PARENTHESES.													
		5.4025 - SUPPORT, FAN MOUNTING													
4C	5126868	SUPPORT								1	1				
1A	5108945	SUPPORT	2	2			2		2				2		
	5109640	SUPPORT												1	
4C	5133272	* SUPPORT										1			
	8921343	SUPPORT			2	2		2							
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	4	4	4	4	4	4	4	3	3		4		
	9409079	BOLT, 3/8"-16X7/8" (12.9001)									2				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								2	2				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									1		4		
	9409215	BOLT, 3/8"-16X1 1/4" LOCK (12.9001)								1					
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)								2	2				
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)	4	4	4								4		
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)				4	4	4	4	4					
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)							2					2	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)												4	
	179871	BOLT, 7/16"-14X1 3/4" (12.9001)										2			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 870	871	874	875	876	877	878	881	888	889	901	903	906
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)								2				2	
	5108436	WASHER, 15/32" (7.1598)												4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR		
	103322	LOCKWASHER, 7/16" (12.9200)							AR					AR	
		* OBSOLETE													
		5.4090 - BRACKET, FAN SHAFT													
4C	5109641	BRACKET							1					1	
	5134481	BRACKET													1
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)													4
	5135962	SCREW, 3/8"-16X2 1/2" (12.9066)													2
	179837	BOLT, 3/8"-16X3/4" (12.9001)												2	
	9409079	BOLT, 3/8"-16X7/8" (12.9001)								2					
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)													2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)													2
	190943	BOLT, 7/16"-14X3/4" (12.9001)							2					2	
	103321	LOCKWASHER, 3/8" (12.9200)												AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)												AR	
		5.4100 - SHAFT, FAN													
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										4			
	5108436	WASHER, 15/32" (7.1598)							4						
	103322	LOCKWASHER, 7/16" (12.9200)										AR			
		5.4180 - CAP AND SPACER, FAN HUB													
4C	5111071	% CAP AND SPACER ASSY. (INCLUDES CAP)										1			
4B	5103718	SPACER, .80" THICK				1									
4B	5103676	SPACER, .56" THICK											1	3	
		% NOT SERVICED, USE (3) 5103676 SPACER AND 5107293 CAP.													
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
4C	5109642	BOLT, 5/16"-18 X 7" ADJ.							1					1	
4C	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	4	4	4	4	4	4	4	1					
4C	120393	WASHER, 5/16" (12.9190)										1		1	
4C	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR					
	103322	LOCKWASHER, 7/16" (12.9200)										AR			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 912	919	926	927	928	929	930	937	938	939	940	942
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)		1										
4A	5146844	BLADE, 17"-6 BLADE, SUCTION			1			1						
4A	5146845	BLADE, 17"-6 BLADE, BLOWER				1								
4A	5147710	BLADE, 18"-6 BLADE, BLOWER					1		1			1		
4A	5145212	BLADE, 20"-6 BLADE, SUCTION								1				1
4A	5145211	BLADE, 20"-6 BLADE, SUCTION											1	
4A	5171229	BLADE, 26"-6 BLADE, BLOWER												
4A	5177871	BLADE, 28"-6 BLADE, SUCTION	1											
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)			6	6	6		6		6			
4A	186629	BOLT, 5/16"-18X1" (12.9001)								6			6	
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)						6						
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)												6
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)	6											
4A	179830	BOLT, 5/16"-18X3" (12.9001)										6		
4A	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.4015 - PULLEY AND HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.												
	5131209	* PULLEY ASSY. (PAGE C1) (5103346)	1											
	5145534	* PULLEY ASSY. (PAGE D1) (5103512)		1										
	5147085	PULLEY ASSY. (PAGE D1)			1	1	1	1			1			
	5147082	PULLEY ASSY. (PAGE D1)							1					1
	5145535	PULLEY ASSY. (PAGE D1)								1				
	5147084	PULLEY ASSY. (PAGE D1)										1		
	5131208	* PULLEY ASSY. (PAGE C1) (5103345)											1	
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
4C	5133272	* SUPPORT	1											
2C	8921343	SUPPORT		2										
	5126868	SUPPORT			1	1	1	1	1		1	1		1
4C	5109640	SUPPORT											1	
	5108945	SUPPORT								2				
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		4	3	3	3	3	3	4	3	3		3
	5108436	SPACER, 15/32" X 15/16" X 5/33" (7.1598)	4										4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2	2	2	2	2		2	2		2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4	3	3	3	3	3	4	3	3		3
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)			2	2	2	2	2		2	2		2
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)		4						4				
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2										2	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4										4	
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)											2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 912	919	926	927	928	929	930	937	938	939	940	942			
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)															
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	2														
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR		AR			
	103322	LOCKWASHER, 7/16" (12.9200)	AR										AR				
		* OBSOLETE															
		5.4090 - BRACKET, FAN SHAFT															
4C	**5109641**	BRACKET (5.4290)	1										1				
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)	2										2				
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)											2				
4C	**103322**	LOCKWASHER, 7/16" (12.9200)	AR										AR				
4C	**103321**	LOCKWASHER, 3/8" (12.9200)											2				
		5.4180 - CAP AND SPACER, FAN HUB															
4C	**5103718**	SPACER (.80" THICK)						1				1					
4C	**5103676**	SPACER (.56" THICK)										3		2			
		5.4290 - SCREW, FAN BRACKET ADJUSTING															
4C	**5109642**	BOLT, 5/16"-18 X 7" ADJ.	1										1				
4C	**120393**	WASHER, 5/16" (12.9190)	1										1				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 943	944	953	955	962	970	977	981	993	1002	1004	1006
		5.4010 - BLADE, FAN												
4A	5146845	BLADE, 17"-6 BLADE, BLOWER											1	
4A	5147710	BLADE, 18"-6 BLADE, BLOWER		1										
4A	5162837	BLADE, 22"-5 BLADE, SUCTION			1									1
4A	5119011	BLADE, 22"-5 BLADE, SUCTION										1		
4A	5140100	BLADE, 24"-5 BLADE, BLOWER					1							
4A	5128508	BLADE, 24"-6 BLADE, SUCTION				1								
4A	5100183	BLADE, 24"-6 BLADE, BLOWER							1					
4A	5171229	BLADE, 26"-6 BLADE, BLOWER	1								1			
4A	5171228	BLADE, 26"-6 BLADE, SUCTION						1		1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)										4	6	
	186629	BOLT, 5/16"-18X1" (12.9001)			6	6								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					4							
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)						6						
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)		6										
	179824	BOLT, 5/16"-18X1 3/4" (12.9001)		6										6
	179826	BOLT, 5/16"-18X2" (12.9001)	6							6				
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)									6			
	179830	BOLT, 5/16"-18X3" (12.9001)							6					
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		5.4015 - PULLEY AND HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.												
	5145534	* PULLEY ASSY. (PAGE D1) (5103512)			1								1	
	5147082	PULLEY ASSY. (PAGE D1)												1
	5145535	PULLEY ASSY. (PAGE D1)		1										
	5131208	* PULLEY ASSY. (PAGE C1) (5103345)	1			1		1		1	1			
	5148441	PULLEY ASSY. (PAGE A1)					1							
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)							1					
	5122869	PULLEY ASSY. (PAGE A1)										1		
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		5.4025 - SUPPORT, FAN MOUNTING												
	5126868	SUPPORT					1					1	1	
4C	5109640	SUPPORT	1			1			1	1				
	5108945	SUPPORT		2	2									2
4B	5141945	SUPPORT						1			1			
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		4	4		3							
	5108436	SPACER, 15/32" X 15/16" X 5/33" (7.1598)	4			4		4	4	4	4			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					2					2	2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4	4		3							
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)					2					2	2	2

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 943	944	953	955	962	970	977	981	993	1002	1004	1006
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)		4	4									4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2			2		2	2	2	2			
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4			4		4	4	4	4			
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2			2			2	2				
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)						2			2			
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR					AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR		AR	AR	AR	AR			
		5.4090 - BRACKET, FAN SHAFT												
4C	5109641	BRACKET (5.4290)				1			1	1				
	5134618	BRACKET	1					1			1			
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)										3	3	4
	179856	BOLT, 7/16"-14X3/4" (12.9001)				2			2	2				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2					2			2			
	179837	BOLT, 3/8"-16X3/4" (12.9001)				2			2	2				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										3	3	4
	103342	WASHER, 7/16" (12.9190)	2					2			2			
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR		AR	AR	AR	AR			
	103321	LOCKWASHER, 3/8" (12.9200)				2			2	2		AR	AR	AR
		5.4180 - CAP AND SPACER, FAN HUB												
4C	5103718	SPACER (.80" THICK)	1	1	1				2	1				
	5147472	SPACER (.32" THICK)					1							
4C	5103676	SPACER (.56" THICK)						1	1		3			
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	5108434	BOLT, 5/16"-18X5"	1					1			1			
4C	5109642	BOLT, 5/16"-18 X 7" ADJ.				1			1	1				
4C	120393	WASHER, 5/16" (12.9190)				1		1	1	1	1			
		5.4325 - IDLER PULLEY, FAN BELT (WITH ADJUSTING ARM)												
	5137548	GUIDE ASSY.					1							
	181350	BOLT, 5/16"-24X2 1/2" (12.9001)					1							
	103320	LOCKWASHER, 5/16" (12.9200)					1							
	114493	NUT, 5/16"-24 (12.9120)					1							
		5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING												
		AN ARM ASSY. INCLUDES ARM, PULLEY SHAFT AND BUSHING WHICH ARE NOT SOLD SEPARATELY, PLUS BEARING IN 5.4343.												

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5.4000A FAN

PART FIG NUMBER	NAME AND DESCRIPTION	TYPES 943	944	953	955	962	970	977	981	993	1002	1004	1006
	5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING (CONT'D)												
5148443	+ ARM ASSY.					1							
908140	BEARING					1							
179847	BOLT, 3/8"-16X2" (12.9001)					1							
5139928	WASHER, .10" I.D. X 1 3/8" O.D.					1							
103321	LOCKWASHER, 3/8" (12.9200)					1							
102635	NUT, 3/8"-16 (12.9120)					1							
	+ NOT SERVICED, USE 5136623.												
	5.4346 - BRACKET, FAN BELT IDLER PULLEY ADJUSTING ARM STOP												
5147111	SUPPORT, IDLER ARM ADJUSTING					1							
5147467	HUB, IDLER ARM SUPPORT					1							
117297	SCREW, 5/16"-18X1 3/4" FIL. HD. (12.9010)					1							
186619	BOLT, 3/8"-16X1 1/8" (12.9001)					1							
455537	BOLT, 3/8"-16X4" (12.9001)					2							
5196119	SPACER, 3/8" THICK (5.4025)					1							
103341	WASHER, 3/8" (12.9190)					1							
103321	LOCKWASHER, 3/8" (12.9200)					3							
120376	NUT, 5/16"-18 (12.9120)					1							
102635	NUT, 3/8"-16 (12.9120)					1							
	5.4353 - SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT												
5136654	SPRING					1							
	5.4355 - BRACKET, FAN BELT IDLER PULLEY SPRING												
5147122	BRACKET					1							
427588	BOLT, 3/8"-16X2 1/2" (12.9001)					2							
103321	LOCKWASHER, 3/8" (12.9200)					2							

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5.4000A FAN

PART NUMBER	NAME AND DESCRIPTION	TYPES 1023	1024	1025	1038	1039	1040	1041	1045	1048	1050	1051	1053
5.4010 - BLADE, FAN													
NPN	BLADE (CUSTOMER FURNISHED)					1							
4A 5128508	BLADE, 24"-6 BLADE, SUCTION	1											
4A 5145211	BLADE, 20"-6 BLADE, SUCTION		1		1			1					1
4A 5100183	BLADE, 24"-6 BLADE, BLOWER			1			1						
4A 5106199	BLADE, 22"-5 BLADE, BLOWER								1				
4A 5145212	BLADE, 20"-6 BLADE, SUCTION									1			
4A 5177766	BLADE, 26"-6 BLADE, SUCTION										1		
4A 5162837	BLADE, 22"-5 BLADE, SUCTION							6				1	
4A 186625	BOLT, 5/16-18X7/8" (12.9001)				4					4		4	4
4A 186629	BOLT, 5/16"-18X1" (12.9001)		4						6		6		
4A 180082	BOLT, 5/16"-18X1 3/8" (12.9001)						6						
4A 186648	BOLT, 5/16"-18X1 7/8" (12.9001)	6											
4A 179826	BOLT, 5/16"-18X2" (12.9001)			6									
4A 179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)			6									
4A 179828	BOLT, 5/16"-18X2 1/2" (12.9001)				4		6	6	6	4	6	4	4
4A 179829	BOLT, 5/16"-18X2 3/4" (12.9001)												
4A 103320	LOCKWASHER, 5/16" (12.9200)	4	6	6	4		6	6	6	4	6	4	4
5.4015 - PULLEY AND HUB ASSY., FAN													
	SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED.												
5131207	* PULLEY ASSY. (PAGE C1) (5103347)	1		1									
5148441	PULLEY ASSY. (PAGE A1)		1										
5100988	* PULLEY ASSY. (PAGE D1) (5103594)					1							
5103512	PULLEY ASSY. (PAGE E1)						1		1				
5147085	PULLEY ASSY. (PAGE D1)							1					
5100984	* PULLEY ASSY. (PAGE D1) (5103345)										1		
5147083	PULLEY ASSY. (PAGE D1)												1
5170456	% PULLEY ASSY. (PAGE A1)				1								
5122868	PULLEY ASSY. (PAGE A1)									1			
5140790	PULLEY ASSY. (PAGE B1)											1	
	* NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
	% NOT SERVICED. FOR SERVICE USE COMPONENTS.												
5.4025 - SUPPORT, FAN MOUNTING													
4C 5109640	SUPPORT	1		1		1					1		
4A 5126868	SUPPORT		1		1			1	2	1		1	1
8921343	SUPPORT						2						
5108945	SUPPORT												
5101580	SPACER (2.04" L.)	1											
5101661	SPACER (4.24" L.)	1											
186619	BOLT, 3/8"-16X1 1/8" (12.9001)		4		2			2		2		2	2
179851	BOLT, 3/8"-16X3" (12.9001)	2											
186282	BOLT, 3/8"-16X3 1/4" (12.9001)		2		2			2		2		2	2
450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2		2					2		
272429	BOLT, 3/8"-16X4 1/8" (12.9001)						4		4				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10233	10234	10235	10238	10339	10340	10341	10345	10348	10350	10351	10353
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)												
	186290	BOLT, 3/8"-16X6" (12.9001)	1											
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)			2		2					2		
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	2	4		4	4	4	4		4	4
	103322	LOCKWASHER, 7/16" (12.9200)			2		2					2		
		5.4090 - BRACKET, FAN SHAFT												
4C	5109641	BRACKET					1					1		
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)									3			
4C	179837	BOLT, 3/8"-16X3/4" (12.9001)					2					2		
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)					2					2		
4C	103321	LOCKWASHER, 3/8" (12.9200)					2					2		
4C	103322	LOCKWASHER, 7/16" (12.9200)					2					2		
		5.4100 - SHAFT, FAN												
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		3		3		4	3	4	3		3	3
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4		4					4		
	5164294	SPACER, 1/8" THICK (7.1581)		3		3		4	3	4			3	3
	103341	WASHER, 3/8" (12.9190)									3			
	5108436	WASHER, 15/32" (7.1598)	4		4		4					4		
	103321	LOCKWASHER, 3/8" (12.9200)		3		3		4	3	4	3		3	3
	103322	LOCKWASHER, 7/16" (12.9200)	4		4		4					4		
		5.4180 - CAP AND SPACER, FAN HUB												
4B	5103676	SPACER, .56" THICK	1		1			2				2		
4C	5103718	SPACER, .80" THICK			1		2			1				
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	5109641	BRACKET	1		1									
	179837	* BOLT, 3/8"-16X3/4" (12.9001)	2		2									
4C	5109642	BOLT, 5/16"-18X7"	1		1		1					1		
4C	179856	BOLT, 7/16"-14X3/4" (12.9001)	2		2									
4C	120393	WASHER, 5/16" (12.9190)	1		1		1					1		
		* FOR 10.9" TO 11.6" FAN HEIGHT ONLY												
		5.4325 - IDLER PULLEY ASSY., FAN BELT												
		ASSY. INCLUDES ARM, PULLEY, SHAFT AND BUSHING NOT SOLD SEPARATELY AND BEARING IN 5.4332.												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1023	1024	1025	1038	1039	1040	1041	1045	1048	1050	1051	1053
		5.4325 - IDLER, PULLEY FAN BELT WITH ADJUSTING ARM (CONT'D)												
	5148443	+ IDLER ASSY.		1										
	5137548	GUIDE		1										
	5196119	SPACER, 3/8" THICK (3.4001)		1										
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)		1										
	103320	LOCKWASHER, 5/16" (12.9120)		1										
		+ NOT SERVICED, USE 5136623.												
		5.4332 - BEARING, FAN BELT IDLER PULLEY												
	908140	BEARING		1										
		5.4347 - SUPPORT ASSY., FAN BELT IDLER PULLEY												
	5147111	SUPPORT		1										
	5147467	HUB		1										
	117297	SCREW, 5/16"-18X1 3/4" (12.9010)		1										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1										
	179847	BOLT, 3/8"-16X2" (12.9001)		1										
	5139928	WASHER, SPEC. (5.4337)		1										
	103341	WASHER, 3/8" (12.9190)		1										
	103321	LOCKWASHER, 3/8" (12.9200)		2										
	120376	NUT, 5/16"-18 (12.9120)		1										
	102635	NUT, 3/8"-16 (12.9120)		2										
		5.4353 - SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT												
	5136654	SPRING		1										
	5147122	BRACKET (5.4355)		1										
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		2										

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1054	1057	1060	1063	1066	1124	1156	1157	1158	1160	1161	1162	1163	1164
		5.4010 - BLADE, FAN														
	NPN	BLADE (CUSTOMER FURNISHED)					1									
4A	5173871	BLADE, 22"-6 BLADE, BLOWER	1													
4A	5162837	BLADE, 22"-5 BLADE, SUCTION		1												
4A	5172003	BLADE, 26"-6 BLADE, BLOWER			1											
4A	5173872	BLADE, 22"-6 BLADE, SUCTION							1							
4A	5100183	BLADE, 24"-6 BLADE, BLOWER								1						
4A	5106199	BLADE, 22"-5 BLADE, BLOWER									1					
4A	5171229	BLADE, 26"-6 BLADE, BLOWER										1	1			
4A	5128508	BLADE, 24"-6 BLADE, BLOWER												1		
4A	5171228	BLADE, 26"-6 BLADE, SUCTION													1	1
4A	5145211	BLADE, 20"-6 BLADE, SUCTION				1		1								
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)							4						6	
4A	186629	BOLT, 5/16"-18X1" (12.9001)	4			6		6					6	6		
4A	179819	BOLT, 5/16"-18X1 1/8" (12.9001)									6					
4A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)		6												
4A	179826	BOLT, 5/16"-18X2" (12.9001)														6
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)			6					6		6				
	103320	LOCKWASHER, 5/16" (12.9200)	4	6	6	6		6	4	6	6	6	6	6	6	6
		5.4015 - PULLEY AND HUB ASSY., FAN														
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.														
	5122869	PULLEY ASSY. (PAGE A1)	1													
	5147085	PULLEY ASSY. (PAGE D1)		1												
	5131207	* PULLEY ASSY. (PAGE C1) (5103347)			1											
	5103512	PULLEY ASSY. (PAGE E1)					1			1	1					
	5170472	PULLEY ASSY. (PAGE B1)							1							
	5103345	PULLEY ASSY. (PAGE E1)						1				1	1	1	1	
	5105127	* PULLEY ASSY. (PAGE D1) (5105163)				1										
		* NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
		5.4025 - SUPPORT, FAN MOUNTING														
4A	5126868	SUPPORT	1	1					1							
4C	5109640	SUPPORT			1							1	1	1		1
	5108945	SUPPORT				2	2			2						
	8921343	SUPPORT									2					
	5100202	SUPPORT						1								
	5141945	SUPPORT													1	
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)				4										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2					2							
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	2					2							
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)				4	4			4	4					
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)			2							2	2	2	2	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)			2							2	2	2		2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)													2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				4										
	186646	BOLT, 1/2"-13X1 3/4" (12.9001)						2								
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)						2								
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)						1								
	5150230	WASHER, 3/8"X1 3/16" (3.4120)						2								
	5109949	WASHER, SPL.						2								
	103321	LOCKWASHER, 3/8" (12.9200)	4	4		8	4		4	4	4					
	103323	LOCKWASHER, 1/2" (12.9200)						1								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10544	10557	10600	10603	10666	11124	11156	11157	11158	11160	11161	11162	11163	11164
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)														
	103322	LOCKWASHER, 7/16" (12.9200)			2							2	2	2	2	2
		5.4090 - BRACKET, FAN SHAFT														
4C	5109641	BRACKET			1							1	1	1		1
	5134618	BRACKET													1	
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)			2							2	2	2		2
	179856	BOLT, 7/16"-14 X 3/4" (12.9001)			2							2	2	2		2
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)													2	
	103342	WASHER, 7/16" (12.9190)													2	
	103321	LOCKWASHER, 3/8" (12.9200)			2							2	2	2		2
	103322	LOCKWASHER, 7/16" (12.9200)			2							2	2	2	2	2
		5.4100 - SHAFT, FAN														
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	3			4		3	4	4					
	427564	BOLT, 7/16-14X1 3/8" (12.9001)			4			4				4	4	4	4	4
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)	3	3			4		3	4	4					
4C	5108436	SPACER, 15/32" X 15/16" X 5/33" (7.1598)			4			4				4	4	4	4	4
	103321	LOCKWASHER, 3/8" (12.9200)	3	3			4		3	4	4					
4C	103322	LOCKWASHER, 7/16" (12.9200)			4			4				4	4	4	4	4
		5.4180 - CAP AND SPACER, FAN HUB														
4C	5103676	SPACER (.56" THICK)		1	3		1					3				
4C	5103718	SPACER (.80" THICK)					1			2						1
		5.4290 - SCREW, FAN BRACKET ADJUSTING														
	5108434	BOLT, 5/16"-18X5"						1							1	
4C	5109642	BOLT, 5/16 -18X7 ADJ.			1			1				1	1	1		1
4C	120393	WASHER, 5/16" (12.9190)			1			1				1	1	1	1	1

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5.4000A *FAN*

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1165	1167	1168	1169	1171	1172	1173	1175	1176	1177	1179	1180
		5.4010 - BLADE, FAN												
	NPN	BLADE, CUSTOMER FURNISHED							1		1			
4A	**5171229**	BLADE, 26"-6 BLADE, BLOWER	1									1		
4A	**5177766**	BLADE, 26"-6 BLADE, SUCTION		1										
4A	**5173872**	BLADE, 22"-6 BLADE, SUCTION			1			1		1				1
4A	**5173871**	BLADE, 22"-6 BLADE, BLOWER				1								
4A	**5128508**	BLADE, 24"-6 BLADE, BLOWER					1						1	
4A	**5100183**	BLADE, 24"-6 BLADE, BLOWER											6	
4A	**186625**	BOLT, 5/16"-18X7/8" (12.9001)				6								6
4A	**186629**	BOLT, 5/16"-18X1" (12.9001)			6		6							
4A	**180082**	BOLT, 5/16"-18X1 3/8" (12.9001)						6						
4A	**179823**	BOLT, 5/16"-18X1 5/8" (12.9001)		6								6		
4A	**179826**	BOLT, 5/16"-18X2" (12.9001)	6							6				
4A	**179828**	BOLT, 5/16"-18X2 1/8" (12.9001)												
4A	**179830**	BOLT, 5/16"-18X3" (12.9001)	6	6	6	6	6	6		6		6	6	6
4A	**103320**	LOCKWASHER, 5/16" (12.9200)												
		5.4015 - PULLEY AND HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.												
	5103345	PULLEY ASSY. (PAGE E1)	1	1										
	5103347	PULLEY ASSY. (PAGE E1)			1	1	1	1	1	1	1	1	1	1
		5.4025 - SUPPORT, FAN MOUNTING												
4C	**5109640**	SUPPORT		1	1	1	1	1	1	1		1	1	
	5141945	SUPPORT	1								1			1
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		2	2	2	2	2	2	2		2	2	
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	2								2			2
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		5.4090 - BRACKET, FAN SHAFT												
4C	**5109641**	BRACKET		1	1	1	1			1		1	1	
	5134618	BRACKET	1					1	1		1			1
	179837	BOLT, 3/8"-16X3/4" (12.9001)		2	2	2	2			2		2	2	
	179856	BOLT, 7/16"-14X3/4" (12.9001)		2	2	2	2			2		2	2	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2					2	2		2			2
	103342	WASHER, 7/16" (12.9190)	2					2	2		2			2
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2	2			2		2	2	
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		5.4100 - SHAFT, FAN												
4C	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4
4C	**5108436**	WASHER, 15/32" (7.1598)	4	4	4	4	4	4	4	4	4	4	4	4
4C	**103322**	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4

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5.4000A FAN

PART G NUMBER	NAME AND DESCRIPTION	TYPES 1165	1167	1168	1169	1171	1172	1173	1175	1176	1177	1179	1180
	5.4180 - CAP AND SPACER, FAN HUB												
4C **5103676**	SPACER (.56" THICK)	3	2	1		1	1		3		3		
	5.4290 - SCREW, FAN BRACKET ADJUSTING												
5108434	BOLT, 5/16"-18X5"	1					1	1		1			1
4C **5109642**	BOLT, 5/16"-18 X 7" ADJ.		1	1	1	1			1		1	1	
4C **120393**	WASHER, 5/16" (12.9190)	1	1	1	1	1			1	1	1	1	1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1181	1183	1184	1186	1187	1189	1190	1191	1192	1193	1194	1212	1223
		5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED													
	NPN	BLADE, CUSTOMER FURNISHED		1					1		1				
4A	**5173871**	BLADE, 22"-6 BLADE, BLOWER	1												
4A	**5171228**	BLADE, 26"-6 BLADE, SUCTION			1										
4A	**5100183**	BLADE, 24"-6 BLADE, BLOWER				1	1								
4A	**5128508**	BLADE, 24"-6 BLADE, BLOWER						1							
4A	**5171229**	BLADE, 26"-6 BLADE, BLOWER								1					
4A	**5106199**	BLADE, 22"-5 BLADE, BLOWER										1			1
4A	**5172003**	BLADE, 26"-6 BLADE, BLOWER											1		
4A	**5173872**	BLADE, 22"-6 BLADE, SUCTION												1	
4A	**186629**	BOLT, 5/16"-18X1" (12.9001)								6					
4A	**186648**	BOLT, 5/16"-18X1 7/8" (12.9001)												6	6
4A	**179826**	BOLT, 5/16"-18X2" (12.9001)					6								
4A	**271485**	BOLT, 5/16"-18X2 3/8" (12.9001)										6			
4A	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)						6					6		
4A	**179829**	BOLT, 5/16"-18X2 3/4" (12.9001)			6										
4A	**179830**	BOLT, 5/16"-18X3" (12.9001)	6												
4A	**179830**	BOLT, 5/16"-18X3" (12.9001)				6									
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	6		6	6	6	6		6		6	6	6	6
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.													
	NPN	PULLEY ASSY. (CUSTOMER FURNISHED)									1				
	5103347	PULLEY ASSY. (PAGE E1)	1	1	1	1	1	1					1		
	5103594	PULLEY ASSY. (PAGE E1)							1						
	5103418	PULLEY ASSY. (PAGE E1)								1					
	5145534	+ PULLEY ASSY. (PAGE D1) (5103512)										1		1	1
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES.													
		5.4025 - SUPPORT, FAN MOUNTING													
4A	**5126868**	SUPPORT									1				
4C	**5109640**	SUPPORT		1	1	1	1	1	1	1			1		
	8921343	SUPPORT										2			
	5141945	SUPPORT	1												
	5108945	SUPPORT												2	2
	5101580	SPACER						1							
	5101661	SPACER						1							
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)									3				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)									2				
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)									2				
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)												4	4
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)										4			
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2	2	2	2	2		2	2			2		
	186290	BOLT, 3/8"-16X6" (12.9001)						2							

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1181	1183	1184	1186	1187	1189	1190	1191	1192	1193	1194	1212	1223
		5.4025 - SUPPORT, FAN MOUNTING (CONT'D)													
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		2	2	2	2		2	2			2		
	100152	BOLT, 7/16"-14X3" (12.9001)						2							
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	2												
	103321	LOCKWASHER, 3/8" (12.9200)									4	4		4	4
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2			2		
		5.4090 - BRACKET, FAN SHAFT													
4C	5109641	BRACKET		1	1	1	1	1	1				1		
	5134618	BRACKET	1							1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)		2	2	2		2	2				2		
	179856	BOLT, 7/16"-14X3/4" (12.9001)		2	2	2	2	2	2				2		
	179858	BOLT, 7/16"-14X1" (12.9001)								2					
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)	2												
	103342	WASHER, 7/16" (12.9190)	2							2					
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	2		2	2				2		
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2			2		
		5.4100 - SHAFT, FAN													
	5103370	SHAFT									1				
	7450941	BEARING (5.4110)									1				
	903206	BEARING (5.4110)									1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										4		4	4
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4	4	4	4	4	4			4		
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)										4		4	4
4C	5108436	SPACER, 15/32"X15/16"X5/32" (7.1598)	4	4	4	4	4	4	4	4			4		
	103321	LOCKWASHER, 3/8" (12.9200)										4		4	4
4C	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4			4		
		5.4140 - RETAINER, FAN SHAFT BEARING													
	9409060	BOLT, 1/2"-20 X 1 1/2" LOCK (12.9001)									1				
	5104317	WASHER (5.4235)									1				
		5.4150 - SEAL, FAN SHAFT													
	5103951	SEAL									1				
		5.4180 - CAP AND SPACER, FAN HUB													
	5102475	CAP, W/1/8" PIPE THREAD									1				
4C	5103676	SPACER, .56" THICK	2	2	2	1		3					3		
	5103671	SPACER, .80" THICK										1			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1181	1183	1184	1186	1187	1189	1190	1191	1192	1193	1194	1212	1223
		5.4180 - CAP AND SPACER, FAN HUB (CONT'D)													
4B,C	**5103718**	SPACER, .80" THICK	1		1	2	1		2		1			1	1
	455322	FITTING LUBE RELIEF (12.9540)									1				
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)		6											
	103320	LOCKWASHER, 5/16" (12.9200)		6											
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
	5108434	BOLT, 5/16"-18X5"	1							1					
4C	**5109642**	BOLT, 5/16-18 X 7" ADJ.		1	1	1	1	1	1				1		
4C	**120393**	WASHER, 5/16 (12.9190)	1	1	1	1	1	1	1				1		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12255	12266	13189	13192	13201	13413	13533	13933	13955	13966	13977	13988
		5.4010 - BLADE, FAN												
	NPN	BLADE (CUSTOMER FURNISHED)			1					1	1			
4A	5177871	BLADE, 28" -6 BLADE, SUCTION	1											
4A	5173871	BLADE, 22" -6 BLADE, BLOWER		1										
4A	5173872	BLADE, 22" -6 BLADE, SUCTION			1			1						
4A	5100183	BLADE, 24" -6 BLADE, BLOWER					1							
4A	5124701	BLADE, 24"-6 BLADE, SUCTION							1					
4A	5119014	BLADE, 22"-5 BLADE, BLOWER										1		
4A	5171229	BLADE, 26"-6 BLADE, SUCTION											1	
4A	5106357	BLADE, 22"-6 BLADE, SUCTION												1
4A	186625	BOLT, 5/16"-18 X 7/8" (12.9001)							4			4		
4A	186629	BOLT, 5/16"-18X1" (12.9001)		4				4						
4A	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)												6
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)			4									
4A	179824	BOLT, 5/16"-18X1 3/4" (12.9001)												
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	6											
4A	186643	BOLT, 5/16"-18 X 2 1/16" (12.9001)											6	
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)					6							
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	4	4		6	4	4			4	6	6
		5.4015 - PULLEY AND HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.												
	5170456	* PULLEY ASSY. (PAGE A1)		1										
	5103594	PULLEY ASSY. (PAGE E1)	1											
	5103347	PULLEY ASSY. (PAGE E1)					1							
	5170472	PULLEY ASSY. (PAGE B1)				1								
	5122869	PULLEY ASSY. (PAGE A1)			1									
	5132601	PULLEY ASSY. (PAGE A1)						1		1				
	5122868	PULLEY ASSY. (PAGE A1)							1					
	5126502	PULLEY ASSY. (PAGE A1)										1		
	5103346	PULLEY ASSY. (PAGE E1)											1	
	5103512	PULLEY ASSY. (PAGE E1)												1
	5140790	PULLEY ASSY. (PAGE B1)									1			
		* NOT SERVICED, FOR SERVICE USE COMPONENTS.												
		5.4025 - SUPPORT, FAN MOUNTING												
4C	5109640	SUPPORT	1				1						1	
4A	5126868	SUPPORT		1	1	1		1	1	1	1	1		
	5108945	SUPPORT												2
	9409079	BOLT, 3/8"-16 X 7/8" (12.9001)								2				
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)		2	2	2		2	2	2	2	2		
	9409215	BOLT, 3/8"-16 X 1 1/4" (12.9001)						3		1				
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)		3	3	3			3		3	3		4
	186282	BOLT, 3/8"-16 X 3 1/4" (12.9001)		2	2	2		2	2	2	2	2		
	272429	BOLT, 3/8"-16 X 4 1/8" (12.9001)												4
	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2				2						2	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4				4						4	
	427567	BOLT 7/16"-14X1 3/4" (12.9001)	2				2						2	
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)	4				4						4	
	103321	LOCKWASHER, 3/8" (12.9200)		7	7	7		4	7	4	7	7		8
	103322	LOCKWASHER, 7/16" (12.9200)	6				6						6	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12225	12226	13189	13190	13201	13415	13533	13939	13955	13966	13977	13998
		5.4090 - BRACKET, FAN SHAFT												
4C	**5109641**	BRACKET	1				1						1	
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)		3	3	3		3	3	3	3	3		4
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)	2				2						2	
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)	2				2						2	
4C	**103321**	LOCKWASHER, 3/8" (12.9200)	2				2						2	
4C	**103322**	LOCKWASHER, 7/16" (12.9200)	2				2						2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12255	12266	13181	13191	13201	13411	13531	13933	13955	13966	13977	13988
		5.4180 - CAP AND SPACER, FAN HUB												
	5125022	SPACER (.88" THICK)			1									
4B,C	5103718	SPACER (.80" THICK)	2				1							
4C	5103676	SPACER (.56" THICK)					1						2	
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	5109642	BOLT, 5/16"-18X7" ADJ.	1				1						1	
4C	120393	WASHER, 5/16" (12.9190)	1				1						1	
		5.4325 - IDLER PULLEY, FAN BELT WITH ADJUSTING ARM												
	5136623	ARM											1	
	5137548	GUIDE											1	
	181350	BOLT, 5/16"-24 X 2 3/4" (12.9001)											1	
	187234	BOLT, 3/8"-24 X 2 7/8" (12.9001)											1	
	5137237	WASHER, 3/16" X 1 3/8" (5.4337)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	114493	NUT, 5/16"-24 (12.9120)											1	
	103026	NUT, 3/8"-24 (12.9120)											1	
		5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING												
	5137740	DEFLECTOR AND BUSHING ASSY.											1	
	5137609	SLEEVE											1	
	9409023	BOLT, 5/16"-24 X 1 3/4" (12.9001)											1	
	5171344	WASHER, 5/16" (2.8830)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
		5.4347 - SUPPORT ASSY., FAN BELT IDLER PULLEY												
	5137031	SUPPORT											1	
	5137625	HUB											1	
	186654	BOLT, 5/16"-24 X 1 1/8" (12.9001)											1	
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)											1	
	186626	BOLT, 7/16"-14 X 1 5/8" (12.9001)											1	
	191309	BOLT, 7/16"-14 X 2 1/8" (12.9001)											1	
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	114493	NUT, 5/16"-24 (12.9120)											1	
		5.4353 - SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT												
	5136654	SPRING											1	
	5137768	SPRING											1	
		5.4355 - BRACKET, FAN BELT IDLER PULLEY SPRING												
	5137040	BRACKET											1	
	427588	BOLT, 3/8"-16 X 2 1/2" (12.9001)											2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14000	14001	14003	14004	14006	14008	14012	14018	14019	14020	14021	14024	14025	7
		5.4010 - BLADE, FAN														
	NPN	BLADE (CUSTOMER FURNISHED)	1	1		1		1		1	1	1	1			
4A	5162837	BLADE, 22"-5 BLADE, SUCTION			1		1									
4A	5124701	BLADE, 24"-6 BLADE, SUCTION							1					1		
4A	5177766	BLADE, 26"-6 BLADE, SUCTION													1	
4A	5106199	BLADE, 22"-5 BLADE, BLOWER														1
4A	5171228	BLADE, 26"-6 BLADE, SUCTION			4		4									
4A	186629	BOLT, 5/16"-18X1" (12.9001)							4							6
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)													6	
4A	179819	BOLT, 5/16"-18 X 1 1/8" (12.9001)												4		
4A	179824	BOLT, 5/16"-18 X 1 3/4" (12.9001)			4		4		4					4	6	6
4A	103320	LOCKWASHER, 5/16" (12.9200)														
		5.4015 - PULLEY AND HUB ASSY., FAN														
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.														
	5100984	+ PULLEY ASSY. (5103345)	1													
	5103345	PULLEY ASSY. (PAGE E1)		1												
	5170456	‡ PULLEY ASSY. (PAGE A1)			1											
	5122868	PULLEY ASSY. (PAGE A1)				1										
	5170472	PULLEY ASSY. (PAGE B1)					1		1							
	5126502	PULLEY ASSY. (PAGE A1)						1				1				
	5122869	PULLEY ASSY. (PAGE A1)								1				1		
	5132601	PULLEY ASSY. (PAGE A1)									1					
	5103512	PULLEY ASSY. (PAGE E1)											1			1
	5103347	PULLEY ASSY. (PAGE E1)														
		‡ NOT SERVICED, USE 5116483 PULLEY, 905619 BEARING, 5140234 BRACKET.														
		+ NOT SERVICED, USE PART NUMBER IN PARENTHESES.														
		5.4025 - SUPPORT, FAN MOUNTING														
4A	5126868	SUPPORT	1	1	1		1	1	1	1	1	1	2	1		
	8921343	SUPPORT													2	
	5108945	SUPPORT														1
4C	5109640	SUPPORT														
4A,C	5108436	SPACER, 15/32" X 15/16" X 5/32" (7.1598)	4	4												4
	5164294	SPACER, 7/8" X 13/32" X 1/8" (7.1581)			3	3	3	3	3	3	3	3	4	3	4	
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			2	2	2	2	2	2	2	2		2		
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)			3	3	3	3	3	3	3	3	4	3	4	
	186282	BOLT, 3/8"-16 X 3 1/4" (12.9001)			2	2	2	2	2	2	2	2		2		
	272429	BOLT, 3/8"-16 X 4 1/8" (12.9001)											4		4	
	450517	BOLT, 3/8"-16 X 4 3/4" (12.9001)	2	2												2
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)	4	4												4
	427567	BOLT, 7/16"-14 X 1 3/4" (12.9001)	2	2												2
	103341	WASHER, 3/8" (12.9190)				3				3		3				
	103321	LOCKWASHER, 3/8" (12.9200)			7	7	7	7	7	7	7	7	8	7	8	
	103322	LOCKWASHER, 7/16" (12.9200)	6	6												6

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14000	14001	14003	14004	14006	14008	14012	14018	14019	14020	14021	14024	14025	14027
		5.4090 - BRACKET, FAN SHAFT														
4C	**5109641**	BRACKET	1	1												
	5134618	BRACKET														1
4C	**179837**	BOLT, 3/8"-16 X 3/4" (12.9001)	2	2												
4C	**179856**	BOLT, 7/16"-14 X 3/4" (12.9001)	2	2												
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)														2
4C	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2												
4C	**103322**	LOCKWASHER, 7/16" (12.9200)	2	2												
	103342	WASHER, 7/16" (12.9190)														2
																2
		5.4180 - CAP AND SPACER, FAN HUB														
	5125022	CAP AND SPACER ASSY. (INCLUDES CAP)												1		
		5.4290 - SCREW, FAN BRACKET ADJUSTING														
	5108434	BOLT, 5/16"-18 X 5" SPL.														1
4C	**5109642**	BOLT, 5/16"-18 X 7" SPL.	1	1												
4C	**120393**	WASHER, 5/16" (12.9190)	1	1												

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1440	1442	1444	1446	1447	1466	1467	1474	1475	1480	1481	1484	1486
		5.4010 - BLADE, FAN													
	NPN	BLADE (CUSTOMER FURNISHED)				1			1		1	1			
4A	5171228	BLADE, 26"-6 BLADE, SUCTION	1												
4A	5100183	BLADE, 24"-6 BLADE, SUCTION		1				1							
4A	5106199	BLADE, 24"-5 BLADE, SUCTION			1								1		1
4A	5171229	BLADE, 26"-6 BLADE, SUCTION					1								
4A	5145212	BLADE, 20"-6 BLADE, SUCTION								1					
	5177766	BLADE, 26"-6 BLADE, SUCTION												1	
4A	186270	BOLT, 5/16"-18 X 3 1/2" (12.9001)	6												
4A	179828	BOLT, 5/16"-18 X 2 1/2" (12.9001)			6									6	
4A	186625	BOLT, 5/16"-18 X 7/8" (12.9001)					6	6							4
4A	186629	BOLT, 5/16"-18 X 1" (12.9001)								6					
4A	186648	BOLT, 5/16"-18 X 1 7/8" (12.9001)											6		
4A	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)		6											
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6		6	6		6			6	6	4
		5.4015 - PULLEY AND HUB ASSY. FAN													
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.													
	5103345	PULLEY ASSY. (PAGE E1)	1								1				
	5103512	PULLEY ASSY. (PAGE E1)		1	1					1			1	1	
	5170456	% PULLEY ASSY. (PAGE A1)				1									
	5103347	PULLEY ASSY. (PAGE E1)					1								
	5103352	PULLEY ASSY. (PAGE E1)						1							
	5103594	PULLEY ASSY. (PAGE E1)							1						
	5103349	PULLEY ASSY. (PAGE E1)										1			
	5149517	PULLEY ASSY. (PAGE E1)													1
		% NOT SERVICED, USE COMPONENTS.													
		5.4025 - SUPPORT, FAN MOUNTING													
4C	5109640	SUPPORT	1									1			
	5108945	SUPPORT		2	2			2		2			2	2	
4A	5126868	SUPPORT				1									1
	5141945	SUPPORT					1		1		1				
4C	5108436	SPACER, 15/32" X 15/16" X 5/32" (7.1598)	4				4		4			4			
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		4	4	3		4		4	4		4	4	3
	427567	BOLT, 7/16"-14 X 1 3/4" (12.9001)	2									2			
	272429	BOLT, 3/8"-16 X 4 1/8" (12.9001)		4	4			4	4				4	4	
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)				2									2
	186282	BOLT, 3/8"-16 X 3 1/4" (12.9001)				2									2
	179871	BOLT, 7/16"-14 X 3 1/4" (12.9001)					2		2		2				
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)		4	4	3		4		4			4	4	3
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9200)	4		4		4		2		4	4			
	450517	BOLT, 3/8"-16 X 4 3/4" (12.9001)	2				2				2	2			
	103321	LOCKWASHER, 3/8" (12.9200)		8	8	7		8		8			8	8	7
	103322	LOCKWASHER, 7/16" (12.9200)	6				6		6		6	6			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1440	1442	1444	1446	1447	1466	1467	1474	1475	1480	1481	1484	1486
		5.4090 - BRACKET, FAN SHAFT													
4C	**5109641**	BRACKET	1									1			
	5134618	BRACKET					1		1		1				
	179856	BOLT, 7/16"-14 X 3/4" (12.9001)	2									2			
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)	2												
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)					2		2		2				
	103321	LOCKWASHER, 3/8" (12.9200)	2												
	103322	LOCKWASHER, 7/16" (12.9200)	2				2		2		2	2			
	103341	WASHER, 3/8" (12.9190)					2								
	103342	WASHER, 7/16" (12.9190)							2		2				
		5.4180 - CAP AND SPACER, FAN HUB													
4B,C	**5103718**	SPACER, .80" THICK	3	1	1			2						2	
4C	**5103676**	SPACER, .56" THICK		1	1										
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
4C	**5109642**	BOLT, 5/16"-18 X 7" SPL. (12.9001)	1									1			
	5108434	BOLT, 5/16"-18 X 5" SPL. (12.9001)					1		1		1				
	120393	WASHER, 5/16" (12.9190)	1				1		1		1	1			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14906	15000	15006	15007	15008	15009	15010	15011	15012	15013	15016	15019	15020
		5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED													
	NPN	BLADE (CUSTOMER FURNISHED)										1	1		
4A	5177766	BLADE, 26"-6 BLADE, SUCTION	1												
4A	5162837	BLADE, 22"-5 BLADE, SUCTION		1				1							
4A	5173872	BLADE, 22"-6 BLADE, SUCTION			1										
4A	5128508	BLADE, 24"-6 BLADE, SUCTION				1									
4A	5106357	BLADE, 22"-6 BLADE, SUCTION					1								
4A	5175738	BLADE, 28"-6 BLADE, SUCTION							1						
4A	5124701	BLADE, 24"-6 BLADE, SUCTION								1					
4A	5140100	BLADE, 24"-6 BLADE, BLOWER									1				
4A	5171228	BLADE, 26"-6 BLADE, SUCTION												1	1
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	6									6			
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)		4							6				
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)			4										
4A	186271	BOLT, 5/16"-18X3 3/4" (12.9001)				6									
4A	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					6							6	6
4A	179822	BOLT, 5/16"-18X1 1/2" (12.9001)						6							
4A	179830	BOLT, 5/16"-18X1 5/8" (12.9001)							6						
4A	179829	BOLT, 5/16"-18X2 1/2" (12.9001)								4					
4A	186629	BOLT, 5/16"-18X1" (12.9001)													
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	4	4	6	6	6	6	4	6	6		6	6
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.													
	8921168	PULLEY ASSY. (PAGE E1)	1											1	
4A	5122869	PULLEY ASSY. (PAGE A1)		1											
	5170456	% PULLEY ASSY. (PAGE A1)			1					1					1
	5103512	PULLEY ASSY. (PAGE E1)				1					1				
	5103352	PULLEY ASSY. (PAGE E1)					1								
	5103347	PULLEY ASSY. (PAGE E1)						1							
	5103345	PULLEY ASSY. (PAGE E1)							1						
	5103349	PULLEY ASSY. (PAGE E1)										1			
	5104361	PULLEY ASSY. (PAGE E1)											1		
		% NOT SERVICED, USE COMPONENTS.													
		5.4025 - SUPPORT, FAN MOUNTING													
	5108945	SUPPORT	2			2	2							2	2
4A	5126868	SUPPORT		1	1					1					
4C	5109640	SUPPORT						1	1			1	1		
	8921343	SUPPORT									2				
4A	5164294	SPACER, 7/8"-13/32"X1/8" (7.1581)	4	3	3	4	4			3	4			4	4
4A	272429	BOLT, 3/8"-16X4 1/8" (12.9001)	4			4	4				4			4	4
4A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	4	3	3	4	4			3	4			4	4
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2	2					2					
4A	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		2	2					2					
4C	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						2	2			2	2		
4C	450517	BOLT, 3/8"-16X4 3/4" (12.9001)						2	2			2	2		
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						4	4			4	4		
4C	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)						4	4			4	4		
4A	103321	LOCKWASHER, 3/8" (12.9200)	8	7	7	8	8			7	8			8	8
4C	103322	LOCKWASHER, 7/16" (12.9200)						6	6			6	6		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14906	15000	15006	15007	15008	15009	15010	15011	15012	15013	15016	15019	15020
		5.4180 - CAP AND SPACER, FAN HUB													
4B,C	**5103718**	SPACER, .80" THICK	2					2	1		1	1	1		
4B	**5147472**	SPACER, .32" THICK		3											
4B	**5103676**	SPACER, .56" THICK				3			1			1	2	1	1
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
4B	**5134618**	BRACKET						1							
4C	**5109641**	BRACKET							1			1	1		
4C	**5108434**	BOLT, 5/16"-18X5" SPL. (12.9001)						1							
4A	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)						2							
4A	**179837**	BOLT, 3/8"-16X3/4" (12.9001)							2				2		
4A	**179856**	BOLT, 7/16"-14X3/4" (12.9001)							2			2	2		
4A	**103342**	WASHER, 7/16" (12.9190)						2							
4C	**120393**	WASHER, 5/16" (12.9190)							1			1	1		
4A	**103322**	LOCKWASHER, 7/16" (12.9200)						2	2			2	2		
4A	**103321**	LOCKWASHER, 3/8" (12.9200)							2				2		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1521	1522	1523	1524	1526	1529	1530	1535	1553	1554	1555	1569	1576
		5.4010 - BLADE, FAN HIGH LOW AND CRANKSHAFT MOUNTED													
4A	**5177871**	BLADE, 28"-6 BLADE, SUCTION	1	1			1								
4A	**5162837**	BLADE, 22"-5 BLADE, SUCTION			1					1		1			
4A	**5100183**	BLADE, 24"-6 BLADE, BLOWER				1									
4A	**5128508**	BLADE, 24"-6 BLADE, SUCTION						1						1	
4A	**5145212**	BLADE, 20"-6 BLADE, BLOWER							1						
4A	**5172003**	BLADE, 26"-6 BLADE, BLOWER									1				
4A	**5106199**	BLADE, 22"-5 BLADE, BLOWER											1		
4A	**5124701**	BLADE, 24"-6 BLADE, SUCTION													1
4A	**179823**	BOLT, 5/16"-18X1 5/8" (12.9001)	6	6											
4A	**186625**	BOLT, 5/16"X18X7/8 (12.9001)							4	4					
4A	**186648**	BOLT, 5/16"-18X1 7/8" (12.9001)										6	6		
4A	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)			4									6	
4A	**180082**	BOLT, 5/16"-18X1 3/8" (12.9001)				6									
4A	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)					6	6							4
4A	**179828**	BOLT, 5/16"-18X2 1/2" (12.9001)									4				
4A	**179824**	BOLT, 5/16"-18X1 3/4" (12.9001)													
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	6	6	4	6	6	6	4	4	4	6	6	6	4
		5.4015 - PULLEY AND HUB ASSY., FAN													
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.													
	5103346	PULLEY ASSY (E1)	1												
	5103350	PULLEY ASSY. (E1)		1											
	5122869	PULLEY ASSY. (A1)			1						1				
	5103512	PULLEY ASSY. (E1)				1		1				1	1		
	5103345	PULLEY ASSY. (E1)					1								
	5170456	# PULLEY ASSY. (A1)							1						
	5122868	PULLEY ASSY. (A1)								1					
	5103347	PULLEY ASSY. (E1)												1	
	5132601	PULLEY ASSY. (A1)													1
		# NOT SERVICED, USE COMPONENTS. SEE ASSEMBLY BREAKDOWN.													
		5.4025 - SUPPORT, FAN MOUNTING													
4A	**5126868**	SUPPORT			1				1	1	1	2			1
	8921343	SUPPORT				2									
4C	**5109640**	SUPPORT	1	1			1							1	
	5108945	SUPPORT						2					2		
4A,B	**5164294**	SPACER, 13/32"X7/8"X1/8" (7.1581)			3	4		4	3	3	3	4	4		3
4A	**9409079**	BOLT, 3/8"-16X7/8" (12.9001)													2
4A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			2				2	2	2				2
4A	**9409215**	BOLT, 3/8"-16X1 1/4" (12.9001)													1
4A	**186282**	BOLT, 3/8"-16X3 1/4" (12.9001)			2				2	2	2				2
4A,B	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)			3	4		4	3	2	3	4	4		
4B	**272429**	BOLT, 3/8"-16X4 1/8" (12.9001)				4		4				4	4		
4C	**450517**	BOLT, 3/8"-16X4 3/4" (12.9001)	2	2			2							2	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4											
4C	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)	2	2			2							2	
4C	**5108436**	WASHER, 15/32"X15/16"X5/32" (7.1598)	4	4											
4B,C	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6			2							2	
4A,B	**103321**	LOCKWASHER, 3/8" (12.9200)			7	8		8	7	7	7	8	8		4

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15211	15222	15223	15224	15226	15229	15230	15235	15253	15254	15255	15269	15276
		5.4100 - SHAFT, FAN													
4C	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)					4							4	
4C	**5108436**	WASHER, 15/32"X15/16"X5/32" (7.1598)					4							4	
4C	**103322**	LOCKWASHER, 7/16" (12.9200)					4							4	
		5.4180 - CAP AND SPACER, FAN HUB													
4C	**5103676**	SPACER, .56" THK.	1			1		2						1	
4B	**5131536**	SPACER AND CAP ASSY. (INCLUDES CAP)			1										
4B,C	**5103718**	SPACER, .80" THK.		1		1	2					1	1		
4B	**5125022**	SPACER AND CAP ASM (INCLUDES CAP)									1				2
4B	**5125021**	CAP (SPACER)			1						1				2
		5.4290 - SCREW, FAN BRACKET ADJUSTING													
4C	**5109641**	BRACKET	1	1			1								
4C	**5134618**	BRACKET												1	
	5108434	BOLT, 5/16"-18X5"												1	
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)	2	2			2								
4C	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)												2	
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)	2	2			2								
4C	**5109642**	BOLT, 5/16"-18X7"					1								
4C	**103342**	WASHER, 7/16" (12.9190)												2	
	120393	WASHER, 5/16" (12.9190)					1								
4C	**103321**	LOCKWASHER, 3/8" (12.9200)	2	2			2								
4C	**103322**	LOCKWASHER, 7/16" (12.9200)	2	2			2							2	

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1580	1584	1585	1587	1593	1594	1595	1598	1599	1601	1602	1603
		5.4010 - BLADE, FAN												
	NPN	BLADE, CUSTOMER FURNISHED			1				1					
4A	5175738	BLADE, 28"-6 BLADE, BLOWER	1											
4A	5171228	BLADE, 26"-6 BLADE, SUCTION		1										
4A	5100183	BLADE, 24"-6 BLADE, BLOWER				1								
4A	5173871	BLADE, 22"-6 BLADE, BLOWER					1			1				
4A	5162837	BLADE, 22"-5 BLADE, SUCTION						1			1			
4A	5172003	BLADE, 26"-6 BLADE, BLOWER										1		
4A	5177871	BLADE, 28"-6 BLADE, SUCTION											1	
4A	186625	BOLT, 5/16"-18X7/8" (12.9001)								4				
4A	186629	BOLT, 5/16"-18X1" (12.9001)										6		
4A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)			6									
4A	179822	BOLT, 5/16"-18X1 1/2" (12.9001)		6					6					6
4A	179823	BOLT, 5/16"-18X1 5/8" (12.9001)					6							
4A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)				6								
4A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)									6			
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)											6	
4A	179829	BOLT, 5/16"-18X2 3/4" (12.9001)						6						
4A	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	6											
4A	103320	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6	4	6	6	6	6
		5.4015 - PULLEY AND HUB ASSY. FAN												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.												
	5103345	PULLEY ASSY. (PAGE E1)	1		1		1					1		
	5103347	PULLEY ASSY. (PAGE E1)		1										
	5103512	PULLEY ASSY. (PAGE E1)				1								
	5147085	PULLEY ASSY. (PAGE D1)						1			1			
	8921168	PULLEY ASSY. (PAGE E1)							1					1
	5136886	PULLEY ASSY. (PAGE C1)								1				
	5103594	PULLEY ASSY. (PAGE E1)											1	
		5.4025 - SUPPORT, FAN MOUNTING												
4C	5109640	SUPPORT	1		1		1					1		
	5141945	SUPPORT		1									1	
	5108945	SUPPORT				2			2					2
4A	5126868	SUPPORT						1		1	1			
	5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)				4		3	4	3	3			4
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2		2	2			
4A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				4		3	4	3	3			4
4A	186282	BOLT, 3/8"-16X3 1/4" (12.9001)						2		2	2			
4A	272429	BOLT, 3/8"-16X4 1/8" (12.9001)				4			4					4
4C	450517	BOLT, 3/8"-16X4 3/4" (12.9001)	2	2	2		2					2	2	
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4		4					4	4	
4C	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	2		2		2					2		
4C	179871	BOLT, 7/16"-14X3 1/4" (12.9001)		2									2	
4C	5108436	WASHER, 15/32"X15/16"X5/32" (7.1598)	4	4	4		4					4	4	
4A	103321	LOCKWASHER, 3/8" (12.9200)				8		7	8	7	7			8
4C	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6		6					4	6	
		5.4180 - CAP AND SPACER, FAN HUB												
4B,C	5103718	SPACER, .80" THK.	3		1	1		1			1		2	
4C	5103676	SPACER, .56" THK.		1			1	2	1		1			1

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15801	15804	15805	15807	15933	15944	15955	15998	15999	16001	16002	16003
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	**5109641**	BRACKET	1				1					1		
4C	**5134618**	BRACKET		1	1								1	
	5108434	BOLT, 5/16"-18X5"		1	1								1	
4C	**5109642**	BOLT, 5/16"-18X7"	1				1					1		
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)	2				2					2		
4C	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)		2	2								2	
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)	2				2					2		
	120393	WASHER, 5/16" (12.9190)	1	1			1					1	1	
4C	**103342**	WASHER, 7/16" (12.9190)		2	2								2	
4C	**103321**	LOCKWASHER, 3/8" (12.9200)	2				2					2		
4C	**103322**	LOCKWASHER, 7/16" (12.9200)	2	2	2		2					2	2	
		5.4325 - IDLER PULLEY, FAN BELT												
	5137548	GUIDE								1				
	181350	BOLT, 5/16"-24X2 3/4" (12.9001)								1				
	103320	LOCKWASHER, 5/16" (12.9200)								1				
	114493	NUT, 5/16"-24 (12.9120)								1				
		5.4337 - BRACKET, FAN BELT IDLER PULLEY												
	5136445	BRACKET								1				
	5178895	SPACER, .40"X7/8"X.40" (7.1585)								2				
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)								1				
	455537	BOLT, 3/8"-16X4" (12.9001)								2				
	114493	NUT, 5/16"-24 (12.9120)								1				
		5.4343 - ARM, FAN BELT IDLER PULLEY ADJUSTING												
	5136623	ARM ASSY. (INCLUDES ARM, PULLEY, SHAFT AND BUSHING, NOT SOLD SEPARATELY								1				
		5.4347 - SUPPORT ASSY., FAN BELT IDLER PULLEY												
	5136653	HUB								1				
	9418964	BOLT, 3/8"-16X5" (12.9001)								1				
	5139928	WASHER, .10"X1 3/8" (5.4337)								1				
		5.4353 - SPRING, FAN BELT IDLER PULLEY SUPPORT SHAFT												
	5136654	SPRING								1				
	5136439	BRACKET, IDLER PULLEY SPRING								1				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1604	1610	1611	1613	1614	1615	1617	1618	1625	1626	1631	1632
		5.4010 - BLADE, FAN												
	NPN	BLADE, CUSTOMER FURNISHED				1				1				
4A	**5172003**	BLADE, 26"-6 BLADE, BLOWER	1											
4A	**5106199**	BLADE, 22"-5 BLADE, SUCTION		1										
4A	**5100183**	BLADE, 24"-6 BLADE, BLOWER			1								1	
4A	**5140100**	BLADE, 22"-6 BLADE, BLOWER					1							
4A	**5171229**	BLADE, 26"-6 BLADE, L.H. SUCTION; R.H. BLOWER						1			1			
4A	**5145773**	BLADE, 18"-6 BLADE, SUCTION							1			1		
4A	**5173430**	BLADE, 26"-4 BLADE, BLOWER												1
4A	**186625**	BOLT, 5/16"-18X7/8" (12.9001)					4							
4A	**186629**	BOLT, 5/16"-18X1" (12.9001)							6			6		
4A	**179822**	BOLT, 5/16"-18X1 1/2" (12.9001)		1	6			6						
4A	**179824**	BOLT, 5/16"-18X1 3/4" (12.9001)	6											4
4A	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)									6			
4A	**179830**	BOLT, 5/16"-18X3" (12.9001)											6	
4A	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)								6				
4A	**103320**	LOCKWASHER, 5/16" (12.9200)	6	6	6		4	6	6	6	6	6	4	
		5.4015 - PULLEY AND HUB ASSY., FAN												
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.												
	8921168	PULLEY ASSY. (PAGE E1)	1								1			
	5103512	PULLEY ASSY. (PAGE E1)		1	1			1		1		1	1	
	5103345	PULLEY ASSY. (PAGE E1)				1								
	5132601	PULLEY ASSY. (PAGE A1)					1							1
	5103352	PULLEY ASSY. (PAGE E1)							1					
		5.4025 - SUPPORT, FAN MOUNTING												
4A	**5108945**	SUPPORT	2	2	2			2		2	2		2	
4C	**5109640**	SUPPORT				1								
4A	**5126868**	SUPPORT					1							1
4A	**8921343**	SUPPORT							2			2		
	5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)	4	4	4		3	4	4	4	4	4	4	3
4C	**186270**	BOLT, 5/16"-18X3 1/2" (12.9001)				6								2
4A	**9409079**	BOLT, 3/8"-16X7/8" (12.9001)												1
4A	**9409215**	BOLT, 3/8"-16X1 1/4" (12.9001)												2
4A	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)					2							
4A	**186612**	BOLT, 3/8"-16X1 3/8" (12.9001)	4	4	4		3	4	4	4	4	4	4	
4A	**186282**	BOLT, 3/8"-16X3 1/4" (12.9001)					2							2
4A	**272429**	BOLT, 3/8"-16X4 1/8" (12.9001)	4	4	4			4	4	4	4	4	4	
4C	**450517**	BOLT, 3/8"-16X4 3/4" (12.9001)				2								
4C	**427564**	BOLT, 7/16"-14X1 3/8" (12.9001)				4								
4C	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)				2								
4C	**5108436**	WASHER, 15/32" (7.1598)				4								
4C	**103320**	LOCKWASHER, 5/16" (12.9200)				6								
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	8	8	8	2	7	8	8	8	8	8	8	4
4C	**103322**	LOCKWASHER, 7/16" (12.9200)				6								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16044	16110	16111	16113	16114	16115	16117	16118	16225	16226	16311	16312
		5.4180 - CAP AND SPACER, FAN HUB												
	5125022	CAP AND SPACER ASSY., .88" THK. *(INCLUDES CAP)*												1
4B	**5103718**	SPACER, .80" THK.	1			3				3			1	
4C	**5103676**	SPACER, .56" THK.		1	1			1			2		2	
	5125021	CAP (SPACER)												1
		5.4290 - SCREW, FAN BRACKET ADJUSTING												
4C	**5109641**	BRACKET				1								
4C	**5109642**	BOLT, 5/16"-18X7" SPL.				1								
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)				2								
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)				2								
4C	**120393**	WASHER, 5/16" (12.9190)				1								
4C	**103322**	LOCKWASHER, 7/16" (12.9200)				2								

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16331	16334	16335	16337	16338	16339	16340
		5.4010 - BLADE, FAN							
	NPN	BLADE, CUSTOMER FURNISHED			1				
4A	5177766	BLADE, 26"-6 BLADE, SUCTION	1				1		
4A	5100183	BLADE, 24"-6 BLADE, BLOWER		1					
4A	5172003	BLADE, 26"-6 BLADE, BLOWER				1			
4A	5106199	BLADE, 22"-5 BLADE, BLOWER						1	
4A	5145773	BLADE, 18"-6 BLADE, SUCTION							1
4A	186629	BOLT, 5/16"-18X1" (12.9001)							6
4A	186643	BOLT, 5/16"-18X2 1/16" (12.9001)	4						
4A	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		6				6	
4A	179828	BOLT, 5/16"-18X2 1/2" (12.9001)				6			
4A	103320	LOCKWASHER, 5/16" (12.9200)	4	6		6		6	
		5.4015 - PULLEY AND HUB ASSY., FAN							
		SEE ASSEMBLY BREAKDOWN PAGE AS INDICATED BELOW.							
	5122869	PULLEY ASSY. (PAGE A1)	1						
	5103512	PULLEY ASSY. (PAGE E1)		1	1			1	1
	5103350	PULLEY ASSY. (PAGE E1)				1			
	8921168	PULLEY ASSY. (PAGE E1)					1		
		5.4025 - SUPPORT, FAN MOUNTING							
4A	5126868	SUPPORT	1						
	8925876	SUPPORT		2	2			2	2
4C	5109640	SUPPORT				1			
	5108945	SUPPORT					2		
	179826	BOLT, 5/16"-18X2" (12.9001)					6		
	5109642	BOLT, 5/16"-18X7" (5.4290)				1			
4A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2						
4A	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3	4	4		4	4	4
4A	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2						
	272429	BOLT, 3/8"-16X4 1/8" (12.9001)		4			4		4
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)						4	
4C	450517	BOLT, 3/8"-16X4 3/4" (12.9001)				2			
4C	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				4			
4C	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				2			
	5164294	SPACER, 7/8"X13/32"X1/8" (7.1581)	3	4	4		4	4	4
4C	120393	WASHER, 5/16" (12.9190)				1			
4C	5108436	WASHER, 15/32" (7.1598)				4			
	103320	LOCKWASHER, 5/16" (12.9200)					6		
	103321	LOCKWASHER, 3/8" (12.9200)	7	8	4		8	8	8
4A	103322	LOCKWASHER, 7/16" (12.9200)				6			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16334	16346	16355	16367	16383	16399	16400
		5.4180 - CAP AND SPACER, FAN HUB							
	5147472	SPACER, .32" THK.	1						
	5103676	SPACER, .56" THK.		1			2	1	
	5103718	SPACER, .80" THK.		1		2		1	
		5.4290 - SCREW, FAN BRACKET ADJUSTING							
4C	**5109641**	BRACKET				1			
4C	**179837**	BOLT, 3/8"-16X3/4" (12.9001)				2			
4C	**179856**	BOLT, 7/16"-14X3/4" (12.9001)				2			
4C	**103321**	LOCKWASHER, 3/8" (12.9200)				2			
4C	**103322**	LOCKWASHER, 7/16" (12.9200)				2			

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4015 - PULLEY AND HUB ASSY., FAN														
	5122868	PULLEY ASSY.	1													
	5122869	PULLEY ASSY.		1												
	5122870	PULLEY ASSY.			1											
	5126241	# PULLEY ASSY.				1										
	5126242	# PULLEY ASSY.					1									
	5126502	PULLEY ASSY.						1								
	5132601	PULLEY ASSY.							1							
	5170456	# PULLEY ASSY.								1						
	5148441	PULLEY ASSY.									1					
		# NOT SERVICED. SHOWN FOR COMPONENT REFERENCE ONLY.														
		5.4090 - BRACKET, FAN SHAFT														
4A	**5116477**	BRACKET	1	1	1											
4A	**5126203**	# BRACKET				1	1									
4A	**5126501**	BRACKET						1			1					
4A	**5133063**	BRACKET							1							
4A	**5140234**	BRACKET								1						
		# NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY. REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT.														
		5.4100 - SHAFT, FAN														
		A SHAFT ASSY. INCLUDES BEARINGS.														
4A	**905619**	* SHAFT ASSY.	1	1	1	1	1	1	1	1						
4A	**908141**	SHAFT ASSY.									1					
		* NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.														
		5.4235 - HUB, FAN														
4A	**5148420**	PULLEY, 4.30" DIA. (2 GROOVES)	1				1	1			1					
4A	**5116483**	PULLEY, 5.38" DIA. (2 GROOVES)		1		1			1	1						
4A	**5119191**	PULLEY, 6.34" DIA. (2 GROOVES)			1											

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4015 - PULLEY AND HUB ASSY., FAN														
	5170472	PULLEY ASSY.	1													
	5123279	* PULLEY ASSY.		1												
	5123335	* PULLEY ASSY.			1											
	5125116	* PULLEY ASSY.				1										
	5129637	* PULLEY ASSY.					1									
	5137478	* PULLEY ASSY.						1								
	5134458	PULLEY ASSY.							1							
	5140790	PULLEY ASSY.								1						
		* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
		5.4090 - BRACKET, FAN SHAFT														
4A	**5140234**	BRACKET	1													
4A	**5123197**	* BRACKET		1	1	1	1									
4A	**5126501**	BRACKET						1								
4A	**5134503**	BRACKET							1							
4A	**5140845**	BRACKET								1						
		* OBSOLETE.														
		5.4100 - SHAFT, FAN														
		A SHAFT ASSY. INCLUDES BEARING.														
4A	**905619**	% SHAFT ASSY.	1					1	1	1						
4A	**954604**	SHAFT ASSY.		1	1	1	1									
		% NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.														
		5.4235 - PULLEY, FAN														
4A	**5112152**	+ PULLEY, 33.16" DIA. (2 GROOVES)					1									
4A	**5123552**	PULLEY, 4.30" DIA. (2 GROOVES)			1											
4A	**5121226**	+ PULLEY, 4.40" DIA. (1 GROOVE)		1												
4A	**5125114**	+ PULLEY, 4.40" DIA. (2 GROOVES)				1										
4A	**5148420**	PULLEY, 4.30" DIA. (2 GROOVES)	1							1						
4A	**5137517**	PULLEY, 4.30" DIA. (2 GROOVES)						1								
4A	**5134230**	PULLEY, 6.34" DIA. (2 GROOVES)							1							
		+ OBSOLETE.														

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4015 - PULLEY AND HUB ASSY., FAN														
	5131207	* PULLEY ASSY.	1													
	5131208	* PULLEY ASSY.		1												
	5131209	* PULLEY ASSY.			1											
	5131210	* PULLEY ASSY.				1										
	5131211	* PULLEY ASSY.					1									
	5132421	* PULLEY ASSY.						1								
	5162786	* PULLEY ASSY.							1							
	5136886	PULLEY ASSY.								1						
	5139641	* PULLEY ASSY.									1					
		* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
		5.4090 - BRACKET, FAN SHAFT														
4C	**5196863**	* BRACKET (INCLUDES SHAFT & RETAINER						1								
	5100201	@ BRACKET (W/INTEGRAL SHAFT) (5.4100)	1	1	1	1	1				1					
4A	**5127071**	* BRACKET							1							
4A	**5116477**	BRACKET								1						
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)						2								
	103343	WASHER, 1/2" (12.9190)						2								
	103323	LOCKWASHER, 1/2" (12.9200)						2								
		* OBSOLETE														
		@ NOT SERVICED, REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT														
		5.4100 - SHAFT, FAN														
4B	**5162783**	* SHAFT							1							
4A	**905619**	@ SHAFT (INCLUDES BEARING)								1						
	907278	BEARING (INNER)						1								
	908002	BEARING (OUTER)						1								
	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)						1	1							
	142534	* PIN, 5/16"X1 3/4" GROOVE (12.9270)							1							
	5130823	* NUT, 1/2"-20 SLOTTED							1							
	122797	NUT, 5/8"-18 SLOTTED (12.9130)						1								
		* OBSOLETE														
		@ NOT SERVICED, FOR SERVICE USE 8922500 BEARING ASSY.														
		5.4110 - BEARING, FAN SHAFT														
4C	**9415132**	BEARING ASSY. (FRONT)	1	1	1	1	1				1					
4C	**7450630**	BEARING (REAR)	1	1	1	1	1				1					
4C	**7451373**	* BEARING (REAR)							1							
4C	**7451077**	* BEARING (FRONT)							1							
	5131095	SHIM (.015")	1	1	1	1	1				1					
	5133467	* SHIM (.005")							AR							
	5133466	* SHIM (.010")							AR							

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4110 - BEARING, FAN SHAFT (CONT'D)														
	5131124	SHIM (.015")	AR	AR	AR	AR	AR				AR					
	5131205	SHIM (.020")	AR	AR	AR	AR	AR				AR					
	5131206	SHIM (.025")	AR	AR	AR	AR	AR				AR					
		* OBSOLETE														
		5.4140 - RETAINER, FAN SHAFT BEARING														
	5130822	WASHER, 33/64" X 1 1/16" X 1/8"							1							
	5131123	WASHER, 33/64" X 1 1/2" X .32"	1	1	1	1	1				1					
	9409060	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)	1	1	1	1	1				1					
	274746	RING, LOCK (5.4235)						1								
	5188194	RING, SNAP (1.350"I.D.)						1								
		5.4150 - SEAL, FAN SHAFT														
4C	**5108219**	SEAL	1	1	1	1					1					
4C	**5100408**	SEAL					1									
4C	**5127119**	* SEAL							1							
		* OBSOLETE														
		5.4170 - SPACER, FAN SHAFT BEARING														
	5131122	SPACER	1	1	1	1	1				1					
	5133370	* SPACER							2							
		* OBSOLETE														
		5.4180 - CAP AND SPACER, FAN HUB														
	5144798	CAP (PULLEY)	1			1	1									
	5107293	CAP (PULLEY)		1	1			1								
	5103882	CAP (PULLEY)							1							
		5.4235 - PULLEY, FAN														
4C	**5130029**	@ PULLEY, 4.90" DIA. (2 GROOVES)	1													
4C	**5127042**	* PULLEY, 5.38" DIA. (2 GROOVES)							1							
4C	**5136620**	PULLEY, 5.38" DIA. (2 GROOVES)								1						
4C	**5109639**	PULLEY, 5.68" DIA. (2 GROOVES)					1									
4C	**5100208**	= PULLEY, 6.25" DIA. (2 GROOVES)		1												
4C	**5100209**	# PULLEY, 7.50" DIA. (2 GROOVES)			1											
4C	**5108233**	? PULLEY (HUB) 7.50" DIA. (3 GROOVES)						1								
4C	**5139738**	@ PULLEY, 6.25" DIA. (POLY. V GROOVES)									1					

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN D
		5.4235 - PULLEY, FAN (CONT'D)	
4C	**5100210**	@ PULLEY, 9.75" DIA. (2 GROOVES)	1
		= NOT SERVICED, USE (1) EACH 5101000 PULLEY, 5100916 CAP, 455322 FITTING AND 9411010 FITTING.	
		# NOT SERVICED, USE (1) EACH 5100919 PULLEY, 5100915 CAP, 455322 FITTING AND 9411010 FITTING.	
		* OBSOLETE	
		@ NOT SERVICED, REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT.	
		? NOT SERVICED, USE 5103967.	

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5.4000A FAN

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	5.4015 - PULLEY AND HUB ASSY., FAN														
5145534	* PULLEY ASSY.	1													
5145535	* PULLEY ASSY.		1												
5147085	PULLEY ASSY.			1											
5147082	PULLEY ASSY.				1										
5147084	* PULLEY ASSY.					1									
5100984	* PULLEY ASSY.						1								
5100985	* PULLEY ASSY.							1							
5147083	PULLEY ASSY.								1						
5100988	* PULLEY ASSY.									1					
5105127	* PULLEY ASSY.										1				
	* NOT SERVICED, SHOWN FOR COMPONENT REFERENCE ONLY.														
	5.4090 - BRACKET, FAN SHAFT														
5103381	BRACKET	1	1								1				
5146864	BRACKET			1	1										
5146867	+ BRACKET					1									
5100201	* BRACKET (INCLUDES INTERGAL SHAFT) (5.4100)						1	1		1					
5146865	BRACKET								1						
	* NOT SERVICED, REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT.														
	+ OBSOLETE.														
	5.4110 - BEARING, FAN SHAFT														
4C **7450630**	BEARING	1	1	1	1	1	1	1	1	1	1				
9415132	BEARING ASSY.	1	1	1	1	1	1	1	1	1	1				
4C **5131095**	RETAINER, GREASE	1	1	1	1	1			1		1				
5131124	SHIM (.15")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
5131205	SHIM (.20")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
5131206	SHIM (.25")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
	5.4140 - RETAINER, FAN SHAFT BEARING														
5131122	SPACER, BEARING (5.4170)	1	1	1	1	1	1	1	1	1	1				
5131123	WASHER, 33/64"X1 1/2"X.32"	1	1	1	1	1	1	1	1	1	1				
9409060	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)	1	1	1	1	1	1	1	1	1	1				
	5.4150 - SEAL, FAN SHAFT														
4C **5108219**	SEAL	1													
4C **5100408**	SEAL		1	1	1	1			1	1	1				

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4180 - CAP AND SPACER, FAN HUB														
	5107293	CAP (PULLEY)	1	1	1	1	1			1						
	5100915	CAP (W/ 1/8" PIPE THREAD)						1	1		1					
	5144798	CAP (PULLEY)										1				
	455322	FITTING, LUBE RELIEF (12.9540)						1	1		1					
		5.4235 - PULLEY, FAN														
4C	**5109639**	PULLEY, 5.68" DIA. (2 GROOVES)	1			1										
4C	**5145376**	PULLEY, 4.30" DIA. (2 GROOVES)		1	1		1			1						
4C	**5101000**	PULLEY, 6.25" DIA. (2 GROOVES)						1								
4C	**5100919**	* PULLEY, 7.50" DIA. (2 GROOVES)							1							
4C	**5100990**	* PULLEY, 7.50" DIA. (3 GROOVES)									1					
	5103347	PULLEY, 4.50" DIA. (2 GROOVES)										1				
	191758	FITTING, 1/8" LUBE (STRAIGHT) (12.9540)						1	1		1					

* NOT SERVICED, REFER TO 5.4015 IN TYPE FOR ASSY. REPLACEMENT.

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5.4000A FAN

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
5.4015 - PULLEY AND HUB ASSY., FAN															
5103345	PULLEY ASSY.	1													
5103347	PULLEY ASSY.		1												
5103418	PULLEY ASSY.			1											
5103512	PULLEY ASSY.				1										
5103594	PULLEY ASSY.					1									
5103346	PULLEY ASSY.						1								
5103349	PULLEY ASSY.							1							
5103352	PULLEY ASSY.								1						
5149517	PULLEY ASSY.									1					
5103350	PULLEY ASSY.										1				
8921168	PULLEY ASSY.											1			
5104361	PULLEY ASSY.												1		
5.4090 - BRACKET, FAN SHAFT															
5103370	+ BRACKET	1	1	1		1	1	1			1				
5103381	BRACKET				1				1			1			
5140845	BRACKET									1					
	+ NOT SERVICED, FOR SERVICE USE 5102381 AND 7455596.														
5.4100 - SHAFT, FAN															
905619	+ SHAFT ASSY.									1					
5102381	SHAFT										1				
5100933	SHAFT												1		
	+ NOT SERVICED. FOR SERVICE USE 8922500 BEARING ASSY.														
5.4110 - BEARING, FAN SHAFT															
7450630	BEARING				1				1			1			
9415132	BEARING ASSY.				1				1			1			
7455596	BEARING	1	1	1		1	1	1			1		1		
903206	BEARING	1	1	1		1	1	1			1		1		
5131095	RETAINER, GREASE				1				1			1			
5131124	SHIM (.15")				AR				AR			AR			
5131205	SHIM (.20")				AR				AR			AR			
5131206	SHIM (.25")				AR				AR			AR			
5.4140 - RETAINER, FAN SHAFT BEARING															
5131122	SPACER, BEARING (5.4170)				1				1			1			
5104317	WASHER, 2.22" O.D. (5.4235)	1	1	1		1	1	1			1		1		
5131123	WASHER, 33/64"X1 1/2"X.32"				1				1			1			
9422755	RING, BEVELED SNAP	1	1	1		1	1	1			1		1		
9409060	BOLT, 1/2"-20X1 1/2" LOCK (12.9001)	1	1	1	1	1	1	1	1		1	1	1		
5.4150 - SEAL, FAN SHAFT															
5100408	SEAL (FELT)				1				1			1			
5103951	SEAL	1	1	1		1	1	1			1		1		

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5.4000A FAN

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		5.4180 - CAP AND SPACER, FAN HUB														
	5100890	CAP (PULLEY)	1	1	1		1	1	1			1		1		
	5107293	CAP (PULLEY)				1										
	5144798	CAP				1				1						
	5100915	CAP (W/1/8" PIPE THREAD)											1			
	5100914	CAP (DUST)												1		
	455322	FITTING, LUBE RELIEF (12.9540)	1	1	1		1	1	1			1	1	1		
		5.4235 - HUB, FAN														
4C	**5103371**	PULLEY, 6.25" DIA. (2 GROOVES)	1													
4C	**5103373**	PULLEY, 4.90" DIA. (2 GROOVES)		1												
4C	**5103456**	PULLEY, 6.25" DIA. (POLY. V GROOVES)			1											
4C	**5109639**	PULLEY, 5.68" DIA. (2 GROOVES)				1										
4C	**5104329**	PULLEY, 7.50" DIA. (3 GROOVES)					1									
4C	**5103372**	PULLEY, 7.50" DIA. (2 GROOVES)						1								
4C	**5103374**	PULLEY, 9.75" DIA. (2 GROOVES)							1							
4C	**5145376**	PULLEY, 4.30" DIA. (2 GROOVES)								1						
4C	**5116483**	PULLEY, 5.38" DIA. (2 GROOVES)									1					
4C	**5103375**	PULLEY, 5.38" DIA. (2 GROOVES)										1				
4C	**5101000**	PULLEY, 6.25" DIA. (2 GROOVES)											1			
4C	**5104328**	PULLEY, 6.25" DIA (3 GROOVES)												1		
4C	**191758**	FITTING, 1/8" LUBE (12.9540)	1	1	1		1	1	1			1	1	1		

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5.4000B FAN SHROUD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 53	59	60	66	79
		5.4560 - SHROUD, FAN					
	5108922	SHROUD ASSY.	1				
	5140955	SHROUD ASSY.				1	
		5.4580 - GUARD, FAN					
	5198100	GUARD		1			
	5198101	GUARD			1		
	5109463	GUARD ASSY.	1			1	1
	443603	BOLT, 1/4"-20X3/4" (12.9001)	6			6	6
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2				2
	186625	BOLT, 5/16"-18X7/8" (12.9001)				2	
	120392	WASHER, 9/32" (12.9190)	6			6	6
	120393	WASHER, 11/32" (12.9190)	4			2	4
	103319	LOCKWASHER, 1/4" (12.9200)	6	4	4	6	6
	103320	LOCKWASHER, 5/16" (12.9200)	2			2	2
	5170058	NUT, 1/4" SPEED	6			6	6
	120375	NUT, 1/4"-20 (12.9120)		4	4		

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	293	294	295	299	300	301	303	304	305	314	316
		5.5001 - TANK, EXPANSION												
6A,B	5125027	TANK, 2,3,4,6V53	1	1	1	1	1	1	1	1				1
6C	5126347	TANK, 2-53									1	1	1	
	113175	PLUG, 1/8" PIPE BRASS (12.9550)	2	2	2	2	2	2	2	2				2
	112304	PLUG, 3/8" PIPE BRASS (12.9550)									1	1		
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1	1	1				1
6C	5111798	PLUG, 1" PIPE (12.9550)									1	1		
	5127034	PLUG, 1 1/8" DIA. CUP											1	
	5109157	PLUG, 1 1/4" DIA. CUP	1	1	1	1	1	1	1	1				1
6C	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)									4	4	4	
	5150023	COVER (HEAT EXCHANGER WATER HOLE) (1.1060)						1	1					
	5118367	GASKET (HEAT EXCHANGER WATER HOLE COVER) (1.1070)						1	1					
	186618	BOLT, 5/16"-18X5/8" (12.9001)						2	2					
	103320	LOCKWASHER, 5/16" (12.9200)						2	2					
		5.5003 - CORE, HEAT EXCHANGER												
6A,B	8509553	CORE, 3,4,6V53	1	1		1	1	1		1				1
6C	8529617	CORE ASSY., 2-53 (INCLUDES ELECTRODE)									1	1		
		5.5010 - ELECTRODE, HEAT EXCHANGER												
6A,B	8515850	ELECTRODE ASSY., 3, 4, 6V53 (INCLUDES 3 3/8" ELECTRODE)	1	1		1	1	1		1				1
6A,B	8515851	ELECTRODE, 3, 4, 6V53 (3 3/8" L)	1	1		1	1	1		1				1
6A,B	8517473	ELECTRODE ASSY., 2, 3, 4-53 (INCLUDES 1 1/4" ELECTRODE)	1	1		1	1				1	1		1
6A,B	8517474	ELECTRODE, 2, 3, 4-53 (1 1/4" L)	1	1			1				1	1		1
		5.5025 - RETAINER, HEAT EXCHANGER SEAL												
6A,B	5167766	RETAINER, 3,4,6V53	1	1		1	1	1		1				1
		5.5026 - SEAL, HEAT EXCHANGER												
6A,B	5167746	SEAL, 3,4,6V53	2	2		2	2	2		2				2
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER												
6A,B	5167745	GLAND, 3,4,6V53	1	1		1	1	1		1				1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	293	294	295	299	301	303	304	305	314	316
		5.5030 - COVER, HEAT EXCHANGER											
6A,B	5146276	COVER, 3,4,6V53 (INLET)	1	1		1	1	1		1				1
6A,B	5167741	COVER, 3,4,6V53 (OUTLET)	1	1		1	1	1		1				1
6A,B	5186976	COVER, 4,6V53 (BLANK)			1				1					
6A,B	5121893	COVER, 4,6V53 (INLET) (5.5440)							1					
6A,B	5125655	COVER, 4,6V53 (REAR)			1				1					
6A	5127028	COVER, 2-53										2		
	5117674	COVER, 4,6V53 (INLET)			1									
	103647	DRAINCOCK, 1/4" (12.9510)	1	1		1	1			1				1
	113175	PLUG, 1/8" PIPE (12.9550)	2	2		2	2	2		2				2
	112578	PLUG, 1/4" PIPE (12.9550)	1	1		1	1	1		1				1
	113177	PLUG, 3/4" PIPE BRASS (12.9550)	1	1		1	1			1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)			2				2					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	10	10	20	10	10	10	20	10				10
	179826	BOLT, 5/16"-18X2" (12.9001)		10		10		10		10				10
	179839	BOLT, 3/8"-16X1" (12.9001)										4		
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR				AR
	103321	LOCKWASHER, 3/8" (12.9200)										4		
	117049	NUT, 3/8"-24 (12.9190)										4		
		5.5050 - GASKET, HEAT EXCHANGER											
6A,B	5167764	GASKET, 3,4,6V53	3	3		3	3	3		3				3
6A,B	5167764	GASKET, 4,6V53			2				2					
6A,B	5119206	GASKET, 4,6V53 (6.1110)			1				1					
6C	5156147	GASKET, 2-53								1	1	1		
6A	5127052	GASKET, 2-53										2		
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING											
6A	5119158	BRACKET, UPPER 3,4-53	1	1	1	1	1			1				1
	5124944	* BRACKET, LOWER 3,4-53	1	1	1	1	1			1				1
	5125212	+ BRACKET, UPPER 6V53						1	1					
	5125213	+ BRACKET, LOWER 6V53						1	1					
	5124998	+ SUPPORT, 2-53								1	1	1		
	5150744	STUD (5/16"-18-24X1 1/4") (5.1020)								6	6	6		
	5156405	# SPACER	2	2	2	2	2			2				
	454813	BOLT, 3/8"-16X7/8" (12.9001)												2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4	4	4			4				4
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						2	2		2	2	2	
	454906	* BOLT, 3/8"-16X1 1/2" (12.9001)			2									
	454813	* BOLT, 3/8"-16X1 7/8" (12.9001)	2	2		2	2			2				
	106288	* BOLT, 3/8"-16X2 1/4" (12.9001)	2	2	2	2	2			2				
	455537	# BOLT, 3/8"-16X4" (12.9001)	2	2	2	2	2			2				
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)								6	6			
	103321	LOCKWASHER, 3/8" (12.9200)												AR
	114493	NUT, 5/16"-24 (12.9120)								6	6			

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	293	294	295	299	300	301	303	304	305	314	316
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING (CONT'D)												
	117049	NUT, 3/8"-24 (12.9120)												2
		* THRU 3D-268, 4D-644.												
		+ OBSOLETE.												
		# EFFECTIVE WITH 3D-269, 4D-645.												
		5.5080 - GASKET, HEAT EXCHANGER MOUNTING BRACKET												
6A	5116212	GASKET, 3,4,6V53 (BRACKET TO TANK)	1	1	1	1	1	1	1	1				1
6A	5116242	GASKET, 3,4-53 (BRACKET TO HEAD) (1.2044)	1	1		1	1			1				1
6A	5175882	* GASKET, 3,4-53 (SPACER TO FRONT COVER) (4.4115)	2	2	2	2	2			2				
		* EFFECTIVE WITH 3D-269, 4D-645.												
		5.5120 - NECK, EXPANSION TANK FILLER												
	5118060	NECK, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK												
	5118061	GASKET, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK FILLER												
6A,B	850795	CAP, 2,3,4,6V53	1	1		1	1	1		1	1	1		1
6A,B	850901	CAP, 2,6V53			1				1				1	
		5.5190 - TUBE, EXPANSION TANK OVERFLOW												
5B	5122569	TUBE ASSY., 3,4,6V53 (DEV. L 14)	1	1	1	1	1	1	1	1				1
5C	5158825	TUBE ASSY., 2-53 (DEV. L 4 1/4") (2.2300)									1	1	1	
	5100136	ADAPTOR, 1/8" PIPE 2-53 (12.9570)										1		
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE												
	3290459	CLIP (2.5220)	1	1	1	1	1	1	1	1				1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	293	294	295	299	300	301	303	304	305	314	316
		5.5377 - TUBE, RAW WATER PUMP INLET												
7A	5121043	* ELBOW, 2,3,4-53	1	1		1	1					1		1
7B	5114776	ELBOW, 6V,8V-53						1						
7A	5128086	@ ELBOW, 2,3,4-53										1		
	113177	PLUG, 3/4" PIPE (BRASS) (12.9550)						1						
	179830	BOLT, 5/16"-18X3" (12.9001)	2	2		2	2							2
	180130	BOLT, 3/8"-16X2" (12.9001)						2						
	179829	BOLT, 3/8"-16X2 3/4" (12.9001)										2		
	103341	WASHER, 3/8" (12.9190)						2						
	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2	2					2		2
		* PTO UNITS, TYPE 305.												
		@ GENERATOR UNITS, TYPE 305.												
		5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)												
	5122648	GASKET, 2,3,4-53	1	1		1	1					1		1
	5115395	GASKET, 6,8V53 (5.5410)						1						
		5.5380 - TUBE, RAW WATER PUMP OUTLET												
7B	5125540	TUBE ASSY., 6V53						1						
5A	5122645	ELBOW, 2,3,4-53	1	1								1		1
5A	5122644	ELBOW, 3,4-53				1	1							
	112578	PLUG, 1/4" PIPE (12.9550)						1						
	179826	BOLT, 5/16"-18X2" (12.9001)	1	1		1	1	1				1		1
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)	1	1		1	1	1				1		1
	179839	BOLT, 3/8"-16X1" (12.9001)						2						
	103341	WASHER, 3/8" (12.9190)						2						
	103320	LOCKWASHER, 5/16" (12.9200)	2	2		2	2	2				2		2
		5.5390 - CLIP, HEAT EXCHANGER RAW WATER INLET TUBE												
5A	5179368	CLIP, 1 1/2" (4.4180)	1	1		1	1					1		1
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1	1		1	1					1		1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1		1	1					1		1
	114493	NUT, 5/16"-24 (12.9120)	1	1		1	1					1		1
		5.5405 - BRACKET, HEAT EXCHANGER RAW WATER INLET TUBE CLIP												
	5155464	BRACKET, 2,3,4-53 (7.1582)	1	1		1	1					1		1
	100014	BOLT, 5/16"-24X1" (12.9001)	1	1		1	1					1		1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1		1	1					1		1
	114493	NUT, 5/16"-24 (12.9120)	1	1		1	1					1		1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	293	294	295	299	300	301	303	304	305	314	316
		5.5410 - GASKET, RAW WATER FLANGE (AT PUMP)												
	5122648	GASKET, 2,3,4-53 (5.5378)	1	1		1	1					1		1
	5115395	GASKET, 6V53						1						
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET (INTERMEDIATE)												
5A	5122688	TUBE (DEV. L. 36.36") 3-53	1				1							
5A	5122689	TUBE (DEV. L. 41.76") 4-53		1		1								
5A	5125223	* TUBE (DEV. L. 36.50") 2-53										1		
5A	5128038	* TUBE (DEV. L. 45.64") 4-53												1
		* OBSOLETE.												
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET												
7B	5125538	TUBE ASSY., 3-53						1						
6A	5122630	ELBOW, 3,4-53	1	1		1	1			1		1		1
	5126493	FLANGE, 2-53									1	1		
	5150744	STUD (1 1/4"L.) (5.1020)									2	2		
	186629	BOLT, 5/16"-18X1" (12.9001)						4						
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	4	4		4	4			4				4
	103320	LOCKWASHER, 5/16" (12.9200)	4	4		4	4	4		4	2	2		4
	114493	NUT, 5/16"-24 (12.9120)									2	2		
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE												
6A,B	5158747	GASKET, 3,4,6,8V53	1	1		1	1	1		1				1
6A	5153902	GASKET, 2-53 (4.1520)									1	1		
	5126635	SEAL RING									1	1		
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE												
5A	5163930	# HOSE (1 1/2" X 2 3/4") 2, 3, 4-53 (5.3290)	2	2		2	2					2		2
	5110373	# HOSE (2" X 3") 6, 8V53 (5.3330)						1						
5A	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	4	4		4	4	2				4		4
5A	2337379	CLAMP, 1 1/16"-2" DIA. HOSE (12.9660)												
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 291	293	294	295	299	300	301	303	304	305	314	316
		5.5550 - TUBE, HEAT EXCHANGER WATER OUTLET												
	5126464	ELBOW, 3,4-53 (5.5440)	1	1		1	1			1				1
6B	5119878	FLANGE, 6,8V53						1						
6A	5126493	FLANGE, 2-53 (5.5440)									1	1		
	103175	STUD, 5/16"-18-24X1 1/2" (12.9117)									2	2		
	186629	BOLT, 5/16"-18X1" (12.9001)						4						
	179819	BOLT, 5/16"-18X1 1/4" (12.9001)	4	4		4	4			4				4
	103320	LOCKWASHER, 5/16" (12.9200)	4	4		4	4	4		4	4	4		4
	114493	NUT, 5/16"-24 (12.9120)									2	2		
		5.5570 - GASKET, HEAT EXCHANGER WATER OUTLET TUBE												
6B	5158747	GASKET, 2,3,4,6,8V53 (5.5460)	1	1		1	1	1		1				1
	5126635	SEAL RING, 2-53 (5.5460)									1	1		

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	319	320	321	322	323	345	348	349	368	373
		5.5001 - TANK EXPANSION												
6A,B	5125027	TANK, 2,3,4,6V53	1	1	1	1	1	1	1	1	1	1	1	
6A	5109392	* TANK, 4-53 (AUX.)									1	1		
6B	5135123	# TANK, 8V53												1
	113175	PLUG, 1/8" PIPE BRASS (12.9550)	2	2	2	2	2	2	2	2	2	2	2	
	8924380	PLUG, 1/8"-27 PIPE (12.9550)												2
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1	1	
	5109157	PLUG, 1 1/4" DIA. CUP	1	1	1	1	1	1	1	1	1	1	1	
	5117186	PLUG, 2" DIA. CUP (1.2001)												2
	5134851	COVER												1
	5134679	GASKET (5.3325)												1
	5177469	SPACER, 13/32"X3/4"X1 3/16" (7.1585)												2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)												2
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												4
		# NOT SERVICED, REPLACED BY 5107685 TANK PLUS (1) 5118060 NECK, (1) 5118061 GASKET AND (2) 5117186 PLUGS.												
		* OBSOLETE.												
		5.5003 - CORE, HEAT EXCHANGER												
6A,B	8509553	CORE, 3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
		5.5010 - ELECTRODE, HEAT EXCHANGER												
6A,B	8515850	ELECTRODE ASSY., 3, 4, 6, 8V53 (INCLUDES 3 3/8" ELECTRODE)	1	1	1	1	1			1	1	1	1	1
6A,B	8515851	ELECTRODE, 3, 4, 6V53 (3 3/8" L.)	1	1	1	1	1			1	1	1	1	1
6A,B	8517473	ELECTRODE ASSY., 2, 3, 4-53 (INCLUDES 1 1/4" ELECTRODE)	1	1	1	1	1				1	1	1	
6A,B	8517474	ELECTRODE, 2, 3, 4-53 (1 1/4" L.)	1	1	1	1	1				1	1	1	
6B	8515841	ELECTRODE ASSY., 6, 8V53 (INCLUDES 2 1/8" ELECTRODE)								1				1
6B	8515842	ELECTRODE (2 1/8" L.)								1				1
		5.5025 - RETAINER, HEAT EXCHANGER SEAL												
6A,B	5167766	RETAINER, 3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
		5.5026 - SEAL, HEAT EXCHANGER												
6A,B	5167746	SEAL, 3,4,6,8V53	2	2	2	2	2			2	2	2	2	2

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	319	320	321	322	323	345	348	349	368	373
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER												
6A,B	**5167745**	GLAND, 3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
		5.5030 - COVER, HEAT EXCHANGER												
6A,B	**5146276**	COVER, 3,4,6,8V53 (INLET)	1	1	1	1	1			1	1	1	1	1
6A,B	**5167741**	COVER, 3,4,6,8V53 (OUTLET)	1	1	1	1	1			1	1	1	1	1
6A,B	**5186976**	COVER, 4,6V53 (BLANK)						1	1					
6A,B	**5121893**	COVER, 4,6V53 (INLET) (5.5440)						1	1					
6A,B	**5125655**	COVER, 4,6V53 (REAR)						1	1					
6A	**5135999**	# COVER, 8V53 (INLET)												1
	114981	DRAINCOCK, 1/8" (12.9510)												1
	103647	DRAINCOCK, 1/4" (12.9510)	1	1	1	1	1			1	1	1	1	1
	113175	PLUG, 1/8" PIPE (12.9550)	2	2	2	2	2			2	2	2	2	2
	112578	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1			1	1	1	1	1
	113177	PLUG, 3/4" PIPE BRASS (12.9550)	1	1	1	1	1			1	1	1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2	2					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	10	10	10	10	10	20	20	10	10	10	10	10
	179826	BOLT, 5/16"-18X2" (12.9001)	10	10	10	10	10			10	10	10		10
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, USE 5146276 COVER AND (1) 112578 PLUG.												
		5.5050 - GASKET, HEAT EXCHANGER												
6A,B	**5167764**	GASKET, 3,4,6,8V53	3	3	3	3	3	2	2	3	3	3	3	3
6A,B	**5119206**	GASKET, 4,6V53 (6.1110)						1	1					
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING												
6A	**5119158**	BRACKET, UPPER 3,4-53	1	1	1							1		
	5124944	* BRACKET, LOWER 3,4-53	1	1	1							1		
	5125212	+ BRACKET, UPPER 6V53								1				
	5125213	+ BRACKET, LOWER 6V53								1				
6A	**5128692**	BRACKET, UPPER 3,4-53				1		1				1		
	5128690	+ BRACKET, LOWER 3,4-53				1		1				1		
6A	**5128691**	BRACKET, UPPER 3,4-53					1		1		1			
	5128689	+ BRACKET, LOWER 3,4-53					1		1		1			
6A	**5109376**	BRACKET, 4-53 (AUX. TANK MOUNTING)									2	2		
	5135355	BRACKET, 8V53												1
	5156405	@ SPACER, 3,4-53											2	
	454813	BOLT, 3/8"-16X7/8" (12.9001)	2	2	2									
	179839	BOLT, 3/8"-16X1" (12.9001)				2	2	2	2		2	2		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	4	4	4	2	2	2	2		2	2	4	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								2				
	454813	* BOLT, 3/8"-16X1 7/8" (12.9001)											2	
	108608	BOLT, 3/8"-16X2 1/8" (12.9001)								2				

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	319	320	321	322	323	345	348	349	368	373
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING (CONT'D)												
	106288	* BOLT, 3/8"-16X2 1/4" (12.9001)								2			2	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)											2	
	455537	@ BOLT, 3/8"-16X4" (12.9001)												
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)	2	2	2	2	2	2	2		2	2		2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)								2				2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				2	2	2	2		2	2		
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)												
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		4
	103322	LOCKWASHER, 7/16" (12.9200)								2				
	103323	LOCKWASHER, 1/2" (12.9200)				2	2	2	2		2	2		
	117049	NUT, 3/8"-24 (12.9120)	2	2	2			2	2		2	2		
		* THRU 3D-268, 4D-644.												
		@ EFFECTIVE WITH 3D-269, 4D-645.												
		+ OBSOLETE.												
		5.5080 - GASKET, HEAT EXCHANGER MOUNTING BRACKET												
6A	5116212	GASKET, 3,4,6V53 (BRACKET TO TANK)	1	1	1	1	1	1	1	1	1	1	1	
6A	5116242	GASKET, 3,4-53 (BRACKET TO HEAD) (1.2044)	1	1	1								1	
6A	5175882	* GASKET, 3,4-53 (SPACER TO FRONT (4.4115)											2	
		* EFFECTIVE WITH 3D-269, 4D-645.												
		5.5120 - NECK, EXPANSION TANK FILLER												
	5118060	NECK, 2,3,4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK												
	5118061	GASKET, 2,3,4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK FILLER												
6A,B	850795	CAP, 2,3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
6A,B	850901	CAP, 2,6,8V53						1	1					
		5.5190 - TUBE, EXPANSION TANK OVERFLOW												
5B	5122569	TUBE ASSY., 3, 4, 6V53 (DEV. L 14")	1	1	1	1	1	1	1	1	1	1	1	
5B	5135900	TUBE ASSY., 8V53 (DEV. L 17.75")												1
	225815	ELBOW, 5/16" INV. FL TUBE 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	319	320	321	322	323	345	348	349	368	373
		5.5195 - HOSE, HEAT EXCHANGER AUX. TANK												
	5129867	# HOSE, 1/4 X 38 L. 4-53									1	1		
	5138542	# HOSE, 3/4 I.D. X 30 L. 4-53									1	1		
	118753	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)									2	2		
	110289	ELBOW, 3/4" FL. TUBE 90 DEG. (12.9390)									2	2		
	5111277	FITTING (1/4" HOSE) (8.1017)									2	2		
	5126728	FITTING (3/4" HOSE) (12.4070)									2	2		
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE												
	3290459	CLIP (2.5220)	1	1	1	1	1	1	1	1	1	1	1	1
		5.5377 - TUBE, RAW WATER PUMP INLET												
7A	5121043	ELBOW, 2,3,4-53	1	1	1								1	
7B	5114776	ELBOW, 6V,8V-53												1
7A	5128086	ELBOW, 2,3,4-53				1	1				1	1		
7B	5109936	ELBOW, 6V-53								1				
	113177	PLUG, 3/4" PIPE (BRASS) (12.9550)								1				1
	179830	BOLT, 5/16"-18X3" (12.9001)	2	2	2								2	
	179847	BOLT, 3/8"-16X2" (12.9001)								2				2
	179828	BOLT, 3/8"-16X2 1/2" (12.9001)				2	2				2	2		
	103341	WASHER, 3/8" (12.9190)								2				2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2				2	2	2	
		5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)												
	5122648	GASKET, 2,3,4-53	1	1	1	1	1				1	1	1	
	5115395	GASKET, 6,8V53 (5.5410)								1				1
		5.5380 - TUBE, RAW WATER PUMP OUTLET												
7B	5109705	TUBE ASSY., 6V53								1				
5A	5122645	ELBOW, 2,3,4-53		1		1						1	1	
5A	5122644	ELBOW, 3,4-53	1		1		1				1			
	103647	DRAINCOCK, 1/4" (12.9510)								1				

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	319	320	321	322	323	345	348	349	368	373
		5.5380 - TUBE, RAW WATER PUMP OUTLET (CONT'D)												
	179826	BOLT, 5/16"-18X2" (12.9001)	1	1	1	1	1				1	1	1	
	179829	BOLT, 5/16"-18X2 3/4" (12.9001)	1	1	1	1	1			2	1	1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)								2				
	103341	WASHER, 3/8" (12.9190)								2				
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2			2	2	2	2	
		5.5390 - CLIP, HEAT EXCHANGER RAW WATER INLET TUBE												
5A	5179368	CLIP, 1 1/2" (4.4180)	1	1	1								1	
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1	1	1								1	
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1								1	
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1								1	
		5.5405 - BRACKET, HEAT EXCHANGER RAW WATER INLET TUBE CLIP												
	5155464	BRACKET, 2,3,4-53 (7.1582)	1	1	1								1	
	100014	BOLT, 5/16"-24X1" (12.9001)	1	1	1								1	
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1								1	
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1								1	
		5.5410 - GASKET, RAW WATER FLANGE (AT PUMP)												
	5122648	GASKET, 2,3,4-53 (5.5378)	1	1	1	1	1					1	1	
	5115395	GASKET, 6V53								1				
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET (INTERMEDIATE)												
5A	5128038	* TUBE (DEV. L. 45.64") 4-53	1											
5A	5128037	TUBE (DEV. L. 40.24") 3-53		1	1								1	
		* OBSOLETE.												
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET												
7B	5109808	+ TUBE ASSY., 6V-53								1				1
7B	5135357	+ TUBE ASSY., 8V-53											1	
6A	5122630	ELBOW, 3,4-53	1	1	1									
6A	5126464	ELBOW, 3,4-53				1	1				1	1		
	186629	BOLT, 5/16"-18X1" (12.9001)								4				4
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	4	4	4	4	4				4	4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4			4	4	4	4	4
		+ OBSOLETE.												

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 317	318	319	320	321	322	323	345	348	349	368	373
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE												
6A,B	**5158747**	GASKET, 3,4,6,8V53	1	1	1	1	1			1	1	1	1	1
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE												
5A	**5163930**	# HOSE, 1 1/2" X 2 3/4" 2, 3, 4-53 (5.3290)	2	2	2								2	
	5110373	HOSE, 2" X 3" 6, 8V53 (5.3330)								1				1
	5109545	HOSE, 1 1/2" I.D., FORMED 3, 4-53				1	1				1	1		
5A	**8920537**	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)				2	2			2	2	2	4	2
5A	**2337379**	CLAMP, 1 1/16"-2" DIA. HOSE (12.9660)	4	4	4									
		# STD. LENGTH HOSE. CUT TO LENGTH SHOWN.												
		5.5550 - TUBE, HEAT EXCHANGER RAW WATER OUTLET												
	5126464	ELBOW, 3,4-53 (5.5440)	1	1	1	1	1				1	1	1	
6B	**5119878**	FLANGE, 6,8V53								1				1
	186629	BOLT, 5/16"-18X1" (12.9001)								4				4
	179819	BOLT, 5/16"-18X1 1/4" (12.9001)	4	4	4	4	4				4	4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4			4	4	4	4	4
		5.5570 - GASKET, HEAT EXCHANGER RAW WATER OUTLET TUBE												
6B	**5158747**	GASKET, 3,4,6,8V53 (5.5460)	1	1	1	1	1			1	1	1	1	1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 378	379	380	383	384	385	386	389	392	395	396	399
		5.5001 - TANK EXPANSION												
6A,B	**5135123**	# TANK, 4,6,8V53	1	1		1			1			1	1	
6B	**5107685**	TANK, 6,8V53			1		1	1		1	1			1
	8924380	PLUG, 1/8"-27 PIPE (12.9550)				2						2	2	
	113175	PLUG, 1/8" PIPE BRASS (12.9550)					2							
	8923847	PLUG, 1/4" PIPE (4.7001)			1		1	1		1	1			1
	5111798	PLUG, 1" PIPE (12.9550)										1	1	
	5117186	PLUG, 2" DIA. CUP (1.2001)	2	2	2	2	2	2	2	2	2	2	2	2
	5134851	COVER	1	1	1	1	1	1	1	1	1	1	1	1
	5134679	GASKET (5.3325)	1	1	1	1	1	1	1	1	1	1	1	1
	5177469	SPACER, 13/32"X3/4"X1 3/16" (7.1585)	2	2	2	2	2	2	2	2	2			2
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	2	2	2	2	2	2	2	2	2			2
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)										2	2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	4	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)										2	2	
		# NOT SERVICED; USE 5107685 TANK PLUS (1) 5118060 NECK, (1) 5118061 GASKET, AND (2) 5117186 PLUGS.												
		5.5003 - CORE, HEAT EXCHANGER												
6A,B	**8509553**	CORE, 4,6,8V53	1	1	1		1			1		1	1	1
		5.5010 - ELECTRODE, HEAT EXCHANGER												
6A,B	**8515850**	ELECTRODE ASSY., 4,6,8V53 (INCLUDES 3 3/8 L. ELECTRODE)	1	1	1		1			1		1	1	1
		5.5025 - RETAINER, HEAT EXCHANGER SEAL												
6A,B	**5167766**	RETAINER, 4,6,8V53	1	1	1		1			1		1	1	1
		5.5026 - SEAL, HEAT EXCHANGER												
6A,B	**5167746**	SEAL, 4,6,8V53	2	2	2		2		2	2		2	2	2
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER												
6A,B	**5167745**	GLAND, 4,6,8V53	1	1	1		1			1		1	1	1
		5.5030 - COVER, HEAT EXCHANGER												
6A,B	**5135999**	# COVER, 4,6,8V53 (INLET)	1	1	1		1			1		1	1	1
6A,B	**5167741**	COVER, 4,6,8V53 (OUTLET)	1	1	1		1			1		1	1	1
6B	**5186976**	COVER, 6,8V53 (BLANK)				1		1	1		1			

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 378	379	380	383	384	385	386	389	392	395	396	399
		5.5030 - COVER, HEAT EXCHANGER (CONT'D)												
6A,B	5121893	COVER, 4,6,8V53 (INLET) (5.5440)				1								
6A,B	5123661	COVER, 4,6V53 (BLANK) (4.1290)						2				1	1	
	5117674	COVER, 4,6V53 (INLET)						1	1		1			
	114981	DRAINCOCK, 1/8" (12.9510)	1	1	1		1			1				1
	103847	DRAINCOCK, 1/4" (12.9510)										1	1	
	113175	PLUG, 1/8" PIPE (12.9550)	2	2	2		2			2		2	2	2
	112578	PLUG, 1/4" PIPE (12.9550)	1	1	1		1			1		1	1	1
	113177	PLUG, 3/4" PIPE BRASS (12.9550)	1	1	1		1			1		1	1	1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	10	10	10	20	10	20	20	10	20	10	10	10
	179826	BOLT, 5/16"-18X2" (12.9001)	10	10	10		10			10		10	10	10
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						4				2	2	
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)						4				2	2	
		# NOT SERVICED, USE 5146276 COVER AND (1) 112578 PLUG.												
		5.5050 - GASKET, HEAT EXCHANGER												
6A,B	5167764	GASKET, 4,6,8V53	3	3		2	3	2	2	3	2	3	3	3
6A,B	5123660	GASKET, 4,6V53 (4.1300)						2				1	1	
6B	5146135	GASKET, 6V53			3									
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING												
	5135291	BRACKET, UPPER 6V53	1	1	1	1		1		1				1
	5135355	BRACKET, 8V53					1		1		1			
6A	5138767	BRACKET, UPPER 4-53										1		
	5138761	BRACKET, LOWER 4-53										1		
6A	5138592	BRACKET, UPPER 4-53											1	
	5138585	BRACKET, LOWER 4-53											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										2	2	
	179869	BOLT, 7/16"-14X1 1/8" (12.9001)	2	2	2	2	2	2	2	2	2			2
	180143	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)										2	2	
	103321	LOCKWASHER, 3/8" (12.9200)										2	2	
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	2	2	4
	103323	LOCKWASHER, 1/2" (12.9200)										1	1	
		5.5120 - NECK, EXPANSION TANK FILLER												
	5118060	NECK, 4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK												
	5118061	GASKET, 4,6,8V53	1	1	1	1	1	1	1	1	1	1	1	1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 378	379	380	383	384	385	386	389	392	395	396	399
		5.5140 - CAP, EXPANSION TANK FILLER												
6A,B	850795	CAP, 4,6,8V53	1	1	1		1		1	1	1	1	1	1
6A	850901	CAP, 6V53				1		1						
		5.5190 - TUBE, EXPANSION TANK OVERFLOW												
5A,B	5135900	TUBE ASSY., 4, 6, 8V53 (DEV. L. 17.75")	1	1	1	1	1	1	1	1	1	1	1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)					1		1		1			
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1		1		1		1	1	1
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE												
	3290459	CLIP (2.5220)	1	1	1	1	1	1	1	1	1	1	1	1
		5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)												
	5115395	GASKET, 4,6,8V53 (5.5410)	1	1	1		1			1		1	1	1
		5.5380 - TUBE, RAW WATER PUMP OUTLET												
7B	5125540	TUBE ASSY., 6V-53	1		1					1				1
7B	5109705	TUBE ASSY., 6V-53		1										
7B	5136661	TUBE ASSY., 8V-53					1					1		
	5138746	ELBOW, 4-53 (B ENGINE)											1	
	5138569	ELBOW, 4-53 (D ENGINE)												1
	103647	DRAINCOCK, 1/4" (12.9510)								1				
	112578	PLUG, 1/4" PIPE BRASS (12.9550)	1	1	1									
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2		2			2		1	1	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)										1	1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)												
	103341	WASHER, 3/8" (12.9190)	2	2	2		2			2		2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)					AR							
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET (INTERMEDIATE)												
	5115502	TUBE (DEV. L. 19.00") 8V-53					1							
5A	5138766	+ TUBE (DEV. L. 23.50") 4-53										1		
5A	5140384	+ TUBE (DEV. L. 23.80") 4-53											1	
		+ OBSOLETE.												
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET												
7B	5135498	TUBE ASSY., 6V-53	1		1					1				
7B	5136504	TUBE ASSY., 6V-53		1										1
7B	5137343	TUBE ASSY. 8V-53 (5.5377)					1							

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 378	379	380	383	384	385	386	389	392	395	396	399
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET (CONT'D)												
5A,6A	5138743	* ELBOW, 4-53 (5.5550)										1	1	
	186629	BOLT, 5/16"-18X1" (12.9001)	4	4	4		4			4				4
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4		4			4		4	4	4
		* OBSOLETE												
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE												
5A,B	5158747	GASKET, 3,4,6,8V53	1	1	1		1			1		1	1	1
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE												
	5110373	# HOSE (2 X 3") 6, 8V53 (5.3330)	1	1	1		2			2				2
5A	5199780	# HOSE (2 3/8" X 2 3/4") 4-53 (5.3365)										1	1	
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	2	2	2		4			4				4
5A	5188036	CLAMP, 2 9/16"-3 1/2" DIA. HOSE (12.9660)										2	2	
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		5.5550 - TUBE, HEAT EXCHANGER RAW WATER OUTLET												
	5136504	TUBE ASSY., 8V53								1				1
6B	5119878	FLANGE, 4,6,8V53	1	1	1		1			1		1	1	1
	186629	BOLT, 5/16"-18X1" (12.9001)	4	4	4		4			4				4
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										4	4	
	103320	LOCKWASHER, 5/16" (12.9200)	4	4	4		4			4		4	4	4
		5.5570 - GASKET, HEAT EXCHANGER RAW WATER OUTLET TUBE												
6A,B	5158747	GASKET, 3,4,6,8V53 (5.5460)	1	1	1		1			1		1	1	1
		5.5580 - HOSE, HEAT EXCHANGER WATER OUTLET TUBE												
	5199776	# HOSE, 1 3/4" I.D. X 2.76" L. 4-53 (5.3295)										2	2	
	8920537	CLAMP, 1 9/16" X 2 1/2" (12.9660)										4	4	
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	406	411	413	424	434	440	441	442	443	444
		5.5001 - TANK EXPANSION											
6B	**5107685**	TANK, 6,8V53		1		1							
6B	**5137002**	# TANK ASSY., 6V53			1								
6A	**5125027**	TANK, 3-53					1						
6B	**5144834**	# TANK, 6,8V53 (ALUM.)						1	1	1	1	1	1
	8924380	PLUG, 1/8"-27 PIPE (12.9550)			2		2						
	8923847	PLUG, 1/4" PIPE (4.7001)		1		1							
	5115214	PLUG, 1/2" PIPE (12.9550)					1						
	5109157	PLUG, 1 1/4" DIA. CUP					1						
	5117186	PLUG, 2" DIA. CUP (1.2001)		2	2	2							
	5134851	COVER		1	1	1							
	5134679	GASKET (5.3325)		1	1	1							
	5177469	SPACER, 13/32"X3/4"X1 3/16" (7.1585)		2	2	2							
	5145128	SPACER, 13/32"X2.56"						2	2	2	2	2	2
	179839	BOLT, 3/8"-16X1" (12.9001)		2		2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2								
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)		2	2	2		2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)		4	AR	AR		AR	AR	AR	AR	AR	AR
		# NOT SERVICED; CONVERT TYPE 434 TO TYPE 380, TYPE 440 TO TYPE 385, TYPE 441 TO TYPE 379, TYPE 442 TO TYPE 384, TYPE 443 TO TYPE 386, AND TYPE 444 TO TYPE 378. ALSO INCLUDE (1) 5118060 NECK, (1) 5118061 GASKET, AND (2) 5117186.											
		5.5003 - CORE, HEAT EXCHANGER											
6A,B	**8509553**	CORE, 3,4,6,8V53		1	1	1	1	1		1	1		1
		5.5010 - ELECTRODE, HEAT EXCHANGER											
6A,B	**8515850**	ELECTRODE ASSY. 3, 4, 6, 8V53 (INCLUDES 3 3/8" L. ELECTRODE)		1	1	1	1	1		1	1		1
		5.5025 - RETAINER, HEAT EXCHANGER SEAL											
6A,B	**5167766**	RETAINER, 3,4,6,8V53		1	1	1	1	1		1	1		1
		5.5026 - SEAL, HEAT EXCHANGER											
6A,B	**5167746**	SEAL, 3,4,6,8V53		2	2	2	2	2		2	2		2
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER											
6A,B	**5167745**	GLAND, 3,4,6,8V53		1	1	1	1	1		1	1		1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	404	404	411	413	413	424	434	440	442	443	444
		5.5030 - COVER, HEAT EXCHANGER												
6B	5135999	# COVER, 3,4,6,8V53 (INLET)		1	1	1	1	1		1	1		1	
6A,B	5167741	COVER, 3,6,4,8V53 (OUTLET)		1	1	1	1	1		1	1		1	
	5134939	+ COVER, 6V53 (BOTTOM)			1					1		1	1	
6B	5134851	COVER, 3,4,6,8V53 (OUTLET)						1	1	1	1	1	1	
	5145287	+ COVER, 6,8V53 (INLET)							1			1		
	5186976	COVER, 6,8V53 (INLET)							1			1		
	114981	DRAINCOCK, 1/8" (12.9510)		1		1		1		1	1		1	
	103647	DRAINCOCK, 1/4" (12.9510)			1		1							
	113175	PLUG, 1/8" PIPE (12.9550)		2	2	2	2	2		2	2		2	
	112578	PLUG, 1/4" PIPE (12.9550)		1	1	1	1							
	113177	PLUG, 3/4" PIPE BRASS (12.9550)		1	1	1	1	1		1	1		1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)			8									
	122018	BOLT, 5/16"-18X1" (12.9001)								8			8	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		10	10	10	10							
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)						2	2	2	2	10	2	
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)						10	20	20	10	20	10	
	179826	BOLT, 5/16"-18X2" (12.9001)		10	10	10	10							
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)						10			10		10	
	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, USE 5146276 COVER AND (1) 112578 PLUG.												
		+ OBSOLETE.												
		5.5050 - GASKET, HEAT EXCHANGER												
6A,B	5167764	GASKET, 3,4,6,8V53		3	3		3							
6B	5146135	GASKET, 6V53				3		3	2	3	3	2	3	
6B	5134679	GASKET, 6,8V53 (5.3325)						1	1	1	1	1	1	
6B	5144703	GASKET, 6,8V53								1		1	1	
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING												
6A	5119158	BRACKET, UPPER 3-53					1							
	5135291	BRACKET, UPPER 6V53			1	1		1	1	1			1	
	5135355	BRACKET, 8V53		1							1	1		
	5156405	SPACER, 4-53 (7.1581)					2							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					4							
	186285	BOLT, 3/8"-16X4" (12.9001)					2							
	179859	BOLT, 7/16"-14X1 1/8" (12.9001)		2	2	2		2	2	2	2	2	2	
	180143	BOLT, 7/16"-14X1 1/4" (12.9001)		2	2	2		2	2	2	2	2	2	
	103322	LOCKWASHER, 7/16" (12.9200)		4	4	4		4	4	4	4	4	4	
		5.5080 - GASKET, HEAT EXCHANGER MOUNTING BRACKET												
6A	5116242	GASKET, 3-53 (BRACKET TO HEAD) (1.2044)					1							
6A	5116212	GASKET, 3-53 (BRACKET TO TANK)					1							

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	408	411	413	424	434	440	441	442	443	444
		5.5080 - GASKET, HEAT EXCHANGER MOUNTING BRACKET (CONT'D)											
6A	5175882	GASKET, 3-53 (SPACER TO FRONT COVER) (4.4115)					2						
		5.5120 - NECK, EXPANSION TANK FILLER											
	5118060	NECK, 3,4,6,8V53		1	1	1	1	1	1	1	1	1	1
		5.5130 - GASKET, EXPANSION TANK FILLER NECK											
	5118061	GASKET, 3,4,6,8V53		1	1	1	1	1	1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK FILLER											
6A,B	850795	CAP, 3,4,6,8V53	1	1	1	1	1	1		1	1	1	1
6A	850901	CAP, 6V53							1				
		5.5190 - TUBE, EXPANSION TANK OVERFLOW											
5A	5122569	TUBE ASSY., 3-53 (DEV. L. 14")					1						
5A,B	5135900	TUBE ASSY., 4, 6, 8V53 (DEV L. 17.75")		1	1	1		1	1	1	1	1	1
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1	1	1	1	1	1	1	1
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE											
	3290459	CLIP (2.5220)		1	1	1	1	1	1	1	1	1	1
		5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)											
	5115395	GASKET, 3,4,6,8V53 (5.5410)	1	1	1	1		1		1	1		1
		5.5380 - TUBE, RAW WATER PUMP OUTLET											
7B	5125540	TUBE ASSY., 6V-53	1		1			1					1
7B	5109705	TUBE ASSY., 6V-53				1				1			
7B	5136661	TUBE ASSY., 8V-53		1			1				1		
	5145483	CONNECTOR, 1"X1.50" HOSE								1			
	103647	DRAINCOCK, 1/4" (12.9510)				1							
	112578	PLUG, 1/4" PIPE BRASS (12.9550)	1		1			1					1
	113177	PLUG, 3/4" PIPE BRASS (12.9550)		1							1		
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2	2	2		2		2	2		2

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4022	4046	4111	4113	4224	4334	4440	4441	4442	4443	4444
		5.5380 - TUBE, RAW WATER PUMP OUTLET (CONT'D)											
	103341	*WASHER, 3/8" (12.9200)*	2	2	2	2		2		2	2		2
	103321	LOCKWASHER, 3/8" (12.9200)		AR							AR		
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET (INTERMEDIATE)											
	5115502	TUBE (DEV. L. 19.00") 8V-53					1				1		
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET											
7B	5135498	TUBE ASSY., 6V-53			1	1		1					1
7B	5137343	TUBE ASSY. 8V-53 (5.5377)		1							1		
5A,6A	5122630	ELBOW					1						
	186629	BOLT, 5/16"-18X1" (12.9001)		4	4	4		4		4	4		4
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					4						
	103320	LOCKWASHER, 5/16" (12.9200)		4	4	4	4	4		4	4		4
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE											
5A,B	5158747	GASKET, 3,4,6,8V53		1	1	1	1	1		1	1		1
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE											
5A	5144164	HOSE (1.5" X 12.25" L) 3-53					1						
	5110373	# HOSE (2" X 3") 6, 8V53 (5.3330)		2	1	2		1		2	2		1
5A	2337379	CLAMP, 1 1/16"-2" DIA. HOSE (12.9660)					2						
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)		4	2	4		2		4	4		2
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.											
		5.5550 - TUBE, HEAT EXCHANGER RAW WATER OUTLET											
	5136504	TUBE ASSY., 8V53		1		1				1			
6B	5119878	FLANGE, 4,6,8V53			1			1		1	1		1
	5126464	ELBOW					1						
	186629	BOLT, 5/16"-18X1" (12.9001)		4	4	4		4		4	4		4
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					4						
	103320	LOCKWASHER, 5/16" (12.9200)		4	4	4	4	4		4	4		4

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 402	408	411	413	424	434	440	441	442	443	444
		5.5570 - GASKET, HEAT EXCHANGER WATER OUTLET TUBE											
6A,8	**5158747**	GASKET, 3,4,6,8V53 (5.5460)		1	1	1	1	1		1	1		1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 445	446	447	448	449	451	457	481	482	489	490
		5.5001 - TANK EXPANSION											
6A,B	**5144834**	# TANK, 4,6,8V53 (ALUM.)	1	1	1	1	1	1					
6B	**5107685**	TANK, 8V53							1				1
6B	**5108124**	% TANK, 6V53								1	1	1	
	5145128	SPACER, 13/32"X2.56" L.			2	2	2	2					
	5177469	SPACER, 13/32"X3/4"X1 3/16" (7.1585)							2	2	2	2	2
	8923847	PLUG, 1/4" PIPE (4.7001)							1				1
	5117186	PLUG, 2" DIA. CUP (1.2001)							2	2	2	2	2
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)			2	2	2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	2	2	2	2	2	2	2
		# NOT SERVICED; CONVERT TYPE 445 TO TYPE 395, TYPE 446 TO TYPE 396, TYPE 447 TO TYPE 380, TYPE 448 TO TYPE 413, TYPE 449 TO TYPE 406, AND TYPE 451 TO TYPE 392.											
		% NOT SERVICED; FOR SERVICE USE 5107685 PLUS 2-5117186, 1-5118060 AND 1-5118061.											
		5.5003 - CORE, HEAT EXCHANGER											
6A,B	**8509553**	CORE, 4,6,8V53	1	1	1	1	1		1	1	1		
		5.5010 - ELECTRODE, HEAT EXCHANGER											
6A,B	**8515850**	ELECTRODE ASSY., 4, 6, 8V53 (INCLUDES 3 3/8" L. ELECTRODE)	1	1	1	1	1		1	1	1		
		5.5025 - RETAINER, HEAT EXCHANGER SEAL											
6A,B	**5167766**	RETAINER, 4,6,8V53	1	1	1	1	1		1	1	1		
		5.5026 - SEAL, HEAT EXCHANGER											
6A,B	**5167746**	SEAL, 4,6,8V53	2	2	2	2	2		2	2	2		
		5.5027 - GLAND, HEAT EXCHANGER SEAL RETAINER											
6A,B	**5167745**	GLAND, 4,6,8V53	1	1	1	1	1		1	1	1		
		5.5030 - COVER, HEAT EXCHANGER											
6A,B	**5146276**	COVER, 4,6,8V53 (INLET)	1	1	1	1	1		1	1	1		
	5167741	COVER, 4,6,8V53 (OUTLET)	1	1	1	1	1		1	1	1		
	5123661	COVER, 4-53 (OUTLET)	1	1									
	5134939	+ COVER, 4,8V53 (BOTTOM)	1	1					1				
6A,B	**5145287**	+ COVER, 4,6,8V53 (INLET)						1					
6A,B	**5186976**	COVER, 4,6,8V53 (INLET)						1				1	1
6A,B	**5134851**	COVER, 4,6,8V53 (OUTLET)	1	1	1	1	1	1	1	1	1	1	1
	5117674	COVER, 6V53 (INLET)										1	1
	5146505	COVER, 6V53 (4.4060)											1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 445	446	447	448	449	451	457	481	482	489	490
		5.5030 - COVER, HEAT EXCHANGER (CONT'D)											
	114981	DRAINCOCK, 1/8" (12.9510)	1	1	1	1	1		1	2	2		
	455603	PLUG, 1/8"-27 SQ HD. (12.9550)	2	2									
	113175	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1		1	1	1		
	112578	PLUG, 1/4" PIPE (12.9550)	1	1	1	1	1		1	1	1		
	113177	PLUG, 3/4" PIPE (12.9550)	1	1	1	1	1		1	1	1		
	5173336	PLUG, 1" HEADLESS (12.9550)	1	1									
	5115214	PLUG, 1/2" PIPE (12.9550)											2
	5150155	GASKET (4.4030)											1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)							10	10	10	20	20
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	12	12	2	2	2	2	8				
	180083	BOLT, 5/16"-18X1 1/2" (12.9001)	10	10	10	10	10	20					
	179826	BOLT, 5/16"-18X2" (12.9001)							10	10	10		
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	10	10	10	10	10						
	186629	BOLT, 5/16"-18X1" (12.9001)											8
	179839	BOLT, 3/8"-16X1" (12.9001)							2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)							2	2	2	2	2
		+ OBSOLETE											
		5.5050 - GASKET, HEAT EXCHANGER											
6B	**5146135**	GASKET, 4,6,8V53	3	3	3	3	3	2		3	3		
6B	**5134679**	GASKET, 4,6,8V53	1	1	1	1	1	1	1	1	1	1	1
6B	**5146137**	GASKET, 4,6,8V53	1	1									
6B	**5144703**	GASKET, 4,6,8V53 (BOTTOM COVER)	1	1					1				
6B	**5167764**	GASKET, 4,6,8V53							3			2	2
		5.5070 - BRACKET, HEAT EXCHANGER MOUNTING											
	5138767	BRACKET, 4-53 (UPPER)	1										
	5138761	BRACKET, 4-53 (LOWER)	1										
	5138592	BRACKET, 4-53 (UPPER)		1									
	5138585	BRACKET, 4-53 (LOWER)		1									
	5135291	BRACKET, 6V53 (UPPER)			1	1				1	1	1	1
	5135355	BRACKET, 8V53					1	1	1				
	5145143	SPACER, 13/32"X1.40" L.	2	2									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2									
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)	2	2									
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			2	2	2	2	2	2	2	2	2
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)	2	2									
	103321	LOCKWASHER, 3/8" (12.9200)	4	4									
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	4	4	4	4	4	4	4	4	4
	103323	LOCKWASHER, 1/2" (12.9200)	1	1									
	117049	NUT, 3/8"-24 (12.9120)	2	2									
		5.5120 - NECK, EXPANSION TANK FILLER											
	5118060	NECK, 8V53							1	1	1	1	1

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 445	446	447	448	449	451	457	481	482	489	490
		5.5130 - GASKET, EXPANSION TANK FILLER NECK											
	5118061	GASKET, 8V53							1	1	1	1	1
		5.5140 - CAP, EXPANSION TANK FILLER											
6B	**850795**	CAP, 4,6,8V53	1	1	1	1	1	1	1	1	1		
	850901	CAP, 6V53										1	1
		5.5190 - TUBE, EXPANSION TANK OVERFLOW											
7B	**5135900**	TUBE ASSY., 4, 6, 8V53 (DEV L. 17.75" L.)	1	1	1	1	1	1	1	1	1	1	1
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1	1	1	1		1	1	1	1
	9432245	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)							1				
		5.5200 - CLIP, EXPANSION TANK OVERFLOW TUBE											
	3290459	CLIP (2.5220)	1	1	1	1	1	1	1	1	1	1	1
		5.5378 - GASKET, RAW WATER FLANGE (AT PUMP)											
	5115395	GASKET (5.5410)	1	1	1	1	1	1	1	1	1		
		5.5380 - TUBE, RAW WATER PUMP OUTLET											
7B	**5125540**	TUBE ASSY., 6V-53			1								
7B	**5109705**	TUBE ASSY., 6V-53				1							
7B	**5136661**	TUBE ASSY., 6V-53					1		1				
	5107007	TUBE ASSY., 6V-53								1			
	5107005	TUBE ASSY., 6V-53									1		
	5138746	ELBOW	1										
	5138569	ELBOW		1									
	103647	DRAINCOCK, 1/4" (12.9510)				1							
7B	**112578**	PLUG, 1/4" PIPE (12.9550)			1								
7B	**113177**	PLUG, 3/4" PIPE BRASS (12.9550)					1		1				
	179839	BOLT, 3/8"-16X1" (12.9001)			1	1	2		2	2	2		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	1									
	179849	BOLT, 3/8"-16X2 1/2" (12.9001)	1	1									
	103341	WASHER, 3/8" (12.9190)			2	2	2		2	2	2		
	103321	LOCKWASHER, 3/8" (12.9200)	2	2			2		2				
		5.5430 - TUBE, HEAT EXCHANGER RAW WATER INLET (INTERMEDIATE)											
	5138766	+ TUBE (DEV. L. 23.50") 4-53	1										
	5140384	+ TUBE (DEV. L. 23.80") 4-53		1									
7B	**5115502**	TUBE (DEV. L. 19.00") 8V-53					1		1				

+ OBSOLETE.

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5.5000A HEAT EXCHANGER OR KEEL COOLING

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 445	446	447	448	449	451	457	481	482	489	490
		5.5440 - TUBE, HEAT EXCHANGER RAW WATER INLET											
7B	5135498	TUBE ASSY., 6V53			1								
	5125538	+ TUBE ASSY., 6V53				1							
7B	5137343	TUBE ASSY., 8V53 (5.5377)					1		1				
	5107011	TUBE ASSY., 6V53								1			
	5107013	TUBE ASSY., 6V53									1		
	5138743	* ELBOW, 4-53 (5.5550)	1	1									
	186629	BOLT, 5/16"-18X1" (12.9001)			4	4	4		4	4	4		
	103320	LOCKWASHER, 5/16" (12.9200)			4	4	4		4	4	4		
		* OBSOLETE											
		+ NOT SERVICED; FOR SERVICE USE 5135498.											
		5.5460 - GASKET, HEAT EXCHANGER RAW WATER INLET TUBE											
	5158747	GASKET, 6,8V53			1	1	1		1	1	1		
		5.5470 - HOSE, HEAT EXCHANGER RAW WATER INLET TUBE											
	5199780	+ HOSE, 2 3/8" I.D. X 2.76" L. (5.3365)	1	1									
	5199776	+ HOSE (1 3/4" X 2.76" L.) 4-53 (5.3295)	2	2									
	5110373	+ HOSE (2" X 3") 6, 8V53 (5.5330)			1	1	2		2				
	8920537	CLAMP, 1 9/16"-2 1/2" DIA. HOSE (12.9660)	4	4	2	2	4		4				
	5188036	CLAMP, 2 9/16"-3 1/2" DIA. HOSE (12.9660)	2	2									
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.											
		5.5550 - TUBE, HEAT EXCHANGER RAW WATER OUTLET											
	5136504	TUBE ASSY., 6,8V53 (5.5440)			1	1	1						
6B	5119878	FLANGE, 4,8V53	1	1					1	1	1		
	186629	BOLT, 5/16"-18X1" (12.9001)			4	4	4		4	4	4		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	8	8									
	103320	LOCKWASHER, 5/16" (12.9200)	8	8	4	4	4		4	4	4		
		5.5570 - GASKET, HEAT EXCHANGER RAW WATER OUTLET TUBE											
6B	5158747	GASKET, 4,6,8V53 (5.5460)	1	1	1	1	1		1	1	1		

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	48	53	54	55	56	57	58
		5.6001 - PUMP ASSY., RAW WATER												
		A PUMP ASSY. INCLUDES ITEMS IN 5.6010 THRU 5.6320 EXCEPT 5.6220.												
7A,B	**5122509**	* PUMP ASSY., 2,3,4,6V53	1	1										
7A,B	**5115396**	PUMP ASSY., 4,6,8V53			1			1		1	1			
7B	**5137208**	PUMP ASSY., 6V53				1	1		1			1	1	
	5144197	PUMP ASSY., 4-53							2					1
7B	**5145578**	PUMP ASSY., 2,3,4-53												1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	1										
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	1		1	1	1	1		1	1	1	1	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	4		4									
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4		4	4	4	2	4	4	4	4	4
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)												
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1									
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	2					
	103323	LOCKWASHER, 1/2" (12.9200)												
	102635	NUT, 3/8"-16 (12.9120)							2					
		* NOT SERVICED, COMPONENTS ARE AVAILABLE; FOR COMPLETE REPLACEMENT USE PUMP ASSY. 5145578.												
		5.6010 - HOUSING, RAW WATER PUMP DRIVE												
7A,B	**5108174**	ADAPTOR, 2,3,4,6V53	1	1										1
7A,B	**5193551**	ADAPTOR, 4,6,8V53			1	1	1	1		1	1	1	1	
		5.6012 - GASKET, RAW WATER PUMP ADAPTOR												
A	**5196513**	GASKET, 2,3,4,6V53	1	1										1
8B	**5194567**	GASKET, 4,6,8V53			1	1	1	1		1	1	1	1	
		5.6020 - HOUSING, RAW WATER PUMP IMPELLER												
8A,B	**5196517**	# BODY, 2,3,4,6V53	1	1										
8A,B	**5195411**	BODY, 4,6,8V53			1	1	1	1		1	1	1	1	
8A	**5199017**	BODY, 4-53							1					1
8A,B	**5199377**	BODY, 2,3,4-53												
8A,B	**5193556**	PLATE, WEAR 4,6,8V53			1	1	1	1		1	1	1	1	
8A	**5195753**	PLATE, WEAR 4-53							1					
	5197597	PIN, 3/16"X5/16" DOWEL (12.9290)			1	1	1	1		1	1	1	1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)	3	3										
	186678	BOLT, 3/8"-16X1" (12.9001)			6	6	6	6		6	6	6	6	
	120382	LOCKWASHER, 3/8" (12.9200)	3	AR	6	6	6	AR		6	AR	6	6	
		# NOT SERVICED; FOR REPLACEMENT USE 5199377 BODY, PLUS (1) 8920913 COVER, (1) 5199150 SEAL, AND (1) 5199378 SPACER SEAL.												

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	48	53	54	55	56	57	58
		5.6025 - RECONDITIONING KIT, RAW WATER PUMP												
	5197225	RECONDITIONING KIT, 2,3,4,6V53	AR	AR				AR						
	5197224	RECONDITIONING KIT, 6,8V53			AR	AR	AR			AR	AR	AR	AR	
	5199850	RECONDITIONING KIT												AR
		5.6035 - CAM, RAW WATER PUMP BODY OFFSET												
8A,B	**5196695**	CAM ASSY., 2,3,4,6V53 (INCLUDES WEAR PLATE)	1	1										1
8B	**5193554**	CAM, 6,8V53			1	1	1	1		1	1	1	1	
8A	**5195899**	CAM, 4-53							1					
8A,B	**101076**	SCREW, #10-32X1/2" FIL. HD. (12.9010)	1	1										1
	101088	SCREW, #12-24X3/8" (12.9001)							1					
8B	**114366**	SCREW, 1/4"-20X1/2" FIL. HD. (12.9010)			1	1	1	1		1	1	1	1	
		5.6090 - COVER, RAW WATER PUMP												
8A,B	**5196585**	COVER, 2,3,4,6V53 (END)	1	1										
8A,B	**5193555**	COVER, 4,6,8V53 (END)			1	1	1	1		1	1	1	1	
8A	**5199147**	COVER, 4-53 (END)							1					
8A	**8920913**	COVER, 2,3,4-53 (END)												1
8A,B	**101075**	SCREW,#10-32X3/8" FIL. HD. (12.9010)	6	6					6					6
8B	**114366**	SCREW, 1/4"-20X1/2" FIL. HD. (12.9010)			5					5	5			
		5.6100 - GASKET, RAW WATER PUMP COVER												
8A,B	**5193562**	GASKET, 4,6,8V53			1	1	1	1		1	1	1	1	
8A	**5193603**	GASKET, 3,4-53	1	1					1					1
		5.6120 - SHAFT, RAW WATER PUMP												
8A,B	**5196515**	SHAFT, 2,3,4,6V53 (BRONZE)	1	1										1
8A,B	**5197653**	SHAFT, 2,3,4,6V53 (STAINLESS STEEL)	AR	AR										
8A,B	**5193552**	SHAFT, 4,6,8V53 (BRASS)			1			1		1	1			
8B	**5198405**	SHAFT, 6V53 (MONEL)				1	1					1	1	

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5.6000A RAW WATER PUMP

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	48	53	54	55	56	57	58
		5.6120 - SHAFT, RAW WATER PUMP (CONT'D)												
	5199151	SHAFT, 4-53							1					
		5.6130 - BEARING, RAW WATER PUMP												
8A	954806	BEARING, 2,3,4,6V53 (N.D. 55504X1Z)	1	1					1					1
8B	954799	BEARING, 4,6,8V53 (N.D. 55506L1Z)			1	1	1	1		1	1	1	1	
		5.6140 - RING, RAW WATER PUMP BEARING RETAINER												
8A	9416358	RING, 2,3,4,6V53	1	1										1
8B	9415285	RING, 4,6,8V53 (LARGE) (2.7470)			1	1	1	1				1	1	
8B	5193569	RING, 4,6,8V53 (SMALL)			1	1	1	1		1	1	1	1	
	5199400	RING, 4-53							1					
	5199152	RING, 4-53							1					
		5.6160 - SEAL, RAW WATER PUMP BEARING												
8A	5195019	SEAL, 2,3,4,6V53	1	1					1					1
8B	5195101	SEAL, 4,6,8V53			1	1	1	1		1	1	1	1	
		5.6170 - SEAL, RAW WATER PUMP SHAFT												
8A	5193599	SEAL ASSY., 2,3,4,6V53	1	1										
	5198419	* SEAL ASSY., 4,6,8V53			1	1	1	1		1	1	1	1	
	5199150	SEAL, 3,4-53							1					1
		* INCLUDES ITEMS IN 5.6173 THRU 5.6178.												
		5.6173 - SEAT, RAW WATER PUMP SHAFT SEAL												
8A	5193597	SEAT, 2,3,4,6V53 (SPACER)	1	1										
	5193565	# SEAT, 6,8V53			1									
	5198420	# SEAT ASSY., 4,6,8V53			1	1	1	1		1	1	1	1	
		# NOT SERVICED, FOR COMPLETE REPLACEMENT USE 5198419.												
		5.6175 - RING, RAW WATER PUMP SHAFT SEAL FRICTION												
	5193564	SEAL, 6,8V53 (CARBON)			1	1	1	1		1	1	1	1	

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	48	53	54	55	56	57	58
		5.6176 - RING, RAW WATER PUMP SHAFT SEAL												
8A	5193598	RING, 2,3,4,6V53 ("O" SECTION)	1	1										
	5193567	RING, 6,8V53 ("O" SECTION)			1	1	1	1		1	1	1	1	
	5193566	# RING, 6,8V53 (SQUARE SECTION)			1									
		# NOT SERVICED, FOR COMPLETE REPLACEMENT USE 5198419.												
		5.6178 - SPRING, RAW WATER PUMP SHAFT SEAL												
	5193563	WASHER, 6,8V53 (MARCEL)			1	1	1	1		1	1	1	1	
		5.6200 - SLINGER, RAW WATER PUMP SHAFT												
8A	5196512	SLINGER, 2,3,4,6V53	1	1										
8B	5193676	SLINGER, 6,8V53			1	1	1	1		1	1	1	1	
		5.6220 - REPLACEMENT KIT, RAW WATER PUMP SEAL & IMPELLER												
		INCLUDES 5193553 OR 5193602 IMPELLER IN 5.6230, SEAL ASSY. IN 5.6170 GASKET IN 5.6100. KITS 5197227 AND 5194860 ALSO INCLUDE SCREWS IN 5.6090 AND SEAL RING IN 5.6176.												
	5197227	REPLACEMENT KIT, 2,3,4,6V53	AR	AR										
	5194860	REPLACEMENT KIT, 6,8V53			AR	AR	AR	AR		AR	AR	AR	AR	
	5199851	REPLACEMENT KIT, 2,3,4-53												AR
		5.6230 - IMPLELLER, RAW WATER PUMP												
		PUMPS INCLUDE SYNTHETIC RUBBER IMPELLER. FOR COLD WATER OPERATION A NATURAL RUBBER IMPELLER IS AVAILABLE.												
8A	5193602	IMPELLER, 2,3,4,6V53 (SYNTHETIC)	1	1					1					1
8A	5196629	IMPELLER 2,3,4,6,8V53 (NATURAL) (GREEN STRIPE)	AR	AR										
8B	5193553	IMPELLER, 6,8V53 (SYNTHETIC)			1	1	1	1		1	1	1	1	
8B	5196628	IMPELLER, 6,8V53 (NATURAL) (GREEN STRIPE)			AR	AR	AR	AR				AR	AR	
		5.6320 - GEAR, RAW WATER PUMP DRIVE												
8A	5193576	GEAR, 2,3,4,6,8V53	1	1						1	1			1
	120051	KEY, 5/32"X7/8" WOODRUFF (12.9350)			1									
	5161024	KEY, 5/32"X7/8" WOODRUFF (5.6230)				1	1	1		1	1	1	1	

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	48	53	54	55	56	57	58
		5.6320 - GEAR, RAW WATER PUMP DRIVE (CONT'D)												
8B	103325	LOCKWASHER, 5/8" (12.9200)			1	1	1	1		1	1	1	1	
8B	122366	NUT, 5/8"-18 (12.9120)			1	1	1	1		1	1	1	1	
		5.6350 - GASKET, RAW WATER PUMP												
*	5104506	GASKET, 2,3,4,6V53 (1.5040)	1	1										
		* FIG. 8A OF 1.0000.												
		5.6380 - BRACKET, RAW WATER PUMP MOUNTING												
	5144165	BRACKET, 4-53							1					
	5144167	BRACKET, 4-53							1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)							1					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							3					
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							2					
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							1					
	5150230	WASHER, 3/8"X1 3/16" (3.4120)							1					
	103321	LOCKWASHER, 3/8" (12.9200)							2					
	103322	LOCKWASHER, 7/16" (12.9200)							5					
	102635	NUT, 3/8"-16 (12.9120)							1					
									2					
		5.6410 - PLATE, RAW WATER PUMP DRIVE												
8A,B	5153449	* @ PLATE, 2,3,4,6V53 (21 TEETH) (1.7630)	1	1	1									
8A,B	5170450	PLATE, 2,3,4,6V71								1	1	1	1	1
8A,B	5131627	# DISC, 2,3,4,6,8V53 (21 TEETH)	1	1	1	1	1	1						
8B	5176474	BOLT (1.7630)	4		4	4	4					4		
	5145092	BOLT, 3/8"-24X1.20" (12.5015)								4		4	4	
	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4	3				3			3			3
	103321	LOCKWASHER, 3/8" (12.9200)	4		4									
	9413533	NUT, 3/8"-24 SELF-LOCKING (12.9120)		1				1			1			1
	5145431	NUT, 3/8"-24 JAM (12.4037)									1			1
		* THRU 2D-16010, 3D-13731, 4D-17088, 6D-7119.												
		@ NOT SERVICED, USE 5131627 AND INCLUDE (1) 5143616 COUPLING.												
		# EFFECTIVE WITH 2D-16011, 3D-13732, 4D-17089, 6D-7120.												
		5.6413 - RETAINER, CAM OR BALANCER GEAR												
8A	5122922	RETAINER (1.7207)	1	1	1			1						
	5122923	STUD (1.7633)		1				1						
	5108836	STUD (1.7631)									1			1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	48	53	54	55	56	57	58
		5.6413 - RETAINER, CAM OR BALANCER GEAR (CONT'D)												
	124925	NUT, 3/8"-24 (12.9120)		1				1		1				
		5.6420 - COUPLING, RAW WATER PUMP DRIVE												
8A,B	**3292492**	* COUPLING, 2,3,4,6V53 (EXTERNAL GEAR, 23 TEETH) (1.7635)	1	1	1									
8A,B	**5143616**	# COUPLING (EXTERNAL GEAR, 21 TEETH) (1.7635)	1	1	1	1	1	1		1	1	1	1	1
		* NOT SERVICED; USE 5143616 AND INCLUDE (1) 5131627 PLATE. # EFFECTIVE WITH 2D-16011, 3D-13732, 4D-17089, 6D-7120.												
		5.6500 - CONNECTION, RAW WATER PUMP INLET												
	5114776	ELBOW, 4,6V53 (5.5377)				1		1		1	1	1		
	5109936	ELBOW, 6V53 (5.5377)					1						1	
	5128086	ELBOW, 2,4-53 (5.5377)												1
	8517473	ELECTRODE ASSY., 2,3,4-53 (1 1/4" ELECTRODE) (5.5010)												1
	8515841	ELECTRODE ASSY., 4,6,8V71 (INCLUDES 2 1/8" ELECTRODE) (5.5010)			1	1	1	1		1	1	1	1	
	113177	PLUG, 3/4" PIPE BRASS (12.9550)				1		1		1	1	1		2
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)					2						2	
	179839	BOLT, 3/8"-16X1" (12.9001)				2		2		2	2	2		
	179847	BOLT, 3/8"-16X2" (12.9001)												2
	103320	LOCKWASHER, 5/16" (12.9200)				2	2	2		2	2	2	2	
	103321	LOCKWASHER, 3/8" (12.9200)												
		5.6510 - GASKET, RAW WATER PUMP INLET CONNECTION												
	5115395	GASKET, 4,6V53 (5.5410)				1	1	1		1	1	1	1	
		5.6600 - CONE, RAW WATER PUMP CLUTCH												
	5199401	CONE, 4-53							1					

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5.6000A RAW WATER PUMP

PART NUMBER	NAME AND DESCRIPTION	TYPES 38	39	40	44	45	48	53	54	55	56	57	58
5.6610 - SHIELD, RAW WATER PUMP CLUTCH													
5199402	SHIELD, 4-53							1					
5199410	SPRING, 4-53							1					
5.6620 - PIN, RAW WATER PUMP BALL													
455972	PIN, 3/16"X1 3/8" ROLL							1					
455481	PIN, 3/16"X1" ROLL							1					
5.6630 - KNOB, RAW WATER PUMP HANDLE													
5199404	KNOB, PUMP HANDLE 4-53							1					
5.6640 - HANDLE, RAW WATER PUMP CLUTCH													
5199405	HANDLE, 4-53							1					
5.6650 - PLUG, RAW WATER PUMP TUBE													
5199407	PLUG							1					
5.6660 - SPRING, RAW WATER PUMP GUIDE TUBE													
5199406	SPRING, GUIDE 4-53							1					
5.6670 - TUBE, RAW WATER PUMP GUIDE													
5199409	TUBE, GUIDE 4-53							1					

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	74	85	86	89
		5.6001 - PUMP ASSY., RAW WATER							
		A PUMP ASSY. INCLUDES ITEMS IN 5.6010 THRU 5.6320 EXCEPT 5.6220.							
7A,B	**5115396**	PUMP ASSY., 4,6,8V53				1			
7A,B	**5145578**	PUMP ASSY., 2,3,4,6V53	1	1	1		1		
7A	**5144197**	PUMP ASSY., 3-53						1	
7B	**5107480**	PUMP ASSY., 6,8V53							1
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)					4		
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4	4	4			4
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	1	1	1		1		
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				1			1
		5.6010 - HOUSING, RAW WATER PUMP DRIVE							
7A,B	**5108174**	ADAPTOR, 2,3,4,6V53	1	1	1		1		
7A,B	**5193551**	ADAPTOR, 4,6,8V53				1			1
		5.6012 - GASKET, RAW WATER PUMP ADAPTOR							
8A,B	**5196513**	GASKET, 2,3,4,6V53	1	1	1		1		
8A,B	**5194567**	GASKET, 4,6,8V53				1			1
		5.6020 - HOUSING, RAW WATER PUMP IMPELLER							
8A	**5199017**	BODY, 3-53						1	
8A,B	**5195411**	BODY, 2,3,4,6V53				1			1
8A,B	**5199377**	BODY, 4,6,8V53	1	1	1		1		
8A	**5193556**	PLATE, WEAR 4-53				1			1
8A	**5195753**	PLATE, WEAR 3-53						1	
	5197597	PIN, 3/16"X5/16" DOWEL				1			1
	5195752	PIN, DOWEL (5.6010)						1	
	186678	BOLT, 3/8"-16X1" (12.9001)				6			6
	120382	LOCKWASHER, 3/8" (12.9200)				6			6
		5.6025 - RECONDITIONING KIT, RAW WATER PUMP							
	5197224	RECONDITIONING KIT, 6,8V53				AR			AR
	5199850	RECONDITIONING KIT, 2,3,4-53	AR	AR	AR		AR	AR	
		5.6035 - CAM, RAW WATER PUMP BODY OFFSET							
8A,B	**5196695**	CAM ASSY., 2,3,4,6V53 (INCLUDES WEAR PLATE)	1	1			1		
8B	**5193554**	CAM, 6,8V53				1			1
8A	**5195899**	CAM, 3-53						1	
8A	**101076**	SCREW, #10-32X1/2" FIL. HD. (12.9010)	1	1	1		1		
	101088	SCREW, #12-24 X 3/8" FIL. HD. (12.9010)						1	
		5.6090 - COVER, RAW WATER PUMP							
8A,B	**5193555**	COVER, 4,6,8V53 (END)				1			1
8A	**8920913**	COVER, 2,3,4-53 (END)	1	1	1		1		
8A	**5199147**	COVER, 3-53						1	
8A	**101075**	SCREW, #10-32 X 3/8" FIL. HD. (12.9010)	6	6	6		6	6	

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5.6000A RAW WATER PUMP

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	74	85	86	89
		5.6090 - COVER, RAW WATER PUMP (CONT'D)							
8B	114366	SCREW, 1/4"-20X1/2" FIL. HD. (12.9010)				5			6
		5.6100 - GASKET, RAW WATER PUMP COVER							
8A,B	5193562	GASKET, 4,6,8V53				1			1
8A,B	5193603	GASKET, 3,4,6V53	1	1	1		1	1	
		5.6120 - SHAFT, RAW WATER PUMP							
8A,B	5196515	SHAFT, 2,3,4,6V53 (BRONZE)	1	1	1		1		
8A,B	5193552	SHAFT, 4,6,8V53 (BRASS)				1			1
	5199151	SHAFT, 3-53						1	
		5.6130 - BEARING, RAW WATER PUMP							
8A,B	954806	BEARING, 2,3,4,6V53 (N.D. 55504X1Z)	1	1	1		1	1	
8A,B	954799	BEARING, 4,6,8V53 (N.D. 55506L1Z)				1			1
		5.6140 - RING, RAW WATER PUMP BEARING RETAINER							
8A,B	9416358	RING, 2,3,4,6V53	1	1	1		1		
8A,B	5193569	RING, 4,6,8V53 (SMALL)				1			1
	5199400	RING, 3-53						1	
	5199152	RING, 3-53						1	
		5.6160 - SEAL, RAW WATER PUMP BEARING							
8A	5195019	SEAL, 2,3,4,6V53	1	1	1		1	1	
8B	5195101	SEAL, 4,6,8V53				1			1
		5.6170 - SEAL, RAW WATER PUMP SHAFT							
8B	5198419	* SEAL ASSY., 4,6,8V53				1			1
	5199150	SEAL, 3,4,6V53	1	1	1		1	1	
	5199378	SPACER, SEAL 2,3,4,6V-53	1	1	1		1		
		* INCLUDES ITEMS IN 5.6173 THRU 5.6178.							
		5.6173 - SEAT, RAW WATER PUMP SHAFT SEAL							
	5198420	SEAT ASSY., 4,6,8V53				1			1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	74	85	86	89
		5.6175 - RING, RAW WATER PUMP SHAFT SEAL FRICTION							
	5193564	SEAL, 6,8V53 (CARBON)				1			1
		5.6176 - RING, RAW WATER PUMP SHAFT SEAL							
	5193567	RING, 6,8V53 ("O" SECTION)				1			1
		5.6178 - SPRING, RAW WATER PUMP SHAFT SEAL							
	5193563	WASHER, 6,8V53 (MARCEL)				1			1
	5193667	WASHER (W/PUMP SHADT)							1
		5.6200 - SLINGER, RAW WATER PUMP SHAFT							
8B	**5193676**	SLINGER, 6,8V53				1			1
		5.6220 - REPLACEMENT KIT, RAW WATER PUMP SEAL AND IMPELLER							
		INCLUDES 5193553 OR 5193602 IMPELLER IN 5.6230, SEAL ASSY. IN 5.6170, AND GASKET IN 5.6100. KITS 5197227 AND 5194860 ALSO INCLUDE SCREWS IN 5.6090 AND SEAL RING IN 5.6176.							
	5194860	REPLACEMENT KIT, 6,8V53				AR			AR
	5199851	REPLACEMENT KIT, 2,3,4-53	AR	AR	AR		AR	AR	
		5.6230 - IMPELLER, RAW WATER PUMP							
		PUMPS INCLUDE SYNTHETIC RUBBER IMPELLER. FOR COLD WATER OPERATION A NATURAL RUBBER IMPELLER IS AVAILABLE.							
8A	**5193602**	IMPELLER, 2,3,4,6V53 (SYNTHETIC)	1	1	1		1	1	
8B	**5193553**	IMPELLER, 6,8V53 (SYNTHETIC)				1			1
		5.6320 - GEAR, RAW WATER PUMP DRIVE							
8A	**5193576**	GEAR, 2,3,4,6,8V53	1	1	1		1		1
	5161024	KEY, 5/32"X7/8" WOODRUFF (5.6230)				1			1
8B	**103325**	LOCKWASHER, 5/8" (12.9200)				1			1
8B	**122366**	NUT, 5/8"-18 (12.9120)				1			1

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	74	85	86	89
		5.6350 - GASKET, RAW WATER PUMP							
	5122648	GASKET, 2,3,4-53 (1.5040)	1	1	1		1		
		5.6410 - PLATE, RAW WATER PUMP DRIVE							
8A,B	5170450	PLATE, 2,3,4,6V53	1	1	1	1	1		1
	5145092	BOLT, 3/8"-24X1.20" (12.5015)				4	4		4
	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4	3	4				
	9413533	NUT, 3/8"-24 SELF-LOCKING (12.9120)		1					
	5145431	NUT, 3/8"-24 JAM (12.4037)		1					
		5.6413 - RETAINER, CAM OR BLANCER GEAR							
	5108836	STUD, 3/8"-24X1 3/4" (12.5015)		1					
		5.6420 - COUPLING, RAW WATER PUMP DRIVE							
8A,B	5143616	# COUPLING (EXTERNAL GEAR, 21 TEETH) (1.7635)	1	1	1	1	1		1
		# EFFECTIVE WITH 2D-16011, 3D-13732, 4D-17089, 6D-7120.							
		5.6450 - SPACER, RAW WATER PUMP DRIVE							
	5140814	SPACER (12.5015)	1		1				
		5.6500 - CONNECTION, RAW WATER PUMP INLET AT GEAR BOX							
	5109936	ELBOW, 6V53 (5.5377)				1			
	5128086	ELBOW, 2,4-53 (5.5377)	1						
	5121043	ELBOW, 3,4,6V53 (5.5377)		1	1		1		
	5114776	ELBOW, 6,8V53 (5.5377)							1
	8517473	ELECTRODE ASSY., 2,3,4,6V53 (1 1/4" ELECTRODE) (5.5010)	1	1	1		1		
	8515841	ELECTRODE ASSY., 4,6,8V53 (INCLUDES 2 1/8" ELECTRODE) (5.5010)				1			1
	113177	PLUG, 3/4" PIPE (12.9550)							1
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)	2						
	179830	BOLT, 5/16"-18X3" (12.9001)		2	2		2		
	179839	BOLT, 3/8"-16X1" (12.9001)				2			
	179847	BOLT, 3/8"-16X2" (12.9001)							2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2		2		
	103321	LOCKWASHER, 3/8" (12.9200)				2			2
		5.6510 - GASKET, RAW WATER PUMP INLET CONNECTION							
	5115395	GASKET (5.5410)				1			

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5.6000A RAW WATER PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 59	60	61	74	85	86	89
		5.6600 - CONE, RAW WATER PUMP CLUTCH							
	5199401	CONE, 3-53						1	
		5.6610 - SHIELD, RAW WATER PUMP CLUTCH							
	5199402	SHIELD, 3-53						1	
		5.6620 - PIN, RAW WATER PUMP ROLL							
	455972	PIN, 3/16" X 1 3/8" ROLL						1	
	455481	PIN, 3/16" X 1" ROLL						1	
		5.6630 - KNOB, RAW WATER PUMP HANDLE							
	5199404	KNOB, PUMP HANDLE 3-53						1	
		5.6640 - HANDLE, RAW WATER PUMP CLUTCH							
	5199405	HANDLE, 3-53						1	
		5.6650 - PLUG, RAW WATER PUMP TUBE							
	5199407	PLUG						1	
		5.6660 - SPRING, RAW WATER PUMP GUIDE TUBE							
	5199406	SPRING, GUIDE 3-53						1	
		5.6670 - TUBE, RAW WATER PUMP GUIDE							
	5199409	TUBE, GUIDE 3-53						1	
		5.6680 - SPRING, RAW WATER PUMP HANDLE							
	5199410	SPRING						1	

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5.7000A WATER FILTER

REF NO.	PART NUMBER	NAME AND DESCRIPTION	TYPES 12	15	17	18	19	20	21	22	23	25	26	28
		5.7001 - FILTER ASSY., WATER												
		A FILTER ASSY. INCLUDES ITEMS IN 5.7013 THRU 5.7045.												
9A,B	2338846	FILTER ASSY. (PERRY)	1				1	1	1	1	1	1		1
9A,B	5188110	FILTER ASSY.		1	1	1							1	
	186629	BOLT, 5/16"-18X1" (12.9001)		2										
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)	2		2	2	2	2	2	2	2	2	2	
	120393	WASHER, 5/16" (12.9190)	2		2		2	2	2	2				
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	
	114493	NUT, 5/16"-24 (12.9120)	2		2	2	2	2	2	2	2	2	2	
		5.7013 - BODY, WATER FILTER												
9A	5194628	BODY	1				1	1	1	1	1	1		1
9A	9033035	BODY		1	1	1							1	
9A	112578	PLUG, 1/4" PIPE BRASS (12.9550)	1				1	1	1	1	1	1		1
	5145014	PLUG, 3/8" PIPE BRASS (12.9550)		1	1	1							1	
		5.7020 - ELEMENT, WATER FILTER												
		INCLUDES GASKET IN 5.7035.												
9A	5199379	ELEMENT (4" DIA. X 3 3/16" L.)	1				1	1	1	1	1	1		1
9A	5199322	ELEMENT (4 7/8" DIA. X 3 3/16"L.)		1	1	1							1	
		5.7023 - PLATE, WATER FILTER SUMP												
	5194613	PLATE	1				1	1	1	1	1	1		1
	5199601	PLATE		1	1	1							1	
		5.7026 - SPRING, WATER FILTER												
9A	5194625	SPRING		1	1	1						1		
9A	2293485	SPRING	1				1	1	1	1	1	1		1
		5.7034 - COVER, WATER FILTER												
9A	5194615	COVER	1				1	1	1	1	1	1		1
9A	2453224	COVER		1	1	1							1	
	5145014	PLUG, 3/8" SQ. HD. (12.9550)	1	1	1	1	1	1	1	1	1	1	1	1
9A	2293482	BOLT ASSY. (WITH WASHER)	2	2	2	2	2	2	2	2	2	2	2	2
		5.7035 - GASKET, WATER FILTER COVER												
9A	5197437	GASKET	1				1	1	1	1	1	1		1
9A	5197436	GASKET		1	1	1							1	

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5.7000A WATER FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12	15	17	18	19	20	21	22	23	25	26	28
		5.7043 - PLATE, WATER FILTER UPPER												
9A	2293823	PLATE	1				1	1	1	1	1	1		1
9A	2293483	PLATE		1	1	1							1	
		5.7045 - PLATE, WATER FILTER LOWER												
9A	5199600	PLATE (ALUM.)	1				1	1	1	1	1	1		1
9A	5199601	PLATE (ALUM.)		1	1	1							1	
		5.7080 - BRACKET, WATER FILTER MOUNTING												
9B	5126886	BRACKET	1		1									
9B	5109181	BRACKET				2					2		2	
9B	5128526	BRACKET (REAR)					1	1						
9B	5128527	BRACKET (FRONT)					1	1						
9B	5128831	* BRACKET							1					
9B	5108465	@ BRACKET							1					
9B	5128832	+ BRACKET								1				
9B	5108466	+ BRACKET								1				
9B	5109181	BRACKET										1		
	5175705	SPACER (8.3826)	2		2									
	5113488	SPACER (2.9410)							2	2				
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)				4					4	2	4	
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)										2		
	446597	BOLT, 5/16"-18X6 1/2" (12.9001)										2		
	179847	BOLT, 3/8"-16X2" (12.9001)	2		2									
	186283	BOLT, 5/8"-16X3 1/2" (12.9001)					2	2						
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR									
		* THRU 4D-4841 NOT SERVICED; USE ITEMS MARKED @.												
		@ EFFECTIVE WITH 4D-4842.												
		+ OBSOLETE.												
		5.7090 - HOSE, WATER FILTER INLET												
9B	5135293	* HOSE, 12 1/2" L. X 5/8" I.D. (2.5060)	1		1		1	1						
9B	5135293	* HOSE, 30 1/2" L. X 5/8" I.D. (2.5060)		1										
9B	5135293	* HOSE, 22" L. X 5/8" I.D. (2.5060)				1					1			
9B	5135293	* HOSE, 11 1/2" L. X 5/8" I.D. (2.5060)							1	1				
9B	5135293	* HOSE, 15" L. X 5/8" I.D. (2.5060)							1	1		1	1	
9B	5189496	HOSE (#10X36"L)										1	1	
9B	3116561	VALVE, SHUTOFF (5.7100)	1	1	1	1	1	1	1	1	1	1	1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)				1					1			1
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)												1
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE, 1/4" P.T. (12.9480)				1					1			

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5.7000A WATER FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12	15	17	18	19	20	21	22	23	25	26	28
		5.7090 - HOSE, WATER FILTER INLET (CONT'D)												
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)				1			1	1	1	1	1	
	144128	ELBOW, 3/8" PIPE 90 DEG. (12.9600)												1
	3133153	CONNECTOR, 3/8" HOSE (12.4085)	1	1	1	1	1	1	1	1	1	1	1	
	9139801	CLAMP, 9/16"-1 1/16" DIA. HOSE (12.9660)	2	2	2	2	2	2	2	2	2	2	2	
	5115097	COVER (AT CYLINDER BLOCK) (1.1060)	1		1	1	1	1			1	1	1	
	5155464	BRACKET, CLIP (7.1582)										1	1	
	5165244	CLIP (4.8040)										1	1	
	103647	DRAINCOCK, 1/4" (12.9510)												1
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)		1										1
	120280	TEE, 3/8" PIPE (12.9616)		1										
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2		2	2	2	2			2	2	2	
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1	1	
	103320	LOCKWASHER, 5/16" (12.9200)	2		2		AR	2				AR	AR	
	114493	NUT, 5/16"-24 (12.9120)										1	1	
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		5.7100 - HOSE, WATER FILTER OUTLET												
9B	5129867	* HOSE, #4 X 10 1/2" L. (7.4075)	1		1		1							
9B	5129867	* HOSE, #4 X 30" L (7.4075)		1					1	1				
9B	5129867	* HOSE, #4 X 16" L (7.4075)				1					1			
9B	5129867	* HOSE, #4 X 8" L (7.4075)						1						
9B	5129867	@ * HOSE, #4 X 26 3/4" L (7.4075)							1	1				
9B	5129867	* HOSE, #4 X 35" L (7.4075)										1	1	
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1					1	1				
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9590)										1	1	
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1	1		1	1	1	1		1	1	
	144045	BUSHING, 1/2"X1/4" PIPE RED. (12.9570)		1										
	5186740	TEE (4.3001)							1	1				
	1595836	VALVE (1/4"P.T. SHUTOFF) (4.7001)	1	1	1	1	1	1	1	1	1	1	1	
	5189292	*FITTING, 1/4"-18 HOSE*	1	1	1		1	1	1	1		1	1	
	5189294	FITTING, 1/2"-20 HOSE	1	1	1	2	1	1	1	1	2	1	1	
	5151108	CLIP (12.4095)							1	1				
	140571	CLIP (12.9630)										1	1	
		@ THRU 4D-4841.												
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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5.7000A WATER FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	32	33	34	40	41
		5.7001 - FILTER ASSY., WATER						
		A FILTER ASSY. INCLUDES ITEMS IN 5.7013 THRU 5.7045.						
9A,B	**2338846**	FILTER ASSY. (PERRY)	1	1			1	1
9A,B	**5188110**	FILTER ASSY.				1		
	100014	BOLT, 5/16"-24X1" (12.9001)	2			2		
	186505	BOLT, 5/16"-24X1 1/4" (12.9001)					2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2			2	2	2
	114493	NUT, 5/16"-24 (12.9120)	2			2	2	2
		5.7013 - BODY, WATER FILTER						
9A	**5194628**	BODY	1	1			1	1
9A	**9033035**	BODY				1		
	118536	DRAINCOCK, 3/8" (12.9510)					1	1
9A	**112578**	PLUG, 1/4" PIPE BRASS (12.9550)		1			1	1
	112304	PLUG, 3/8" PIPE BRASS (12.9550)	1			1		
		5.7020 - ELEMENT, WATER FILTER						
		INCLUDES GASKET IN 5.7035.						
9A	**5199379**	ELEMENT (4" DIA. X 3 3/16" L.)	1	1			1	1
9A	**5199322**	ELEMENT (4 7/8" DIA. X 3 3/16"L.)				1		
		5.7023 - PLATE, WATER FILTER SUMP						
9A	**5194613**	PLATE	1	1			1	1
9A	**5199601**	PLATE				1		
		5.7026 - SPRING, WATER FILTER						
9A	**2293485**	SPRING	1				1	1
		5.7034 - COVER, WATER FILTER						
9A	**5194615**	COVER	1	1			1	1
9A	**2453224**	COVER				1		
9A	**2293482**	BOLT ASSY. (WITH WASHER)	2	2		2	2	2
		5.7035 - GASKET, WATER FILTER COVER						
9A	**5197437**	GASKET	1	1			1	1
9A	**5197436**	GASKET				1		

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5.7000A WATER FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	32	33	34	40	41
		5.7043 - PLATE, WATER FILTER UPPER						
9A	**2293823**	PLATE	1	1			1	1
9A	**2293483**	PLATE				1		
		5.7045 - PLATE, WATER FILTER LOWER						
9A	**5199600**	PLATE (ALUM.)	1	1			1	1
9A	**5199601**	PLATE (ALUM.)				1		
		5.7080 - BRACKET, WATER FILTER MOUNTING						
9B	**5139139**	BRACKET	1			1		
9B	**5139183**	BRACKET			1			
	5147342	BRACKET					1	1
	186629	BOLT, 5/16"-18X1" (12.9001)	3			3		
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			2			
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)					2	2
	103321	LOCKWASHER, 3/8" (12.9200)			3			
	103323	LOCKWASHER, 1/2" (12.9200)					2	2
		5.7081 - GASKET, WATER FILTER MOUNTING BRACKET						
	5125837	GASKET (7.1595)			1			
	5175882	GASKET (4.4115)			1			
		5.7090 - HOSE, WATER FILTER INLET						
9B	**5189496**	HOSE, #10X36" L.	1	1		1		
9B	**5123318**	HOSE, 47" L.X13/32" I.D. (4.4330)		1				
	5147568	HOSE, #6X10" L.					1	1
	5147569	HOSE, #6X11 1/2" L. (4.4329)					1	
9B	**3116561**	VALVE, SHUTOFF (5.7100)	1			1		
	5169649	VALVE, SHUTOFF (2.5006)					1	
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)					1	1
	111316	ELBOW, 3/8"-90 DEG. STREET (12.9590)	1	1		1		
	144128	ELBOW, 3/8" PIPE 90 DEG. (12.9600)					1	
	8924217	ELBOW, 3/8" TUBE 90 DEG. (12.9480)					1	1
	3133153	CONNECTOR, 3/8" HOSE (12.4085)	1	1		1		
	9139801	CLAMP, 9/16"-1 1/16" DIA. HOSE (12.9660)	2	2		2		
	5115097	COVER (AT CYLINDER BLOCK) (1.1060)	1	1		1		
	5155464	BRACKET, CLIP (7.1582)	1			1		
	5165244	CLIP (4.8040)	1			1		

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5.7000A WATER FILTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 30	32	33	34	40	41
		5.7090 - HOSE, WATER FILTER INLET (CONT'D)						
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)					1	
	8924177	TEE, 3/8"-18 (12.9616)					1	
	179816	BOLT, 5/16"-18X3/4" (12.9001)	2	2		2		
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1			1		
	103320	LOCKWASHER, 5/16" (12.9200)	AR			AR		
	120376	NUT, 5/16"-18 (12.9120)	1			1		
		5.7100 - HOSE, WATER FILTER OUTLET						
9B	5129867	* HOSE, #4X35" L. (7.4075)	1			1		
	5129867	* HOSE, #4X45 1/4" L. (7.4075)		1				
	5147572	HOSE, #6X7 1/2" L. (2.5149)					1	1
	5122663	ELBOW (5.3430)						1
	8924175	ELBOW, 3/8"-90 DEG. STREET (12.9590)	1			1		
	8924217	ELBOW, 3/8" TUBE 90 DEG. (12.9480)					1	1
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1	1		1	1	1
	5186740	TEE (4.3001)		1				
	1595836	VALVE (1/4"P.T. SHUTOFF) (4.7001)	1	1		1		
	5169649	VALVE, SHUTOFF (2.5006)					1	1
	5189292	FITTING, 1/4"-18 HOSE	1	1		1		
	5189294	FITTING, 1/2"-20 HOSE	1	1		1		
	140571	CLIP, 1/2" TUBE 5/16" BOLT HOLE (12.9630)	1			1		

* STD. LENGTH HOSE. CUT TO LENGTH SHOWN.

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A *Flywheel Housing*
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- *3.3000A Air Inlet Housing*
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- *4.1000B Oil Distribution System*
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- *7.6000A Control Cabinet*
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- *11.1000A Engine Mounting and Base*
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

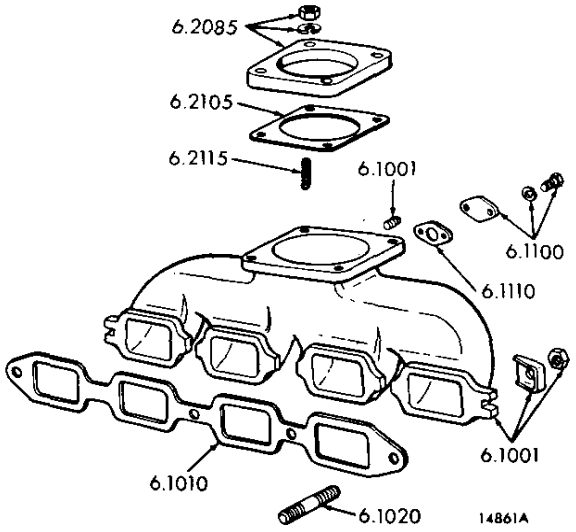


FIG. 1A EXHAUST MANIFOLD (Center Outlet)

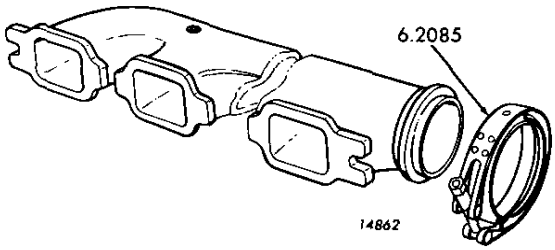


FIG. 1B EXHAUST MANIFOLD (End Outlet)

Figs. 1A & 1B of 6.0000

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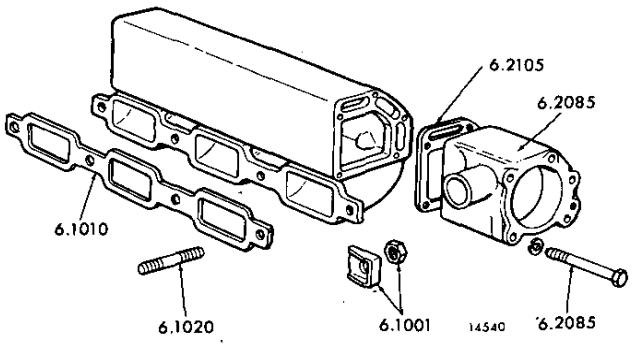


FIG. 1C EXHAUST MANIFOLD (Water Cooled)

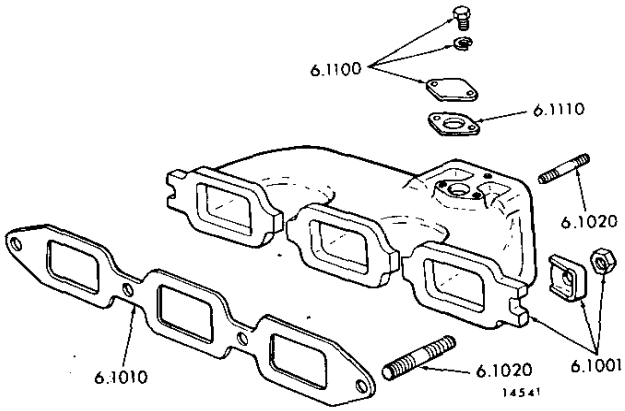


FIG. 1D EXHAUST MANIFOLD (Side Outlet)

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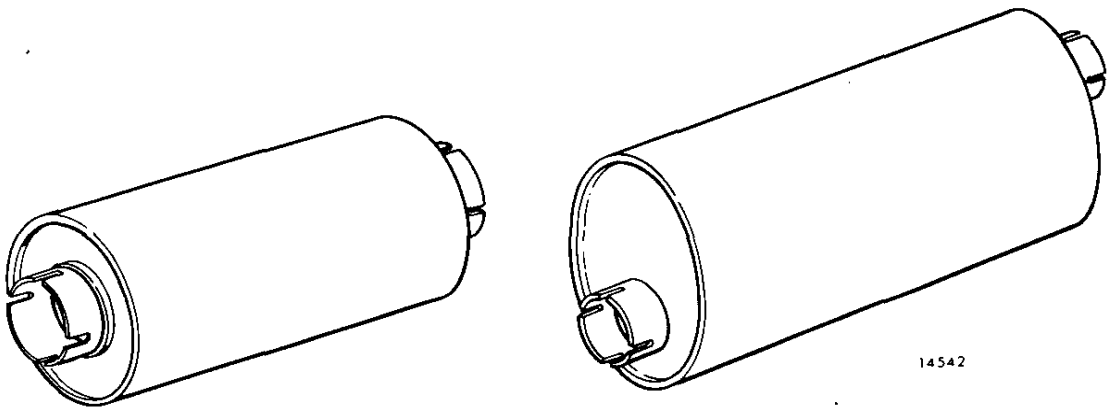


FIG. 2A EXHAUST MUFFLER (6.2001)

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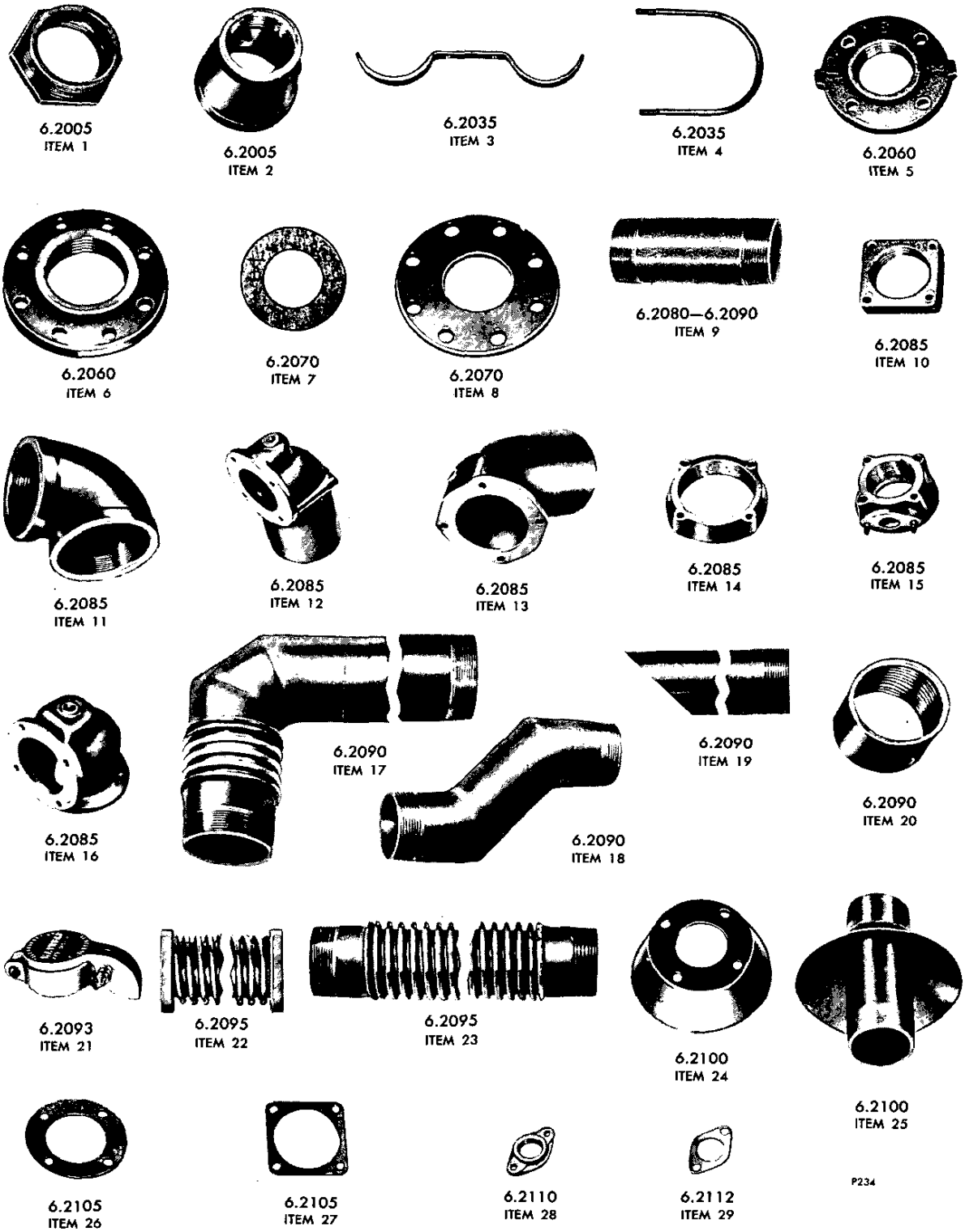


FIG. 3A EXHAUST CONNECTIONS

Fig. 3A of 6.0000

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 110	119	120	121	125	126	131	132	133	134	136	137
		6.1001 - MANIFOLD, EXHAUST												
1A	5116303	# MANIFOLD, 2-53	1											
1A	5121174	MANIFOLD, 2-53				1								
1A	5123734	# MANIFOLD, 2-53							1					
1D	5145048	MANIFOLD, 2-53 (WATER COOLED)											1	
1A	5123733	MANIFOLD, 2-53												1
1A	5121096	@ MANIFOLD, 2-53			1									
1D	5145201	MANIFOLD, 3,6V53 (WATER COOLED)					2							
1A	5123710	* MANIFOLD, 3,6V53 (5130330)								2				
1A	5123709	* MANIFOLD, 3-53 (5130329)									1			
1B	5121097	= MANIFOLD, 4-53 (5130240)		1										
1D	5145049	MANIFOLD, 4,8V53 (WATER COOLED)						1						
1B	5124377	? MANIFOLD, 4-53 (5179382)										1		
1B	113175	PLUG, 1/8" PIPE SQ. HD. BR. (12.9550)	1	1	1					1	1	1		1
1A	5145009	PLUG, 1/8" PIPE (12.9550)				1								
1A	5121182	PLUG, 1/4" PIPE (2.4015)					4	2					2	
1A	5164360	WASHER, 15/16" O.D.	3			3			3				3	3
1A,C	5104439	WASHER, 7/16" STUD (6.1001)		5	4		8	5		4	4	5		
1A,C	127855	NUT, 7/16"-20 (12.9120)	3	5	4	3	8	5	3	8	4	5	3	3
		# NOT SERVICED, USE 5123733; ON UNITS WITHOUT SHUTDOWNS ALSO INCLUDE (1) 5121098 COVER, (1) 5113412 GASKET, (2) 186618 BOLTS, (2) 103320 LOCKWASHERS, (2) 113175 PLUG.												
		@ NOT SERVICED, USE 5130329 WITH MECHANICAL SHUTDOWN, 5130330 WITHOUT MECHANICAL SHUTDOWN, AND INCLUDE EXHAUST FLANGE TYPE 234.												
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES PLUS EXHAUST FLANGE TYPE 234 IN 6.2000A.												
		= NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES PLUS EXHAUST FLANGE TYPE 243 IN 6.2000A.												
		? NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES PLUS EXHAUST FLANGE TYPE 243 IN 6.2000A.												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A,C	5116306	GASKET, 2-53	1			1			1				1	1
1A,C	5119006	GASKET, 4,8V53		1				1				1		
1A,C	5116205	GASKET, 3,6V53			1		2			2	1			
		6.1020 - STUD, EXHAUST MANIFOLD TO HEAD												
1A,C	5112899	STUD, 3/16" X2 3/32" L	3	5	4	3	8	5	3	8	4	5	3	3

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 110	119	120	121	125	126	131	132	133	134	136	137
		6.1100 - PLATE, EXHAUST MANIFOLD COVER												
1A,B	5121098	PLATE	1	1										
1A,B	186618	BOLT, 5/16"-18X5/8" (12.9001)	12	12										
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE												
1B	5113412	GASKET (7.4510)	1	1										

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	147	162	166	176	179	188	189	190	202
		6.1001 - MANIFOLD, EXHAUST											
	5125411	* MANIFOLD, 3-53 (5198866)		1									
	5129641	* MANIFOLD, 3-53 (5146215)						1					
	5109455	@ MANIFOLD, 3,6V53 (L. BANK) (5198866)									1	1	
1B	5124378	# MANIFOLD, 4-53 (5130240)	1										
	5125431	# MANIFOLD, 4-53 (5100146)			1								
	5126626	# MANIFOLD, 4-53 (5130304)					1						
1B	5100146	MANIFOLD, 4-53							1				
1B	5109094	% MANIFOLD, 4-53 (5100146 AND SD-202 PRINT)								1			
	5125411	@ MANIFOLD, 3,6V53 (R. BANK) (5198866)										1	1
1B	5128014	MANIFOLD, 3,6V53				2							1
1B	113175	PLUG, 1/8" PIPE SQ. HD. BR. (12.9550)	1	1	1		1	1	1	1	1	1	1
	180016	BOLT, 5/16"-18X1/2" (12.9001)						1				1	
1A,C	5104439	WASHER, 7/16"	5	4	5	8	5	4	5	5	4	8	8
1A,C	127855	NUT, 7/16"-20 (12.9120)	5	4	5	8	5	4	5	5	4	8	8
		* NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES PLUS EXHAUST FLANGE TYPE 234.											
		@ NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES AND INCLUDE (1) 5121098 COVER, (1) 5113412 GASKET, (2) 186618 BOLTS, (2) 103320 LOCKWASHERS, (1) 113175 PLUG.											
		# NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES PLUS EXHAUST FLANGE TYPE 243 IN 6.2000A.											
		% NOT SERVICED, USE PART NUMBERS SHOWN IN PARENTHESES).											
		6.1010 - GASKET, EXHAUST MANIFOLD											
1A,C	5119006	GASKET, 4,8V53	1		1		1		1	1			
1A,C	5116205	GASKET, 3,6V53		1		2		1			1	2	2
		6.1020 - STUD, EXHAUST MANIFOLD TO HEAD											
1A,C	5112899	STUD, 3/16"X2 3/32" L.	5	4	5	8	5	4	5	5	4	8	8

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 211	217	218	223	224	226	228	239	242	245	248	254
		6.1001 - MANIFOLD, EXHAUST												
	NPN	MANIFOLD (CUSTOMER FURNISHED)										2		
1A	5130329	MANIFOLD, 3,6V53 (R. BANK)	1											
1A	5130330	* MANIFOLD, 3,6V53		AR										
	5179382	MANIFOLD, 4,8V53			1									
	5130304	MANIFOLD, 4-53				1								
1B	5130240	MANIFOLD, 4,8V53					1							
1E	5146215	* MANIFOLD, 3,6V53 (R. BANK)						AR	1		1			
1B	5132494	MANIFOLD, 6V53 (R. BANK)								1				1
1B	5132495	MANIFOLD, 6V53 (L. BANK)								1				
1B	5128014	MANIFOLD, 6V-53									1			1
1C	5132496	+ MANIFOLD, 8V-53 (R. BANK)											1	
1C	5132497	+ MANIFOLD, 8V-53 (L. BANK)											1	
1A	5133435	CRAB								4			4	6
1C	113175	* PLUG, 1/8" PIPE (12.9550)	2	AR	1	1	1	AR	1					
	180016	BOLT, 5/16"-18X1/2" (12.9001)							1					
1A,C	5104439	WASHER, 7/16"	8	8	5	5	5	4	4	4	8	8	6	6
1A,C	127855	NUT, 7/16"-20 (12.9120)	8	8	5	5	5	4	4	8	8	8	10	8
		* AT 1 FOR A 3 CYL.; 2 FOR A 6 CYL.												
		+ OBSOLETE												
		6.1010 - GASKET, EXHAUST MANIFOLD												
1A,B	5116205	* GASKET, 3,6V53	2	AR				AR	1	2	2	2		2
1A,B	5119006	GASKET, 4,8V53			1	1	1						2	
		* AT 1 FOR A 3 CYL.; 2 FOR A 6 CYL.												
		6.1020 - STUD, EXHAUST MANIFOLD TO HEAD												
1A,B	5112899	STUD, 7/16"X2 3/32" L.	8	AR	5	5	5	AR	4	8	8	8	10	8

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 255	257	258	288	289	293	294	299	300	310	336
		6.1001 - MANIFOLD, EXHAUST											
1A	**5130329**	MANIFOLD, 3,6V53 (R. BANK)											1
1B	**5130240**	MANIFOLD, 4,8V53						2					
1B	**5132495**	MANIFOLD, 3,6V53 (L. BANK)			1								
1B	**5128014**	MANIFOLD, 3,6V53			1								
	5133850	+ MANIFOLD, 3,6V-53 (SIDE OUTLET)	1										
1E	**5137027**	MANIFOLD, 3-53				1							
1C	**5134613**	MANIFOLD, 2-53					1						
1D	**5100146**	MANIFOLD, 8V53							2				
1B	**5132495**	MANIFOLD, 6V53								1			
1E	**5125412**	* MANIFOLD, 6V53 (R. BANK)									1		
1E	**5109455**	* MANIFOLD, 6V53 (L. BANK)									1		
	5139176	MANIFOLD, 6V53 (R. BANK)										1	
	5139177	MANIFOLD, 6V53 (L. BANK)										1	
1A	**5130330**	MANIFOLD, 6V53 (L. BANK)											1
1C	**5135016**	MANIFOLD, 6V53		2									
1A	**5133435**	CRAB			6	2	2			4		4	
1A	**5134520**	CLAMP	2										
	137281	GASKET	2										
1C	**113175**	PLUG, 1/8" PIPE (12.9550)					1	2	2		2		2
	180016	BOLT, 5/16"-18X1/2" (12.9001)									1		
1A,B	**5104439**	WASHER, 7/16"		8	6	2	1	10	10	8	8	4	8
1A,B	**127855**	NUT, 7/16" (12.9120)	4		8	4	3	10	10	8	8	8	8
1A,B	**9174746**	NUT, 7/16"-20 (CONE) (12.9120)		8									
		* NOT SERVICED, USE 5198866, AND INCLUDE (1) 5121098 COVER, (1) 5113412 GASKET, (2) 185618 BOLTS, (2) 103320 LOCKWASHERS AND (1) 113175 PLUG.											
		+ OBSOLETE.											
		6.1010 - GASKET, EXHAUST MANIFOLD											
1A,B	**5116205**	GASKET, 3,6V53	1	2	2	1				2	2	2	2
1A,B	**5119006**	GASKET, 4,8V53						2	2				
1C	**5116306**	GASKET, 2-53					1						
		6.1020 - STUD, EXHAUST MANIFOLD TO HEAD											
1A,B	**5112899**	STUD, 7/16"X2 3/32" L.		8	8	4	3	10	10	8	8	8	8
1A,B	**5134365**	STUD, 7/16"X3 3/4" L.	4										
		6.1100 - PLATE, EXHAUST MANIFOLD COVER											
1A	**5121098**	PLATE									1		
1A	**186618**	BOLT, 5/16"-18X5/8" (12.9001)									2		
1A	**103320**	LOCKWASHER, 5/16" (12.9200)									2		

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 255	257	258	288	289	293	294	299	300	310	336
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE											
1A	5113412	GASKET (7.4510)									1		

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	370	397	401	404	410	411	413	416	439	465
		6.1001 - MANIFOLD, EXHAUST													
1E	5130400	# MANIFOLD (5146215) 3-53	1												
1C	5128014	MANIFOLD, 6V53		2		1						1		1	
1C	5141639	MANIFOLD, 8V53			2										
	5128745	MANIFOLD, 6V53 (L. BANK) (SD-203)				1									
1D	5145049	MANIFOLD, 4-53					1								
1D	5145048	MANIFOLD, 2-53						1							
1D	5145201	MANIFOLD, 6V53							2						
	5130330	MANIFOLD, 6V53												1	
1A	5198866	MANIFOLD, 6V53								2					
1E	5146215	MANIFOLD 6V53 (R. BANK)									1	1			
	5123733	MANIFOLD, 2-53											1		
	5133850	+ MANIFOLD, 6V53 (SIDE OUTLET MARMAN)													2
	5101142	@ MANIFOLD, 6V53 (L.B. 40 DEG. SIDE MARMAN)													1
	5101731	@ MANIFOLD, 6V53 (R.B. 40 DEG. SIDE MARMAN)													1
	5134520	CLAMP, U													4
	644132	@ CLAMP ASSY., (3.34" DIA. MARMAN) (6.2085)													2
	137281	GASKET, 7/16" COPPER (12.9360)													4
1A	5133435	CRAB			4										
	113175	PLUG, 1/8" PIPE (12.9550)	1							4	2	2	1	1	
	5145009	PLUG, 1/8" PIPE (12.9550)					2		2						
	5121182	PLUG, 1/4" PIPE (2.4015)					2	2	2						
	5101466	BOLT, 7/16"-14X1 1/2" (SPEC. COATED)													4
	5101383	BOLT, 7/16"-14X3" (SPEC. COATED)													4
1C	5104439	WASHER, 7/16"	4	8	8	8	5	3	4	8	4	8		8	
A	5164360	WASHER, 15/16" O.D.											3		
	9174746	NUT, 7/16"-20 (CONE) (12.9120)			10									8	
1C	127855	NUT, 7/16"-20 (12.9120)	4	8		8	5	3	4	8	4	8	3		
		+ OBSOLETE.													
		@ EFFECTIVE WITH 6D-121935													
		# NOT SERVICED, USE PART NUMBER IN PARENTHESES.													
		6.1010 - GASKET, EXHAUST MANIFOLD													
1A,B	5116205	GASKET, 3.6V53	1	2		2			1	2	1	2		2	2
1A,B,D	5119006	GASKET, 4.8V53			2		1								
	5116306	GASKET, 2-53						1					1		
		6.1020 - STUD, EXHAUST MANIFOLD TO HEAD													
1C	5112899	STUD, 7/16"X2 3/32"L	4		10	8	AR	3	8	8	4	8	3		
1A,B	5175281	STUD, 7/16"X2.80"L		4											

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6.1000A EXHAUST MANIFOLD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 350	353	356	370	397	401	404	410	411	413	416	439	465
		6.1100 - PLATE, EXHAUST MANIFOLD COVER													
1A	5121098	PLATE				1				4	2	2	1		
1A	186618	BOLT, 5/16"-18X5/8" (12.9001)				2				8	4	4	2		
1A	103320	LOCKWASHER, 5/16" (12.9200)								8	4	4	2		
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE													
1A	5113412	GASKET (7.4510)				1				4	2	2	1		

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6.1000A EXHAUST MANIFOLD AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 489	504	505	510	512	521	548
		6.1001 - MANIFOLD, EXHAUST							
	5104084	MANIFOLD, 6V53 (L. BANK)	1						
	5104085	MANIFOLD, 6V53 (R. BANK)	1						
	5106640	MANIFOLD, 353T		1					
	8921024	MANIFOLD, 6V53 (L. BANK)					1		
	8921025	MANIFOLD, 6V53 (R. BANK)					1		
1A	5130329	MANIFOLD, 6V53 (R. BANK)						1	
1A	5130330	MANIFOLD, 6V53 (L. BANK)						1	1
1C	5135016	MANIFOLD, 6V53							1
1A	5133435	CRAB		2			4		
	115226	BUSHING, 1" X 3/8" RED. (12.9570)					2		
	5142549	PLUG, 3/4"-14 PIPE (12.9550)					6		
	5111798	PLUG, 1" PIPE (12.9550)					6		
1C	113175	PLUG, 1/8" PIPE (12.9550)						2	
1C	5104439	WASHER, 7/16" STUD	8	3	5	4	4	8	8
1C	127855	NUT, 7/16"-20 (12.9120)	8	4	5	4	8	8	
1A,B	9174746	NUT, 7/16"-20 (CONE) (12.9120)							8
	118536	DRAINCOCK, 3/8" (12.9510)					2		
		6.1010 - GASKET, EXHAUST MANIFOLD							
1A,B	5116205	GASKET, 6V53	2	1		1		2	2
1A,B,D	5119006	GASKET, 4-53			1				
	5107019	GASKET, 6V53					2		
		6.1020 - STUD, EXHAUST MANIFOLD TO HEAD							
1C	5112899	STUD, 7/16"-14 X 2 3/32"		4		4	8		
		6.1100 - PLATE, EXHAUST MANIFOLD COVER							
1A	5121098	PLATE						1	
1A	186618	BOLT, 5/16"-18 X 5/8" (12.9001)						2	
1A	103320	LOCKWASHER, 5/16" (12.9200)						2	
		6.1110 - GASKET, EXHAUST MANIFOLD COVER PLATE							
1A	5113412	GASKET (7.4510)						1	

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17	38	115	126	160	167	173	174	175	176	177	181	185
		6.2001 - MUFFLER ASSY., EXHAUST													
	5111082	* MUFFLER (HEAVY, 3 1/2" WET TYPE)				1									
2A	5119172	MUFFLER								1					
2A	5119173	MUFFLER									1				
2A	5124596	MUFFLER													1
	5198525	# MUFFLER, 10" DIA. X 42" L	AR	AR	AR		AR					AR	AR		
		* OBSOLETE.													
		# HIGH DEGREE SILENCING.													
		6.2005 - BUSHING, MUFFLER PIPE													
3A	5124640	COUPLING (3 1/2"X3" RED.) (ITEM 2)													1
	5182511	% NIPPLE, 3"X4" PIPE (12.9560)													1
		% OBSOLETE.													
		6.2085 - FLANGE, EXHAUST													
	NPN	FLANGE (CUSTOMER FURNISHED)			1										
3A	3222532	+ FLANGE (3") (ITEM 10)	1											2	
3A	3291893	FLANGE (2 1/2") (ITEM 10)							1						
1D	5122517	FLANGE (RIGHT BANK)										1			
1D	5122518	FLANGE (LEFT BANK)											1		
	148344	DRAINCOCK, 5/16" (12.9510)										1	1		
	9418964	BOLT, 3/8"-16X5" (12.9001)										5	5		
	103321	LOCKWASHER, 3/8" (12.9200)										AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)	4		4									8	
	114647	NUT, 3/8"-24 (12.9120)							4						
	127855	NUT, 7/16"-20 (12.9120)	4		4									8	
		+ OBSOLETE													
		6.2095 - CONNECTION, FLEXIBLE EXHAUST													
3A	5168927	CONNECTION, 2 1/2" P.T. X 18" L. (ITEM 23)		1											
		6.2105 - GASKET, EXHAUST OUTLET													
3A	3221863	GASKET (3 1/4" DIA. OPENING) (ITEM 27)	1		1		1							2	
3A	5108377	GASKET (ITEM 27)							1						
1C	5119208	GASKET (6.1150)										1	1		
3A	2258176	GASKET (ITEM 27)						1							
		6.2115 - STUD, EXHAUST OUTLET													
	103198	STUD, 3/8"-16-24X2 1/16" (12.9117)							4						
	5111227	STUD, 7/16"-14-20 X 1 3/4"			4										
	3222533	+ STUD, 7/16"-14-20 X 2 1/2"	4											8	
		+ OBSOLETE.													

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	188	190	194	202	207	213	214	219	221	222	225
		6.2001 - MUFFLER ASSY., EXHAUST												
2A	**5119172**	MUFFLER		1										
	5128448	* MUFFLER AND ASPIRATOR ASSY.						1						
2A	**5129180**	MUFFLER							AR					
2A	**2406178**	MUFFLER								2			1	
	5198525	# MUFFLER (10" DIA. X 42" L.)				AR	AR							AR
		* OBSOLETE.												
		# HIGH DEGREE SILENCING.												
		6.2005 - BUSHING, MUFFLER PIPE												
3A	**218866**	BUSHING, 3"X2" RED. (12.9570) (ITEM 1)		1										
	5182511	% NIPPLE, 3"X4" PIPE (12.9560)												1
		% OBSOLETE.												
		6.2085 - FLANGE, EXHAUST												
3A	**3222532**	+ FLANGE (3") (ITEM 10)				1								
1D	**5122517**	FLANGE (RIGHT BANK)	1											
1D	**5122518**	FLANGE (LEFT BANK)	1											
	5127950	@ FLANGE ASSY.					1							
	191019	ELBOW (3" P.T. X90 DEG.)												1
	5100145	ELBOW											1	
1B	**5146165**	CLAMP ASSY. (MARMAN FLANGE) (3.88" DIA.)			2						2			
1B	**5137619**	CLAMP ASSY. (MARMAN FLANGE) (4.50" DIA.)											1	
	148344	DRAINCOCK, 5/16" (12.9510)	2											
	103172	STUD, 5/16"-18-24 X 1 1/8"					2							
	9418964	BOLT, 3/8"-16X5" (12.9001)	10				5							
	103321	LOCKWASHER, 3/8" (12.9200)	AR				AR						AR	
	114547	NUT, 3/8"-24 (12.9120)											4	
		@ FOR USE WITH MECHANICAL AUTOMATIC SHUTDOWN.												
		+ OBSOLETE												
		6.2090 - PIPE, EXHAUST												
	5108830	* PIPE, 1" L. X 3 1/4" O.D.									2			
	5129914	* PIPE, 6" L. X 3 1/4" O.D.									2			
	5129689	PIPE, 6" L. X 3 3/4" O.D.										2		
	5108831	PIPE, 1 1/2" L. X 4.22" FLANGE DIA.											1	
	5108962	PIPE, 55.28" DEV. L.											1	
	5185039	CLAMP, 2 7/8"											1	
	5108560	CLAMP, 3 5/8"											1	
1B	**5137619**	CLAMP ASSY. (MARMAN FLANGE) (4.22" DIA.)										2		

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 187	188	190	194	202	207	213	214	219	221	222	225
		6.2090 - PIPE, EXHAUST (CONT'D)												
		* LENGTH DETERMINED BY INSTALLATION.												
		6.2091 - SUPPORT, EXHAUST PIPE												
	5108559	SUPPORT (BRACKET)											2	
	5108455	BRACKET (SMALL)											1	
	5108456	BRACKET (LARGE)											1	
	5179976	SPRING (7.1612)											2	
	120393	WASHER, 5/16" (12.9190)											4	
		6.2095 - CONNECTION, FLEXIBLE EXHAUST												
3A	5128451	CONNECTION (MANIFOLD TO MUFFLER) (ITEM 23)						1						
3A	5128452	CONNECTION (ASPIRATOR TO MUFFLER) (ITEM 23)						1						
	5128273	NIPPLE, 2 1/2" DIA. X 7" L.						1						
	5128450	CLAMP (ASPIRATOR HOSE)						2						
	5124113	+ CLAMP, 2 1/4" (3.1003)						2						
		+ OBSOLETE.												
		6.2105 - GASKET, EXHAUST OUTLET												
`A	3221863	GASKET (3 1/4" DIA. OPENING) (ITEM 27)				1								
1D	5119208	GASKET (6.1150)	2				1							
3A	5100147	GASKET											1	
		6.2115 - STUD, EXHAUST OUTLET												
	103197	STUD, 3/8"-16-24X1 13/16" (12.9117)											4	

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 226	227	230	232	234	235	241	243	244	253	254	255
		6.2085 - FLANGE, EXHAUST												
	NPN	FLANGE (CUSTOMER FURNISHED)							1			1		
3A	5108351	FLANGE (3 1/2" P.T.)				1								
3A	5108632	FLANGE (3" P.T.) (ITEM 10)					2							
3A	5109033	FLANGE (3 1/2" PLAIN HOLE)						1						
3A	5108467	FLANGE (3" P.T.)								1				
3A	5100145	ELBOW		1	1									
3A	5125592	ELBOW									1		1	
1B	5137619	CLAMP ASSY. (MARMAN FLANGE, 4.50" DIA.)	2	1	1									
	454933	* BOLT, 7/16"-14X1 1/8" (12.9001)		AR	AR	AR	AR	AR	AR	AR	4		AR	
	103321	LOCKWASHER, 3/8" (12.9200)									AR		AR	
	103322	LOCKWASHER, 7/16" (12.9200)												
	114547	NUT, 3/8"-24 (12.9120)		4	4	8	8	4	4	4				
		* FOR A THREE USE A QUANTITY OF "4" AND A QUANTITY OF "8" FOR A SIX.												
		6.2090 - PIPE, EXHAUST												
	5108831	PIPE, 1 1/2" L. X 4.22" FLANGE DIA.	2											
		6.2105 - GASKET, EXHAUST OUTLET												
3A	5100147	GASKET		1	1									
3A	5145238	GASKET				2		1	1	1				1
3A	5108377	GASKET					2					1		
3A	3221863	* GASKET (ITEM 27)									1		AR	
		* USE A QUANTITY OF "1" FOR A THREE AND "2" FOR A SIX.												
		6.2115 - STUD, EXHAUST OUTLET												
	103197	STUD 3/8"-16-24X1 13/16" (12.9117)		4										
	103196	STUD 3/8"-16-24X1 9/16" (12.9117)			4									
	5109167	STUD 3/8"-16-24X1.76"							4					
	5109158	STUD 3/8"-16-24X1 1/2"				8	8	4		4				

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	275	283	303	304	321	322	329	334	338	339	340
		6.2001 - MUFFLER ASSY., EXHAUST												
		FOR TYPE 346 USE TYPE 338.												
2A	**2406178**	MUFFLER (AUTOMOTIVE)						1						
		6.2005 - BUSHING, MUFFLER PIPE												
3A	**218866**	BUSHING, 3"X2" RED. (12.9570) (ITEM 1)									1			
		6.2085 - FLANGE, EXHAUST												
	NPN	FLANGE (CUSTOMER FURNISHED)	2	1										
3A	**5108467**	FLANGE (3"P.T.)								1				
1D	**5138588**	FLANGE											1	
1D	**5138764**	+ FLANGE												1
3A	**5100145**	ELBOW						1						
3A	**5130703**	ELBOW			2		1							
	5138859	ELBOW									1			
	5138751	ELBOW										1		
	5137619	CLAMP ASSY. (MARMAN FLANGE, 4.50" DIA.)						1						
	5139024	CLAMP ASSY. (MARMAN FLANGE, 4.50" DIA.)									1	1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			8		4							
	9418964	BOLT, 3/8"-16X5" (12.9001)											5	5
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR	AR	AR				AR	AR
	114547	NUT, 3/8"-24 (12.9120)	8	4				4	4					
		+ OBSOLETE.												
		6.2090 - PIPE, EXHAUST												
	5108831	PIPE, 1 1/2" L. X 4.22" FLANGE DIA.						1						
	5108962	PIPE, 55.28" DEV. L.						1						
		6.2093 - CAP, EXHAUST PIPE												
3A	**5185786**	CAP, RAIN 3 1/2" PIPE (ITEM 21)				1					1			
		6.2105 - GASKET, EXHAUST OUTLET												
3A	**5100147**	GASKET						1						
3A	**5145238**	GASKET								1				
3A	**5108377**	GASKET (ITEM 27)	2		2		1		1					
3A	**3291894**	GASKET		1										
1D	**5119208**	GASKET (6.1150)											1	1

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 258	275	283	303	304	321	322	329	334	338	339	340
		6.2115 - STUD, EXHAUST OUTLET												
	5120494	STUD, 3/8"-16-24 X 1 5/16" (5.2020)							4					
	103196	STUD, 3/8"-16-24 X 1 9/16" (12.9117)						4						
	5109167	STUD, 3/8"-16-24 X 1.76"	4											
	103198	STUD, 3/8"-16-24 X 2 1/16" (12.9117)		4										

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6.2000A EXHAUST MUFFLER AND/OR CONNECTIONS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 343	350	359	361	396	404	405	409	411	412	414	417
		6.2001 - MUFFLER ASSY., EXHAUST												
2A	**5119173**	MUFFLER				2								
		6.2085 - FLANGE, EXHAUST												
	NPN	FLANGE (CUSTOMER FURNISHED)		1										
3A	**5108632**	FLANGE (3"P.T.) (ITEM 10)				2								
	5103444	ADAPTOR (6.2120)						1				2		
	5107177	ADAPTOR (6.2120)								1				
3A	**5130703**	ELBOW					2							
	5103551	ELBOW									1			
	5146165	CLAMP ASSY. (MARMAN FLANGE) (3.88" DIA.)							4					
	5137620	CLAMP ASSY. (MARMAN FLANGE) (3.82" DIA.)			2									
	5103434	CLAMP (V BAND)						1			1	2	2	
	5107180	CLAMP (V BAND)								1				
	5140216	ELBOW				2								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					8							
	106288	BOLT, 3/8"-24X2 1/4" (12.9001)				8								
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR	AR							4
	114547	NUT, 3/8"-24 (12.9120)				AR								4
		6.2090 - PIPE, EXHAUST												
	5129914	PIPE, 6" L. X 3 1/4" O.D.			2									
		6.2091 - SUPPORT, EXHAUST PIPE												
	5143184	BRACKET, MUFFLER SUPPORT				1								
	5143185	BRACE, MUFFLER SUPPORT				1								
	5108560	CLAMP ASSY.				2								
	122408	BOLT, 1/2"-13X1" (12.9001)				2								
	103341	WASHER, 3/8" (12.9190)				4								
	103343	WASHER, 1/2" (12.9190)				2								
	103323	LOCKWASHER, 1/2" (12.9200)				2								
	123263	NUT, 1/2"-13 (12.9120)				2								
		6.2093 - CAP, EXHAUST PIPE												
3A	**5140349**	CAP, RAIN (2 1/2" PIPE) (ITEM 21)	1											
3A	**5185786**	CAP, RAIN (3 1/2" PIPE) (ITEM 21)				2								
		6.2105 - GASKET, EXHAUST OUTLET												
3A	**5108377**	GASKET (ITEM 27)		1		4	2							1
		6.2115 - STUD, EXHAUST OUTLET												
	5109158	STUD, 3/8"-16-24 X 2 1/2"		4										4
	5123667	STUD, 3/8"-16 X 1 7/8"				8								

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GROUP NOMENCLATURE

1.0000	ENGINE (less major assemblies)
1.1000	Cylinder Block
1.1000A	Air Box Drains
1.2000	Cylinder Head
1.2000A	Engine Lifter Bracket
1.3000	Crankshaft, Oil Seals and Stabilizers
1.3000A	Crankshaft Front Cover
1.3000B	Vibration Damper
1.3000C	Crankshaft Pulley
1.3000D	Crankshaft Pulley Belt
1.4000A	Flywheel
1.5000A	Flywheel Housing
1.5000B	Flywheel Housing Adaptor
1.6000	Connecting Rod and Piston
1.7000	Camshaft and Gear Train
1.7000A	Balance Weight Cover
1.7000B	Accessory Drive
1.8000	Valve Injector Operating Mechanism
1.8000A	Rocker Cover
2.0000	FUEL SYSTEM
2.1000A	Fuel Injector
2.1000B	Electronic Injector Controls
2.2000	Fuel Pump
2.2000A	Fuel Pump Drain
2.3000A	Fuel Filter and Strainer
2.3000A	Fuel Filter and Strainer (Twin and Quad)
2.4000	Fuel Manifold and/or Connections
2.4000A	Dual Fuel System
2.5000A	Fuel Lines and Fuel Cooler
2.5000A	Fuel Lines and Fuel Cooler (Twin and Quad)
2.6000A	Fuel Tank
2.6000B	Electric Governor
2.7000A	Mechanical Governor
2.8000A	Hydraulic Governor
2.9000	Injector Controls
2.9000	Injector Controls (Twin and Quad)
2.9000A	Throttle Controls
2.9000A	Throttle Controls (Twin and Quad)
3.0000	AIR SYSTEM
3.1000A	Air Cleaner and/or Adaptor
3.2000A	Air Silencer
3.3000A	Air Inlet Housing
3.3000C	Air Intake Manifold
3.4000	Blower and Drive
3.4000A	Blower Drive Shaft
3.4000B	Bloer End Plate Cover
3.5000A	Turbocharger, Intercooler, and Aftercooler
4.0000	LUBRICATING SYSTEM
4.1000A	Oil Pump
4.1000B	Oil Distribution System
4.1000C	Oil Pressure Regulator
4.2000A	Oil Filter
4.3000A	Oil Filter Lines
4.4000A	Oil Cooler and Marine Gear Lines
4.5000A	Oil Filler
4.6000A	Dipstick
4.7000A	Oil Pan
4.8000A	Ventilating System
5.0000	COOLING SYSTEM
5.1000	Fresh Water Pump
5.1000A	Fresh Water Pump Cover
5.2000A	Water Outlet Manifold and/or Elbow
5.2000B	Thermostat
5.2000C	Water Bypass Tube
5.3000A	Radiator
5.0000	COOLING SYSTEM (CONT'D)
5.3000B	Water Connections
5.4000A	Fan
5.4000B	Fan Shroud
5.5000A	Heat Exchanger or Keel Cooling
5.6000A	Raw Water Pump
5.7000A	Water Filter
6.0000	EXHAUST SYSTEM
6.1000A	Exhaust Manifold and/or Connections
6.2000A	Exhaust Muffler and/or Connections
7.0000	ELECTRICAL INSTRUMENTS
7.1000A	Battery Charging Generator
7.2000A	Battery Cables
7.2000B	Automatic Starting
7.2000B	Automatic Starting (Twin and Quad)
7.3000A	Starting Motor
7.4000A	Instruments
7.4000A	Instruments (Twin and Quad)
7.4000B	Tachometer Drive
7.4000B	Tachometer Drive (Twin and Quad)
7.4000C	Shutoff, Alarm and O.S. Governor
7.4000C	Shutoff, Alarm and O.S. Governor (Twin and Quad)
7.5000A	Power Generator
7.6000A	Control Cabinet
7.6000A	Control Cabinet (Twin and Quad)
7.7000A	Wiring Harness
7.8000A	Air Heater
7.8000A	Air Heater (Twin and Quad)
7.10000A	Hydraulic Governor Solenoid
8.0000	POWER TAKE-OFF
8.1000A	Power Take-off and/or Clutch
8.1000A	Power Take-off and/or Clutch (Twin and Quad)
8.3000A	Torque Converter
8.3000A	Torque Converter (Twin and Quad)
8.3000B	Transmission Lines
9.0000	TRANSMISSION AND PROPULSION
9.1000A	Hydraulic Marine Gear
9.1000A	Hydraulic Marine Gear (Twin and Quad)
9.2000A	Reverse and Reduction Gear (mechanical)
9.3000A	Power Transfer Gear
9.3000A	Power Transfer Gear (Twin and Quad)
9.4000	Transmission—Highway
9.7000	Transmission—Off-highway
9.9000	Transmission—Rail Car
10.0000	SHEET METAL
10.1000A	Engine Hood
11.0000	ENGINE MOUNTING
11.1000A	Engine Mounting and Base
11.1000A	Engine Mounting and Base (Twin and Quad)
12.0000	MISCELLANEOUS
12.2000A	Bilge Pump
12.3000A	Vacuum Pump
12.4000A	Air Compressor
12.5000A	Hydraulic Pump
12.6000A	Gasoline Starter
12.6000B	Air Starter
12.6000C	Cold Weather Starting Aid
12.6000D	Hydraulic Starter
12.6000E	Hydraulic Starter Accessories
12.8000A	Supplies
12.8000B	Fabrication Material
12.8000C	Miscellaneous Service Kits and Sets
12.8000D	Miscellaneous Service Parts

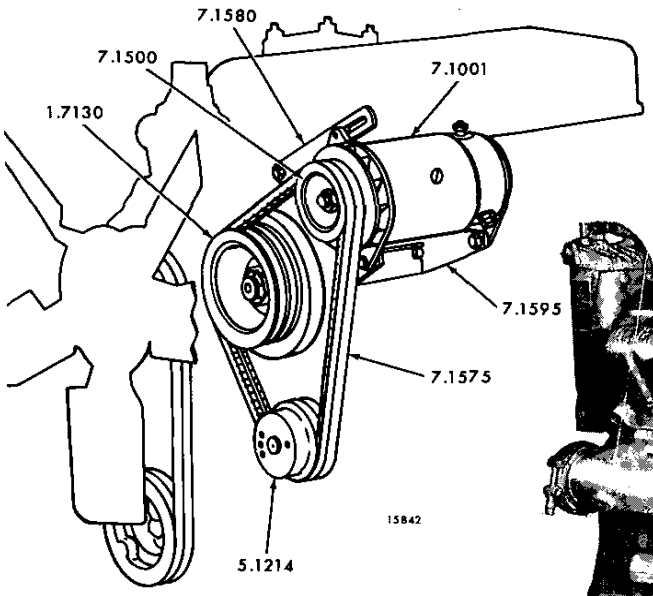


FIG. 1A

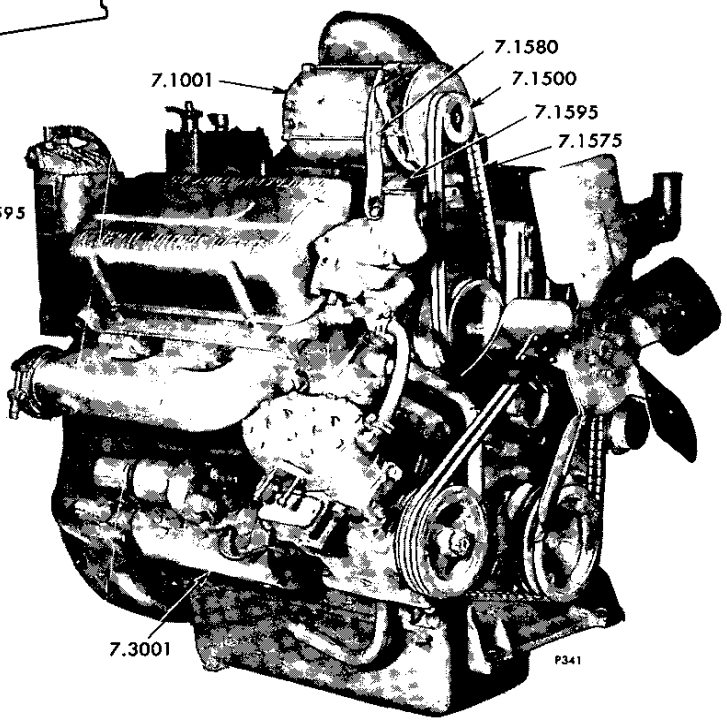


FIG. 1B

BATTERY CHARGING GENERATOR

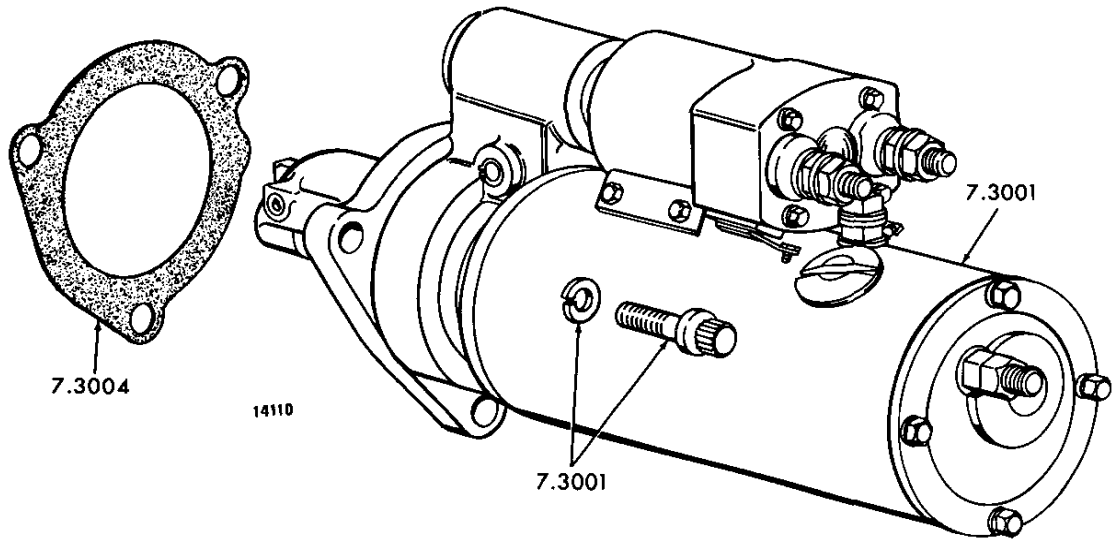


FIG. 3A STARTING MOTOR

Figs. 1A, 1B & 3A of 7.0000

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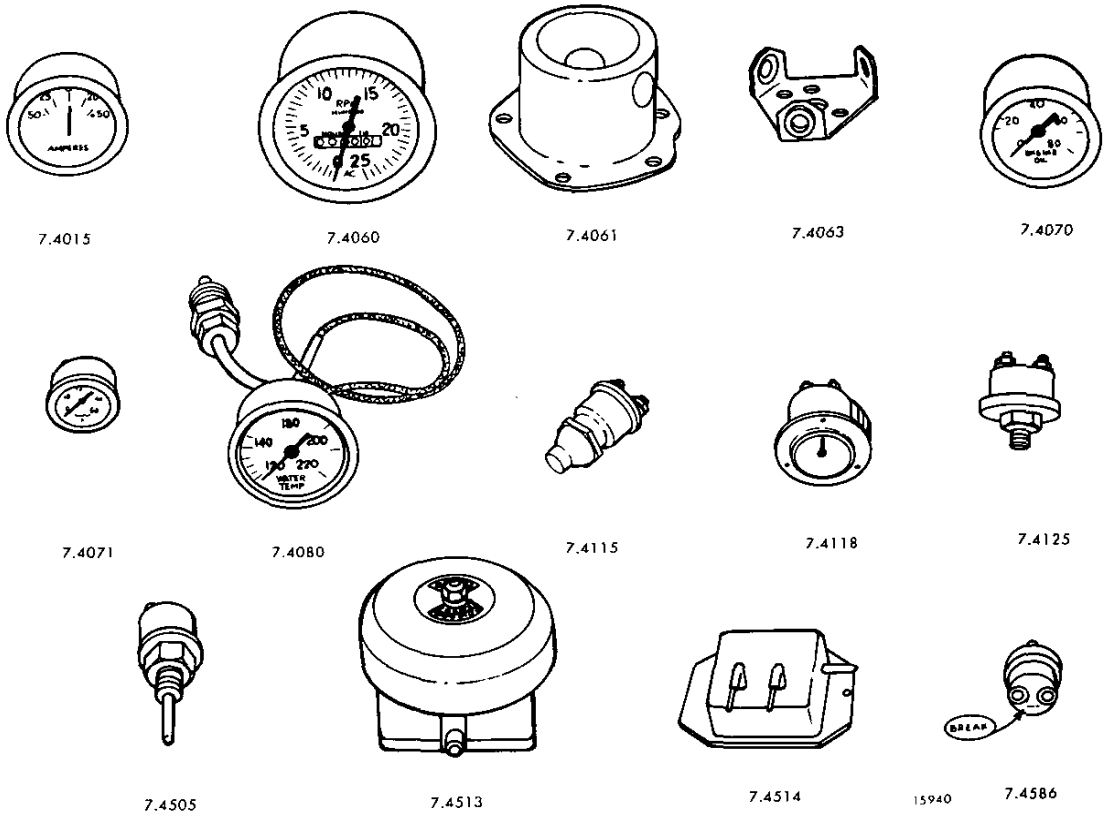


FIG. 4A INSTRUMENTS

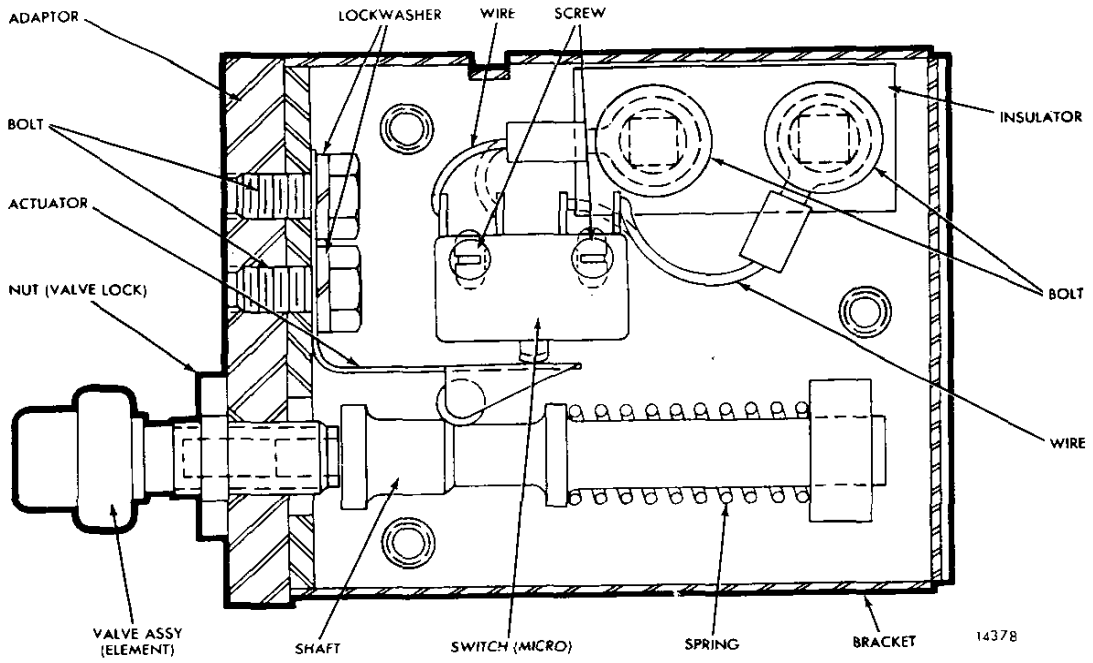


FIG. 4B SWITCH ASSY., WATER TEMPERATURE SHUTDOWN (7.4505)

Figs. 4A & 4B of 7.0000

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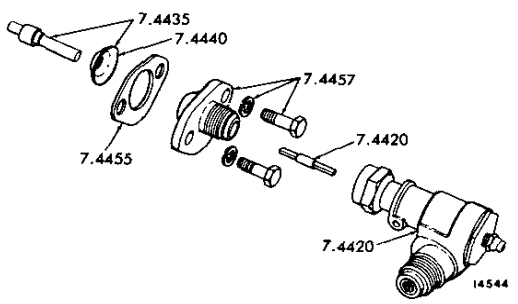


FIG. 5A FRONT MOUNTED CAM DRIVE

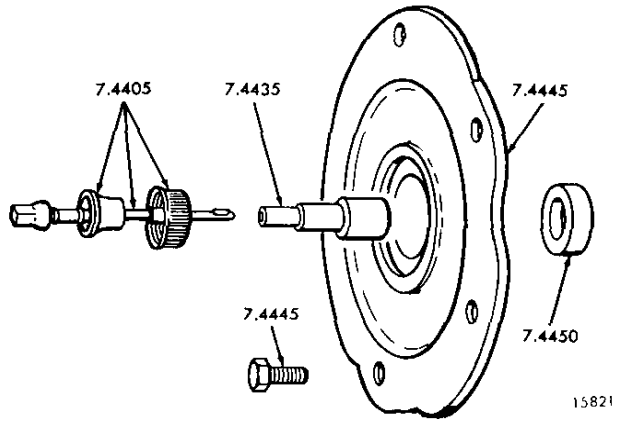


FIG. 5B REAR MOUNTED WITH FLEXIBLE SHAFT

TACHOMETER DRIVE

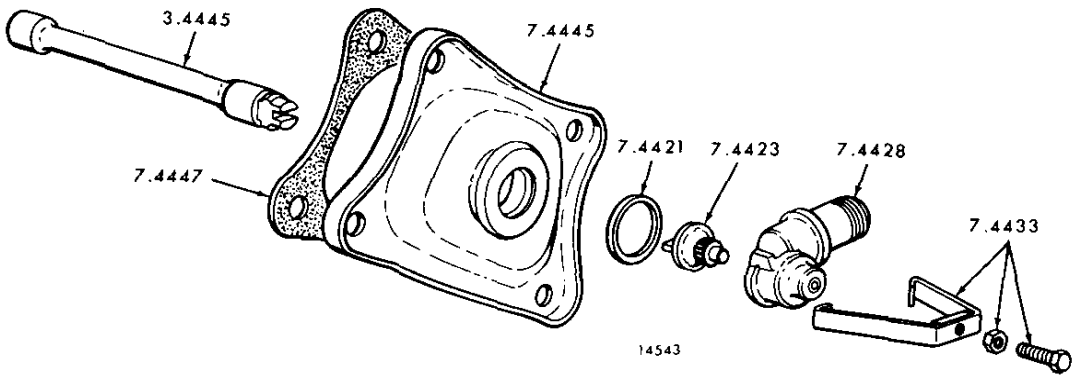


FIG. 5C TACHOMETER DRIVE

Figs. 5A, 5B & 5C of 7.0000

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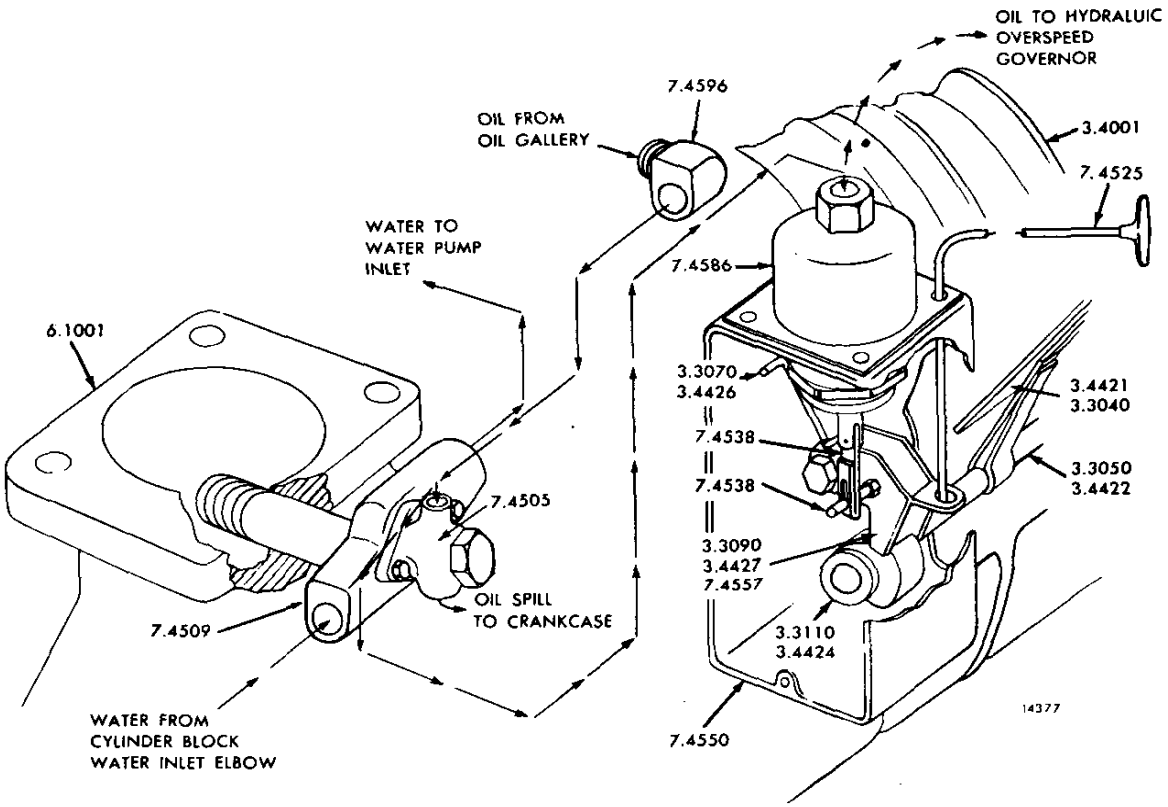


FIG. 6A AUTOMATIC SHUTDOWN

Fig. 6A of 7.0000

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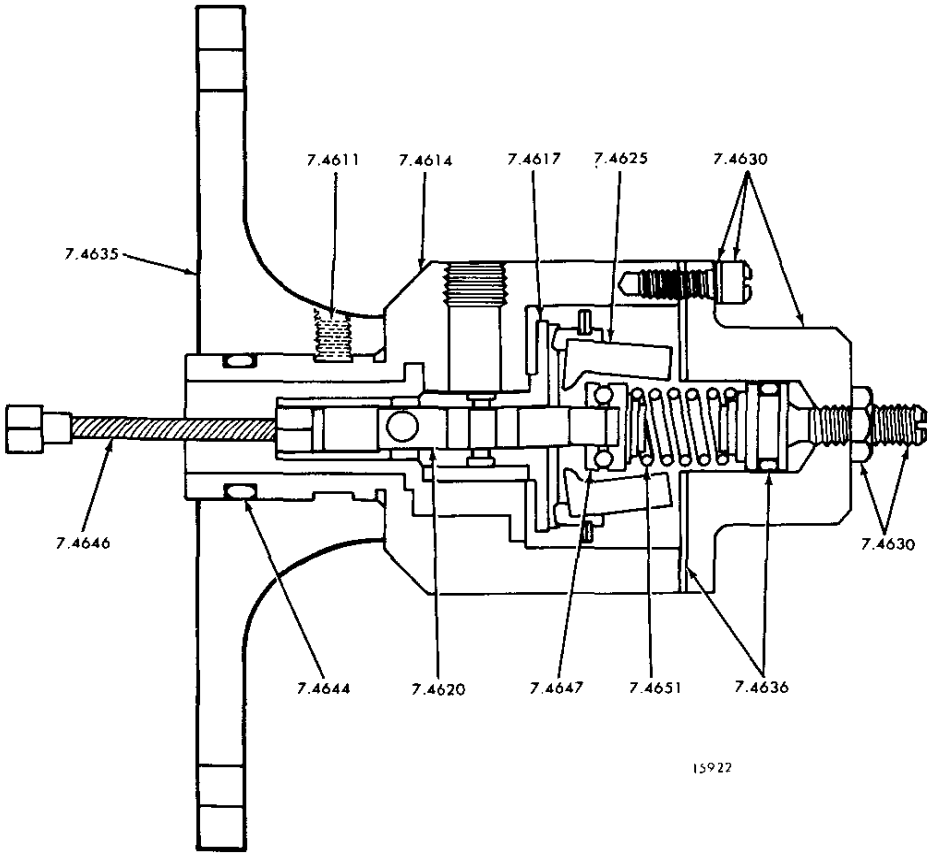


FIG. 6B OVERSPEED GOVERNOR
(Hydraulic Dump Type)

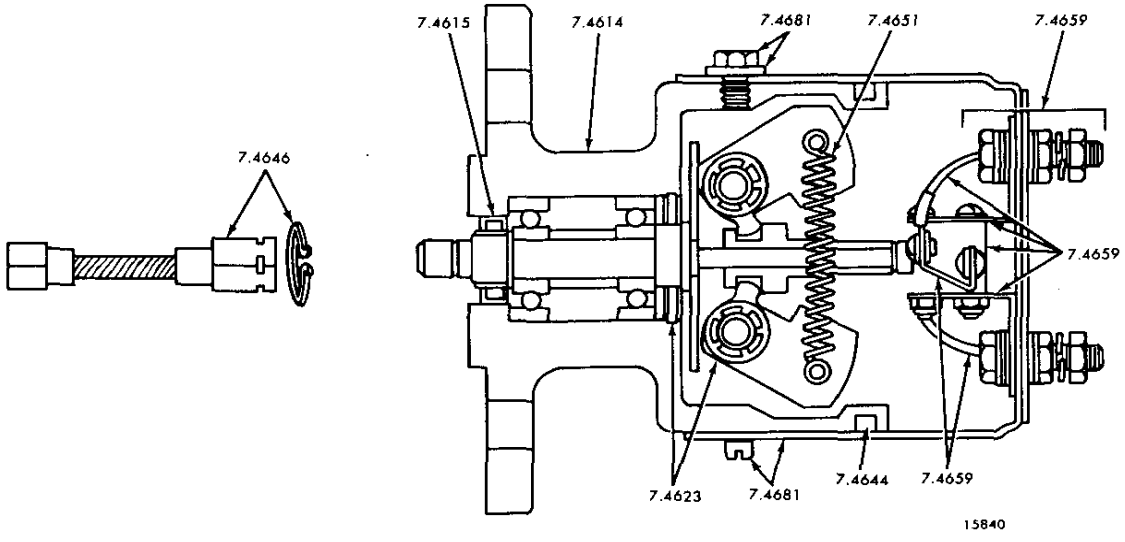


FIG. 6C OVERSPEED GOVERNOR
(Single Switch Electric)

Figs. 6B & 6C of 7.0000

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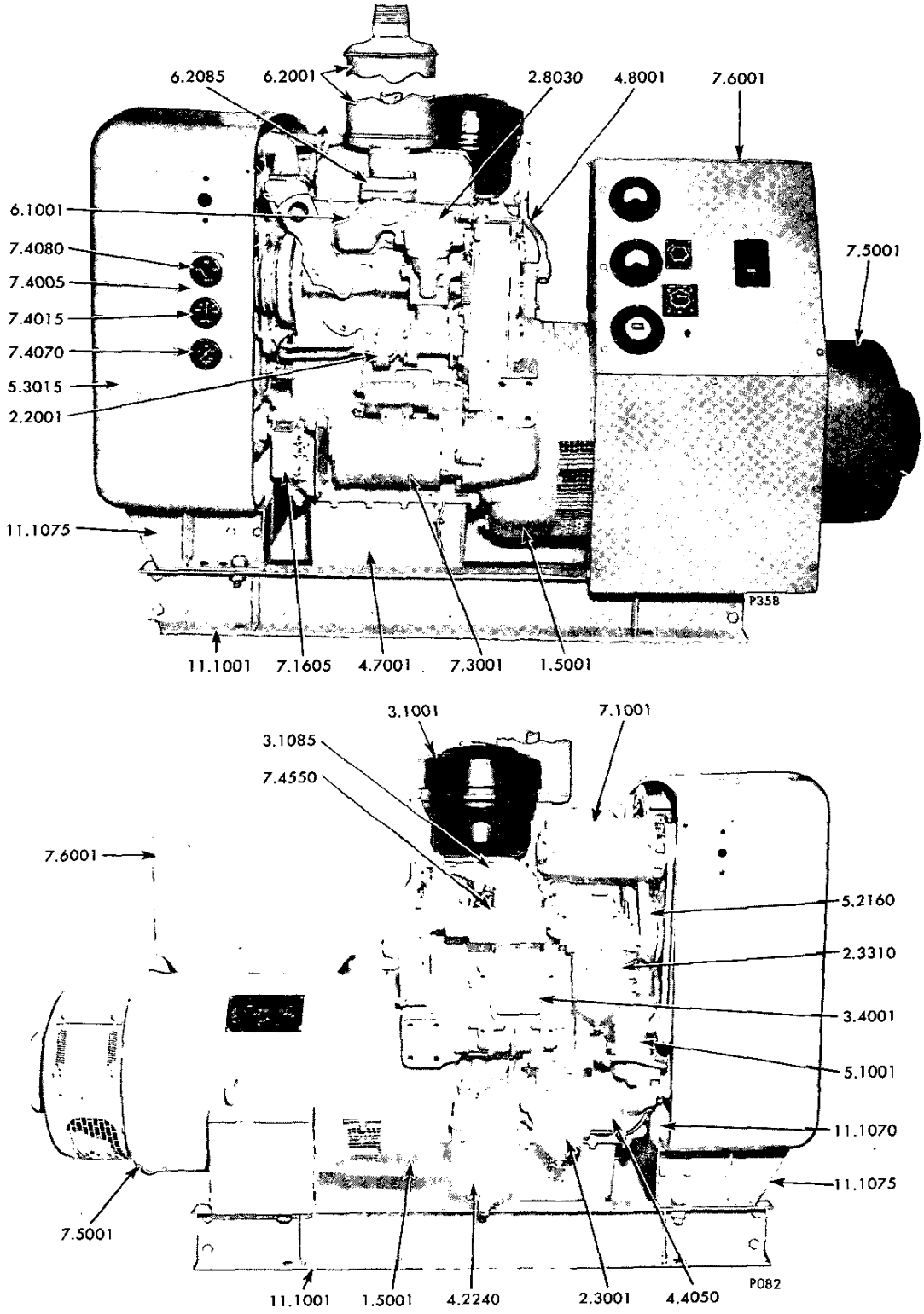


FIG. 10A POWER GENERATOR UNIT

Fig. 10A of 7.0000

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 369	590	595	597	607	608	622	623	624	625	632	650
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)		1	1		1				1	1		
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)				1		1	1	1			1	1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)					2							2
	100014	BOLT, 5/16"-24X1" (12.9001)			2			2	1	1	1	1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2										
	103320	LOCKWASHER, 5/16" (12.9200)			2		2	2	2	2	2	2		2
	103321	LOCKWASHER, 3/8" (12.9200)		2										
	114493	LOCKNUT, 5/16"-24 (2.7170)			2			2						
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN		1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE		1	1	1	1	1	1		1	1	1	1
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES	1											1
1A	5121246	PULLEY, 3.76" DIA., 2 GROOVES		1	1		1	1	1	1	1	1		
1A	5121811	+ PULLEY				1							1	
		+ NOT SERVICED, USE 5132527 PLUS SD-72.												
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	5124432	BELT (31.20"L.X.380"W.)											1	
1A	9433618	BELT (34"L.X.380"W.) (5.1215)				1								
1A	5133174	BELT SET (2 BELTS, 40"L.X.380"W.)												1
1A	5120937	BELT SET (2 BELTS, 41.62"L.X.380" W.) (5.1215)	1	1	1		1	1	1	1	1	1		
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	5129088	STRAP	1	1										
1A	5173255	STRAP												1
1A	5121069	STRAP (8.30"L.)			1		1	1	1	1	1	1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3691	5900	5955	5957	6007	6088	6222	6223	6224	6225	6322	6500
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	186625	BOLT, 5/16"-18X7/8" (12.9001)		1	1		1	1	1	1	1	1		1
	179838	BOLT, 5/16"-16X7/8" (12.9001)		1	1			1	1	1	1	1		1
	186627	BOLT, 3/8"-24X1" (12.9001)					1							
	5150230	WASHER, 3/8" (3.4120)		1	1	1	1	1	1	1	1	1		1
	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR		AR	AR	AR	AR	AR	AR		AR
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR	AR	AR	AR	AR	AR		AR
	117049	NUT, 3/8"-24 (12.9120)					1							
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5123533	GUARD							1					
	5123527	GUARD								1				
	5123534	GUARD									1			
	5123528	GUARD										1		
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)							1	1	1	1		
	120393	LOCKWASHER, 5/16" (12.9200)							1	1	1	1		
	103320	LOCKWASHER, 5/16" (12.9200)							AR	AR	AR	AR		
	120376	NUT, 5/16"-18 (12.9120)							1	1	1	1		
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5123529	BRACKET								2		2		
	454745	SCREW, 1/4"-28X1/2" (12.9025)								2		2		
	5101265	RETAINER (1/4"-28 SCREW)								2		2		
	179847	BOLT, 3/8"-16X2" (12.9001)								1		1		
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5129841	@ SPACER (2 1/2"L.)							1	1	1	1		
	5175304	SPACER (13/32"I.D.X1 1/16"L.) (11.1160)								1		1		
	5164292	WASHER (5/32" X 7/16" X 1 1/2") (1.7605)							1		1			
		@ OBSOLETE.												
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5126936	BRACKET	1	1										
1A	5125837	BRACKET			1		1	1	1	1	1	1		1
	5175705	SPACER (13/32"I.D.X1"L.) (8.3826)		3										3

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3669	5900	5955	5977	6007	6088	6222	6223	6224	6225	6332	6500
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	100014	BOLT, 5/16"-24X1" (12.9001)							1	1	1	1		
	179839	BOLT, 3/8"-16X1" (12.9001)			3			3	3	3	3	3		
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					3							
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		3										3
	103320	LOCKWASHER, 5/16" (12.9200)							2	2	2			
	103321	LOCKWASHER, 3/8" (12.9200)		3	3		3	3	3	3	3	3		3
		7.1605 - REGULATOR, VOLTAGE												
	1118955	* REGULATOR (POSITIVE RETURN)		1	1	1	1	1	1	1	1	1	1	1
	106276	SCREW, 1/4"-28X1 1/8" (12.9001)					4							4
	120380	LOCKWASHER, 1/4" (12.9200)					4							4
	121902	NUT, 1/4"-28 (12.9120)					4							4
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MTG.												
	5185708	PLATE					1							
	5139507	PLATE												1
	179835	BOLT, 3/8"-16X5/8" (12.9001)					2							2
	103321	LOCKWASHER, 3/8" (12.9200)					2							2

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 653	657	658	659	660	661	662	663	666	667	668	669
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)					1	1		1				
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)			1	1			1		1		1	1
1A	1100367	* @ GENERATOR (12V., 25 AMP., C.W.)	1	1								1		
1A	1106985	* GENERATOR (12V., 50 AMP., C.W.)							2					
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									2			
	100014	BOLT, 5/16"-24X1" (12.9001)								2				2
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)											2	
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)										2		
	181668	BOLT, 7/16"-20X1 1/4" (12.9001)							2	2	2		2	2
	103320	LOCKWASHER, 5/16" (12.9200)										2		
	120383	LOCKWASHER, 7/16" (12.9200)								2	2		2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)										2		
	456939	NUT, 7/16"-20 (12.9120)												
		@ INCLUDES FAN, BAFFLE AND PULLEY.												
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN			1	1	1	1	1	1	1		1	1
	1944437	* FAN	1	1								1		
	1935356	* FAN (INCLUDES PULLEY)												
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1	1		1	1	1	1	1	1		1	1
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5121246	PULLEY, 3.76" DIA., 2 GROOVES			1	1	1	1	1	1	1			1
1A	5121811	+ PULLEY, 2.76" DIA., 1 GROOVE	1	1									1	
		+ NOT SERVICED, USE 5132527 PLUS SD-72.												
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	5124432	BELT (31.20"L.X.380"W.)		1									1	
1A	9433628	BELT (39"L.X.380"W.) (5.6425)	1											
1A	9433637	BELT (43.50"L.X.380"W.)			1	1	1	1			1			
1A	5120937	BELT SET (2 BELTS, 41.62" L.X.380" W.)							1			1		
1A	5126356	BELT SET (2 BELTS, 42.50"L.X.380"W.) (5.1215)								1				1
1A	5125514	BELT SET (2 BELTS, 44.18" L. X .380" W.) (5.1215)												

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 653	657	658	659	660	661	662	663	666	667	668	669
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5121069**	STRAP (8.30"L.)			1	1	1	1			1			
1A	**5109908**	STRAP (9.50"L.)								1			1	1
1A	**5121070**	STRAP (9.92"L.)										1		
1A	**5126856**	STRAP (11.78"L.)							1					
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1	1	1	1	1	1	1			1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											1	
	179838	BOLT, 5/16"-16X7/8" (12.9001)			1	1	1	1	1		1	1		
	186627	BOLT, 3/8"-24X1" (12.9001)								1				1
	181371	BOLT, 3/8"-24X1 1/8" (12.9001)											1	
	5150230	WASHER, 3/8" (3.4120)			1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR	AR	AR	AR	AR	AR		AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)								1			1	1
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5157412	SPACER (7.4013)											2	
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5123533	GUARD				1								
	5123527	GUARD			1									
	5123534	GUARD					1							
	5123528	GUARD						1						
	5125405	GUARD											1	
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)			1	1	1	1						
	181360	BOLT, 3/8"-24X3/4" (12.9001)											1	
	120393	LOCKWASHER, 5/16" (12.9200)			1	1	1	1						
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR	AR	AR						
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	120376	NUT, 5/16"-18 (12.9120)			1	1	1	1						
	117049	NUT, 3/8"-24 (12.9120)											1	
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5123529	BRACKET			2			2						
	454745	SCREW, 1/4"-28X1/2" (12.9025)			2			2						
	5101265	RETAINER (1/4"-28 SCREW)			2			2						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 653	657	658	659	660	661	662	663	666	667	668	669
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
	179847	BOLT, 3/8"-16X2" (12.9001)			1			1						
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5129841	@ SPACER, 2 1/2" L.			1	1	1	1						
	5175304	SPACER, 13/32" I.D. X 1 1/16" L. (11.1160)			1			1						
	5164292	WASHER, 5/32" X 7/16" X 1 1/2" (1.7605)				1	1							
		@ OBSOLETE.												
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5125837	BRACKET			1	1	1	1	1		1			1
1A	5135125	BRACKET								1		1		
1A	5124348	BRACKET											1	
1A	5125258	BRACKET								1				1
	5135164	SPACER (7.1598)								1				1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)			1	1	1	1		1				1
	100014	BOLT, 5/16"-24X1" (12.9001)								2			2	2
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)			3	3	3	3	3	2	3	3		2
	179839	BOLT, 3/8"-16X1" (12.9001)								1				1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								1				1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							3				2	2
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)								2				2
	106261	WASHER, 5/16" (12.9190)								1				1
	103321	LOCKWASHER, 3/8" (12.9200)			3	3	3	3	3	4	3	3	2	4
	114493	LOCKNUT, 5/16"-24 (2.7170)								1				1
		7.1605 - REGULATOR, VOLTAGE												
	1118955	* REGULATOR (POSITIVE RETURN)							1	1	1			1
	1118779	* REGULATOR (POSITIVE RETURN)	1	1										
	1119292	* REGULATOR (NEGATIVE RETURN)			1			1						
	1118932	* REGULATOR (NEGATIVE RETURN)				1	1							
	1119619	* REGULATOR (NEGATIVE RETURN)										1		
	1118788	* REGULATOR (POSITIVE RETURN)											1	
	123435	BOLT, 1/4"-28X5/8" (12.9001)											2	
	120380	LOCKWASHER, 1/4" (12.9200)											2	
	121902	NUT, 1/4"-28 (12.9120)											4	
		* NOT SERVICED BY DDA.												
		7.1606 - BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING												
	5124904	BRACKET											1	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)											2	
	103320	LOCKWASHER, 5/16" (12.9200)											2	

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7.1000A BATTERY CHARGING GENERATOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 653	657	658	659	660	661	662	663	666	667	668	669
		7.1606 - BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING (CONT'D)												
	120376	NUT, 5/16"-18 (12.9120)											2	
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)			1	1	1							
		* NOT SERVICED BY DDA.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	681	682	687	695	696	697	698	699	700	706	707
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)	1								1	1		
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)		1	1		1	1	1	1				
1A	1106985	* GENERATOR (12V., 50 AMP., C.W.)				1							1	1
1A	1102117	* GENERATOR (12V., 14 AMP., C.C.W.)						2					2	
	100014	BOLT, 5/16"-24X1" (12.9001)	2	2	2		2		2	2	2	2		2
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2			2					
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)												
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2		2	2		2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)						2						
	120383	LOCKWASHER, 7/16" (12.9200)				2								
	114493	LOCKNUT, 5/16"-24 (2.7170)	2	2	2		2	2		2	2	2	2	2
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1	1	1		1	1	1	1	1	1		
	1935356	* FAN (INCLUDES PULLEY)				1								
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1	1			1	1			1	1		
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5121246	PULLEY, 3.76" DIA., 2 GROOVES	1	1			1	1			1	1	1	1
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES			1				1	1				
		7.1575 - BELT, GENERATOR DRIVE												
		SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	5124432	BELT (31.20" L. X .380" W.)						1						
1A	5133175	BELT SET (2 BELTS, 39" L. X .380" W.)							1			1		
1A	5133174	BELT SET (2 BELTS, 40" L. X .380" W.)												
1A	5120937	BELT SET (2 BELTS, 41.62" L. X .380" W.)											1	
1A	5126356	BELT SET (2 BELTS, 42.50" L. X .380" W.)								1				
1A	5133172	BELT SET (2 BELTS, 43" L. X .380" W.)			1									
1A	5125514	BELT SET (2 BELTS, 44.18" L. X .380" W.)	1	1		1	1				1			1
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	5129088	STRAP							1				1	
1A	5119337	# STRAP (8"L.)										1		
1A	5121069	STRAP (8.70"L.)						1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	681	682	687	695	696	697	698	699	700	706	707
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
1A	**5109908**	STRAP (9.50"L.)	1	1	1		1			1	1			1
1A	**5126856**	STRAP (11.78"L.)				1								
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1	1	1		1	1	1	1	1	1	1	1
	179838	BOLT, 3/8"-16X3/8" (12.9001)				2							1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)										1		
	186627	BOLT, 3/8"-24X1" (12.9001)	1	1	1		1	1	1	1	1			1
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1		1	1	1	1	1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
	117049	NUT, 3/8"-24 (12.9120)	1	1	1		1	1	1	1	1			1
		# OBSOLETE												
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5126153	GUARD		1	1									
	5150744	STUD, 5/16"-18-24 X 1 1/4" (5.1020)		2	2									
	186625	BOLT, 5/16"-18X7/8" (12.9001)		2	2									
	103320	LOCKWASHER, 5/16" (12.9200)		4	4									
	114493	LOCKNUT, 5/16"-24 (2.7170)		2	2									
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	**5135125**	BRACKET	1	1	1		1			1	1			1
1A	**5126080**	BRACKET				1								
1A	**5125837**	BRACKET						1					1	
1A	**5126936**	BRACKET							1					
	5119338	@ BRACKET										1		
	5135164	SPACER (7.1598)	1	1	1		1			1	1			1
	186625	BOLT, 5/16"-18X7/8" (12.9001)										3		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1	1	1		1			1	1			1
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)	1	1	1		1			1	1			1
	179839	BOLT, 3/8"-16X1" (12.9001)						3					3	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2	2	2	3	2			2	2			2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							3					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2	2	2		2			2	2			2
	106261	WASHER, 1/4" (12.9190)	1	1	1		1			1	1			1
	103320	LOCKWASHER, 5/16" (12.9200)										3		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR	AR
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1		1			1	1			1
		@ OBSOLETE												
		7.1605 - REGULATOR, VOLTAGE												
	1118955	* REGULATOR (POSITIVE RETURN)	1	1			1	1	1	1	1	1		
	1119292	* REGULATOR (NEGATIVE RETURN)			1									
	1119619	* REGULATOR (NEGATIVE RETURN)				1								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 670	681	682	687	695	696	697	698	699	700	706	707
		7.1605 - REGULATOR, VOLTAGE (CONT'D)												
	1119243	* REGULATOR (POSITIVE RETURN)											1	1
	106276	SCREW, 1/4"-28X1 1/8" FIL. HD. (12.9010)	4	4	4		4		4	4	4			
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4		4		4	4	4			
	121902	NUT, 1/4"-28 (12.9120)	4	4	4		4		4	4	4			
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	PLATE	1	1	1		1		1	1	1			
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2	2	2		2		2	2	2			
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2		2		2	2	2			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 710	711	712	713	714	715	716	717	718	719	720	721
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)	1				1	1			1	1		
1A	**1102287**	* GENERATOR (12V., 25 AMP., C.W.)		1	1	1			1	1				
1A	**1117070**	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)											1	
1A	**1117077**	* ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)												1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			1	1	1	1	1	1	1	1		
	186270	BOLT, 5/16"-18X3 1/2" (12.9001)	1	1										
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)			1	1	1	1	1	1	1	1		
	100014	BOLT, 5/16"-24X1" (12.9001)	1	1										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											1	1
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)											1	1
	120393	WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1		
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2		
	103321	LOCKWASHER, 3/8" (12.9200)											2	2
	120376	NUT, 5/16"-18 (12.9120)	1	1										
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1	1	1	1	1	1	1	1	1	1		
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1	1	1	1	1	1	1	1	1	1		
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	**5121248**	PULLEY, 3.76" DIA., 2 GROOVES	1	1	1	1	1	1	1	1	1	1		
	5132527	PULLEY, 2.76" DIA., 2 GROOVES											1	1
		7.1575 - BELT, GENERATOR DRIVE												
		SIZES GIVEN ARE EFFECTIVE LENGTH AT WIDTH SHOWN. ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	**5120937**	BELT SET (2 BELTS, 41.62" L. X .380" W.)	1	1	1	1	1	1	1	1	1	1		1
1A	**5133172**	BELT SET (2 BELTS, 43" L. X .380" W.) (5.6425)											1	
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5121069**	STRAP (8.70"L.)	1	1										
1A	**5121070**	STRAP (9.92"L.)			1	1	1	1	1	1	1	1		1
1A	**5126856**	STRAP (11.78"L.)											1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 710	711	712	713	714	715	716	717	718	719	720	721
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1	1	1	1	1	1	1	1	1	1		
	179838	BOLT, 3/8"-16X3/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	2	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											1	1
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5123534	GUARD	1											
	5123533	GUARD		1										
	5126115	GUARD			1				1					
	5126111	GUARD				1				1				
	5126114	GUARD					1				1			
	5126110	GUARD						1				1		
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)			1	1	1	1	1	1		1		
	5164292	WASHER, 7/16" (1.7605)				1		1		1		1		
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5126113	BRACKET			2		2		2		2			
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5123530	@ SPACER, 2.30" L.	1	1							1			
	5175304	SPACER, 13/32" I.D. X 1 1/16" L. (11.1160)			1		1		1		1			
	5129841	@ SPACER, 2 1/2" L.			1	1	1	1	1	1		1		
		@ OBSOLETE.												
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5125837	BRACKET	1	1	1	1	1	1	1	1	1	1		
1A	5126936	BRACKET											1	1
	179839	BOLT, 3/8"-16X1" (12.9001)	3	3										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			3	3	3	3	3	3	3	3		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)											3	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

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7.1000A BATTERY CHARGING GENERATOR

SIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 710	711	712	713	714	715	716	717	718	719	720	721
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)											3	
		7.1605 - REGULATOR, VOLTAGE												
	1118955	* REGULATOR (POSITIVE RETURN)			1	1	1	1						
	1118647	* REGULATOR (POSITIVE RETURN)	1	1										
	1118932	* REGULATOR (NEGATIVE RETURN)							1	1	1	1		
	9000590	* REGULATOR (12V.)											1	1
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY ASSY. (12V.)											1	1
		* NOT SERVICED BY DDA.												
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)							1	1	1	1	1	1
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY. (BLACK)											1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 723	729	734	739	740	741	742	743	746	758	759	762
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	**1102287**	* GENERATOR (12V., 25 AMP., C.W.)	1			1		1	1		1			
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)			1		1			1		1		1
1A	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W.)												
1A	**1117070**	* @ ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)		1										
1A	**1117077**	* @ ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)											1	
	5115827	# SPACER, 3/8" I.D. X 1 3/8" L. (2.9360)					1	1	1	1				
	5129605	SPACER, 13/32" I.D. X 11/16" L. (7.1598)												1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)												1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	2		2		1	1	1	1				
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)												1
	179828	BOLT, 5/16"-18X2 1/2" (12.9001)					1	1	1	1				
	100014	BOLT, 5/16"-24X1" (12.9001)									1			
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)				2								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)											1	
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)											1	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)		1										
	100030	BOLT, 3/8"-24X2" (12.9001)		1										
	186645	BOLT, 7/16"-20X1 1/4" (12.9001)										2		
	106263	WASHER, 7/16" (12.9190)										2		
	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR	AR	AR	AR	AR	AR				AR
	103321	LOCKWASHER, 3/8" (12.9200)		AR									AR	
	103322	LOCKWASHER, 7/16" (12.9200)										AR		
	120376	NUT, 5/16"-18 (12.9120)					2	2	2	2				2
	114493	NUT, 5/16"-24 (12.9120)				2								
	117049	NUT, 3/8"-24 (12.9120)		2										
	456939	NUT, 7/16"-20 (12.9120)										2		
		@ INCLUDES FAN AND BAFFLE.												
		# OBSOLETE.												
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR												
	5129609	SHIELD (HEAT) (7.1001)												1
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1		1	1	1	1	1	1	1			1
	1910036	* FAN ASSY. (INCLUDES BAFFLE)										1		
	132971	SCREW, #12-24X3/8" (12.9025)										4		
	106498	LOCKWASHER, #12 (12.9200)										4		
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1		1	1	1	1	1	1	1			1
		* NOT SERVICED BY DDA.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 723	729	734	739	740	741	742	743	746	758	759	762
		7.1500 - PULLEY, GENERATOR												
1A	5121246	PULLEY, 3.76" DIA., 2 GROOVES	1		1	1					1			1
1A	5126857	# PULLEY, 3.20" DIA., 2 GROOVES		1									1	
1A	5133559	PULLEY, 3.24" DIA., 1 GROOVE					1	1	1	1				
1A	5128998	# PULLEY, 4.0" DIA., 2 GROOVES										1		
		# OBSOLETE												
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARDS" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	5133516	BELT (38" L. X .500" W.)					1	1	1	1				
1A	5133172	BELT SET (2 BELTS, 43"L.X.380"W.)	1		1							1		
1A	5133177	BELT SET (2 BELTS, 37"L.X.380"W.)		1		1								
1A	5120937	BELT SET (2 BELTS, 41.62"L.X.380"W.)									1			
1A	5125514	BELT SET (2 BELTS, 44.18"L.X.380"W.) (5.1215)											1	
1A	5133175	BELT SET (2 BELTS, 39"L.X.380"W.)												1
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	5127588	STRAP (6.40"L.)				1								
1A	5127939	STRAP (6.50"L.)					1	1	1	1				
1A	5137977	STRAP (7.76"L.)		1										
1A	5121069	STRAP (8.30"L.)									1			
1A	5128812	STRAP (8.30"L.)												1
1A	5122323	STRAP (9.88"L.)										1		
	5126856	STRAP (11.78"L.)	1		1								1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1		1	1	1	1	1	1	1			1
	186629	BOLT, 5/16"-18X1" (12.9001)												1
	179837	BOLT, 3/8"-16X3/4" (12.9001)											1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1		1	1					1		1	
	179839	BOLT, 3/8"-16X1" (12.9001)		1								1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										1		
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)					1	1	1	1				
	455537	BOLT, 3/8"-16X4" (12.9001)		1										
	5150230	WASHER, 3/8" (3.4120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		AR
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR			AR
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR					AR	AR	AR	
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5127936	GUARD					1	1	1	1				
	5123533	GUARD									1			
	5129611	GUARD												1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 723	729	734	739	740	741	742	743	746	758	759	762
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY (CONT'D)												
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)									1			
	120393	WASHER, 5/16" (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)									1			
	120376	NUT, 5/16"-18 (12.9120)									1			
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5127937	BRACKET					1	1	1	1				
	5127861	BRACKET												1
	5127862	BRACKET												1
	5127863	BRACKET												1
	5101265	RETAINER, 1/4"-28 SCREW												3
	180016	BOLT, 1/4"-20X1/2" (12.9001)					1	1	1	1				
	454745	BOLT, 1/4"-28X1/2" (12.9001)												3
	120392	WASHER, 1/4" (12.9190)					1	1	1	1				
	103319	LOCKWASHER, 1/4" (12.9200)					1	1	1	1				
	120375	NUT, 1/4"-20 (12.9120)					1	1	1	1				
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5127941	@ SPACER, 3/8" I.D. X 3.38" L.					1	1	1	1				
	5129841	@ SPACER, 2 1/2" L.									1			
		@ OBSOLETE.												
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5125837	BRACKET	1		1						1			
1A	5127131	BRACKET		1		1								
1A	5127945	BRACKET (FRONT)					1	1	1	1				
1A	5127946	BRACKET (REAR)					1	1	1	1				
1A	5128999	BRACKET										1		
1A	5126936	BRACKET											1	
1A	5129606	BRACKET												1
	186629	BOLT, 5/16"-18X1" (12.9001)					2	2	2	2				
	179839	BOLT, 3/8"-16X1" (12.9001)		3		3					3	3		3
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	3		3								3	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)												
	179857	BOLT, 7/16"-14X7/8" (12.9001)					1	1	1	1				
	451925	BOLT, 7/16"-14X4 1/2" (12.9001)					1	1	1	1				
	103342	WASHER, 7/16" (12.9190)					1	1	1	1				
	103320	LOCKWASHER, 5/16" (12.9200)					AR	AR	AR	AR				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR					AR	AR	AR	AR

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7.1000A BATTERY CHARGING GENERATOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 723	729	734	739	740	741	742	743	746	758	759	762
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	103322	LOCKWASHER, 7/16" (12.9200)					AR	AR	AR	AR				
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)											3	
		7.1605 - REGULATOR, VOLTAGE												
	1118932	* REGULATOR (NEGATIVE RETURN)	1				1	1						1
	9000590	* REGULATOR (12V.)		1									1	
	1118955	* REGULATOR (POSITIVE RETURN)			1	1			1	1	1			
	1118346	* REGULATOR (NEGATIVE RETURN)										1		
	106276	SCREW, 1/4"-28X1 1/8" (12.9010)									4			
	103319	LOCKWASHER, 1/4" (12.9200)									AR			
	121902	NUT, 1/4"-28 (12.9120)									4			
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY (12V.)		1									1	
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	- PLATE									1			
	179835	BOLT, 3/8"-16X5/8" (12.9001)									2			
	103321	LOCKWASHER, 3/8" (12.9200)									2			
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)	1	1			1	1					1	1
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY. (BLACK)		1									1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 763	765	769	778	789	790	796	797	806	810	811	812
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	**1102287**	* GENERATOR (12V., 25 AMP., C.W.)	1			1	1				1	1		
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)			1			1					1	
1A	**1106868**	* GENERATOR (24V., 20 AMP., C.C.W.)												1
1A	**1117070**	* @ ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)								1				
1A	**1117077**	* @ ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)		1										
1A	**1117079**	* @ ALTERNATOR (32V., 30 AMP., C.C.W., NEGATIVE GROUND)							1					
	3292558	SPACER, 11/32" I.D. X 1/2" L. (5.4600)					1	1						
	5129605	SPACER, 13/32" I.D. X 11/16" L. (7.1598)	1									1	1	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1				1	1				1	1	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			1	2								
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)	1		1		1	1						
	186650	BOLT, 5/16"-18X4 3/4" (12.9001)										1	1	
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)									2			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1					1					
	179847	BOLT, 3/8"-16X2" (12.9001)		1					1					
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)								1				
	100030	BOLT, 3/8"-24X2" (12.9001)								1				
	186645	BOLT, 7/16"-20X1 1/4" (12.9001)												2
	120393	WASHER, 5/16" (12.9190)										1	1	
	103341	WASHER, 3/8" (12.9190)		1					1					2
	106263	WASHER, 7/16" (12.9190)												
	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR		AR	AR			AR	AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)		AR					AR	AR				AR
	103322	LOCKWASHER, 7/16" (12.9200)												
	120376	NUT, 5/16"-18 (12.9120)	2		2		2	2				2	2	
	114493	NUT, 5/16"-24 (12.9120)									2			
	102635	NUT, 3/8"-16 (12.9120)		2					2					
	117049	NUT, 3/8"-24 (12.9120)								2				
	456939	NUT, 7/16"-20 (12.9120)												2
		@ INCLUDES FAN AND BAFFLE.												
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR												
	5129609	SHIELD (HEAT)	1				1	1				1	1	
	5129294	SHIELD (HEAT)		1					1					
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1		1	1	1	1			1	1	1	
	1910036	* FAN ASSY. (INCLUDES BAFFLE)												1
	132971	SCREW, #12-24X3/8" (12.9025)												4

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 763	765	769	778	789	790	796	797	806	810	811	812
		7.1440 - FAN, GENERATOR (CONT'D)												
	106498	LOCKWASHER, #12 (12.9200)												4
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1		1	1	1	1			1		1	
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	**5121246**	PULLEY, 3.76" DIA., 2 GROOVES	1			1	1	1						
1A	**5126857**	# PULLEY, 3.20" DIA., 2 GROOVES								1				
1A	**5128998**	# PULLEY, 4.0" DIA., 2 GROOVES												1
1A	**5132527**	PULLEY, 2.76" DIA., 2 GROOVES		1	1				1		1	1	1	
		# OBSOLETE												
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARDS" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	**9433264**	BELT (37"L.X.380"W.) (1.3320)			1						1			
1A	**5180887**	BELT (39"L.X.380"W.) (5.6425)												1
1A	**5133172**	BELT SET (2 BELTS, 43"L.X.380"W.)								1				
	5133177	BELT SET (2 BELTS, 37"L.X.380"W.)				1								
	5120937	BELT SET (2 BELTS, 41.62"L.X.380"W.)					1	1						
1A	**5133175**	BELT SET (2 BELTS, 39"L.X.380"W.)	1						1					
1A	**5133174**	BELT SET (2 BELTS, 40"L.X.380"W.)		1								1	1	
1A	**5133176**	BELT SET (2 BELTS, 38"L.X.380"W.)												
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5100102**	STRAP (5.78" L.) (7.1585)												1
1A	**5164295**	STRAP (6.50"L.)			1									
1A	**5137977**	STRAP (7.76"L.)								1				
1A	**5128812**	STRAP (8.30"L.)						1						
1A	**5129608**	STRAP (8.66"L.)											1	
1A	**5109908**	STRAP (9.50"L.)									1			
1A	**5128686**	STRAP (9.90"L.)	1				1							
1A	**5129607**	STRAP (10.04"L.)										1		
1A	**5126856**	STRAP (11.78"L.)				1								
1A	**5129112**	STRAP (13.08"L.)		1					1					
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1		1	1	1	1				1	1	
	186629	BOLT, 5/16"-18X1" (12.9001)	1				1	1				1	1	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)									1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 763	765	769	778	789	790	796	797	806	810	811	812
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	179837	BOLT, 3/8"-16X3/4" (12.9001)		1					1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1				1				
	179839	BOLT, 3/8"-16X1" (12.9001)		1	1				1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)								1				1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)									1			
	5150230	WASHER, 3/8" (3.4120)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR	AR	AR	AR		AR	AR	AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR			AR	AR	AR			AR
	102635	NUT, 3/8"-16 (12.9120)								1				
	117049	NUT, 3/8"-24 (12.9120)									1			
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5157412	SPACER, 7/8" I.D. X 1/4" L. (7.4013)									2			
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5129611	GUARD						1						
	5127885	@ GUARD	1				1							
	5135420	@ GUARD		1					1					
	5126111	GUARD				1							1	
	5129610	@ GUARD										1		
	5100101	GUARD												1
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)				1								
	120393	WASHER, 5/16" (12.9190)				1								
	103320	LOCKWASHER, 5/16" (12.9200)				1								
		@ OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5127861	BRACKET	1				1	1						
	5127862	BRACKET	1				1	1						
	5127863	BRACKET						1						
	5127864	BRACKET	1				1							
	5129361	BRACKET		1					1					
	5129362	BRACKET		1					1					
	5126113	BRACKET										1	1	
	5129668	BRACKET										1	1	
	5101265	RETAINER, 1/4"-28 SCREW	3	3			3	3	3			3	3	
	454745	BOLT, 1/4"-28X1/2" (12.9001)	3	3			3	3	3			3	3	
	179847	BOLT, 3/8"-16X2" (12.9001)										1	1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		1					1					
	186627	BOLT, 3/8"-24X1" (12.9001)		2					2					

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 763	765	769	778	789	790	796	797	806	810	811	812
	7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
103341	WASHER, 3/8" (12.9190)		1					1			1	1	
103321	LOCKWASHER, 3/8" (12.9200)		2					2			1	1	
117049	NUT, 3/8"-24 (12.9120)		2					2					
	7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
5129841	@ SPACER, 2 1/2" L.				1						1	1	
5177000	SPACER, 15/32" I.D. X .80" L. (7.1598)		1					1					
5175304	SPACER, 13/32" I.D. X 1 1/16" L. (11.1160)										1	1	
	@ OBSOLETE.												
	7.1595 - BRACKET, GENERATOR MOUNTING												
1A **5125837**	BRACKET				1								
1A **5127131**	BRACKET								1				
1A **5129606**	BRACKET	1				1	1				1	1	
1A **5109097**	# BRACKET		1	1				1					
1A **5125258**	BRACKET									1			
1A **5100060**	+ BRACKET												1
5126323	SHIM, .012" THICK (4.4115)		AR					AR					
106327	BOLT, 5/16"-18X1 3/8" (12.9001)		2	2				2					
179839	BOLT, 3/8"-16X1" (12.9001)	3				3	3				3	3	3
186619	BOLT, 3/8"-16X1 1/8" (12.9001)								3	2			
186622	BOLT, 3/8"-16X1 1/4" (12.9001)				3								
186628	BOLT, 3/8"-16X1 1/2" (12.9001)		1	1				1					
103320	LOCKWASHER, 5/16" (12.9200)		AR	AR				AR					
103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	# NOT SERVICED; USE (1) 5142647 AND (1) 5137450 BRACKETS.												
	+ OBSOLETE.												
	7.1605 - REGULATOR, VOLTAGE												
1118932	* REGULATOR (NEGATIVE RETURN)	1											
9000590	* REGULATOR (12V.)		1						1				
1118955	* REGULATOR (POSITIVE RETURN)			1	1	1	1						
1118346	* REGULATOR (NEGATIVE RETURN)												1
9000593	* REGULATOR (32V.)							1					
1118788	* REGULATOR (POSITIVE RETURN)									1			
1119292	* REGULATOR (NEGATIVE RETURN)										1	1	
123435	SCREW, 1/4"-28X5/8" (12.9010)									2			
106276	SCREW, 1/4"-28X1 1/8" (12.9010)				4								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 763	765	769	778	789	790	796	797	806	810	811	812
		7.1605 - REGULATOR, VOLTAGE (CONT'D)												
	103319	LOCKWASHER, 1/4" (12.9200)				AR					AR			
	121902	NUT, 1/4"-28 (12.9120)				4					2			
		* NOT SERVICED BY DDA.												
		7.1606 - BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING												
	5124904	BRACKET (7.1610)									1			
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									2			
	103320	LOCKWASHER, 5/16" (12.9200)									2			
	120376	NUT, 5/16"-18 (12.9120)									2			
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY (12V.)		1						1				
	1115842	* RELAY (30 - 32V.)							1					
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	PLATE				1								
	179835	BOLT, 3/8"-16X5/8" (12.9001)				2								
	103321	LOCKWASHER, 3/8" (12.9200)				2								
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)	1	1						1				
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY. (BLACK)		1						1				
	2985055	WIRE ASSY. (BROWN)							1					

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 8162	8188	8200	8255	8277	8288	8331	8332	8344	8355	8400	8422
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)		1										
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)	1			1		1	1		1	1	1	1
1A	1102176	* GENERATOR (12V., 35 AMP., C.W.)			1									
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)					1							
1A	1105222	* GENERATOR (24V., 18 AMP., C.W., INSL.)								1				
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									1	1		
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)							1				1	
	186272	BOLT, 5/16"-18X4" (12.9001)							1		1	1	1	
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)					2	2						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2			2								2
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)			2					2				
	120393	WASHER, 5/16" (12.9190)									1	1		
	103320	LOCKWASHER, 5/16" (12.9200)					AR	AR	AR		AR	AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	2				2				2
	120376	NUT, 5/16"-18 (12.9120)							2				2	
	114493	LOCKNUT, 5/16"-24 (2.7170)					2	2						
	117049	NUT, 3/8"-24 (12.9120)			2					2				
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1	1		1	1	1	1		1	1	1	1
	1959703	* FAN (INCLUDES BAFFLE)			1									
	1937276	* FAN (INCLUDES BAFFLE)								1				
	5100149	SPACER, .68" I.D. X .26" L.		1										
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1	1		1		1	1		1	1	1	1
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES	1		1	1	1	1	1	1	1	1	1	1
1A	5100148	PULLEY, 2.76" DIA., 2 GROOVES		1										
		7.1503 - SPACER, GEN. DRIVEN PULLEY												
	5108425	SPACER (UNDER PULLEY NUT) (.67"I.D.X 1 1/8"O.D.X.50"W.)			1									
		7.1575 - BELT, GENERATOR DRIVE												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8160	8180	8200	8225	8227	8228	8331	8332	8334	8335	8340	8342
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	**9433622**	BELT (36" L. X .380" W.) (5.6425)			1					1				
1A	**9433264**	BELT (37" L. X .380" W.) (1.3320)							1				1	
1A	**5133174**	BELT SET (2 BELTS, 40.50" L. X .380" W.)		1		1					1	1		1
1A	**5120937**	BELT SET (2 BELTS, 41.62" L. X.380" W.)	1											
1A	**5126356**	BELT SET (2 BELTS, 42.50" L. X .380" W.) (5.1215)					1	1						
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5121070**	STRAP	1											
1A	**5128225**	STRAP		1										
1A	**5127588**	STRAP			1					1				
1A	**5129088**	STRAP				1					1	1		1
1A	**5109908**	STRAP					1	1						
1A	**5164295**	STRAP							1				1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1		1	1	1	1	1	1	1	1	1	1
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1		1					1	1	1		1
	179839	BOLT, 3/8"-16X1" (12.9001)		1					1				1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1		1								
	186627	BOLT, 3/8"-24X1" (12.9001)					1	1						
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1		1	1	1	1	1	1	1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)					1	1						
		7.1585 - GUARD, GEN. DRIVE BELT AND PULLEY												
	5132556	GUARD							1				1	
	5126110	GUARD									1	1		
	217220	BOLT, 5/16"-24X3 3/4" (12.9001)							1				1	
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)							1				1	
	103320	LOCKWASHER, 5/16" (12.9200)							1				1	
	114493	LOCKNUT, 5/16"-24 (2.7170)							1				1	
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5129361	BRACKET							1				1	
	5101265	RETAINER, 1/4"-20 SCREW (7.1585)							1				1	
	120628	BOLT, 1/4"-20X1/2" (12.9025)							1				1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							1				1	
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5177000	SPACER, 15/32" I.D. X .80" L. (7.1598)							1				1	
	5156405	SPACER, 15/32" I.D. X 2" L. (7.1581)							1				1	
	5129841	* SPACER, 13/32" I.D. X 2 1/2" L.									1	1	1	

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 8162	8188	8200	8255	8277	8288	8311	8332	8334	8355	8400	8422
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
	5126962	SPACER, 3/8" I.D. X 2.76" L. (4.6040) * OBSOLETE.							1					
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	**5126936**	BRACKET	1			1								1
1A	**5100134**	BRACKET		1										
1A	**5127131**	BRACKET			1					1				
1A	**5135125**	BRACKET					1	1						
1A	**5109097**	# BRACKET							1				1	
1A	**5125837**	BRACKET									1	1		
	5135164	SPACER (7.1598)					1	1						
	5126323	SHIM, .012" THICK (4.4115)							AR				AR	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					1	1						
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)							2				2	
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)					1	1						
	179839	BOLT, 3/8"-16X1" (12.9001)			3					3				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					2	2						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		3		3					3	3		3
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					2	2	1				1	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	3											
	106261	WASHER, 5/16" (12.9190)					1	1						
	103320	LOCKWASHER, 5/16" (12.9200)							2				2	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	114493	LOCKNUT, 5/16"-24 (2.7170) # NOT SERVICED; USE 5142647 AND 5137450 BRACKETS.					1	1						
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)	3											
		7.1605 - REGULATOR, VOLTAGE												
	NPN	REGULATOR (CUSTOMER FURNISHED)		1										
	1118955	* REGULATOR (POSITIVE RETURN)	1			1	1	1				1	1	1
	1119168	* REGULATOR (NEGATIVE RETURN)			1									
	1119292	* REGULATOR (NEGATIVE RETURN)							1		1			
	1119285	* REGULATOR (POSITIVE RETURN)								1				
	106276	SCREW, 1/4"-28X1 1/8" (12.9010)				4		4						
	181317	SCREW, 1/4"-28X1 1/4" (12.9010)					4							
	103319	LOCKWASHER, 1/4" (12.9200)				4	4	4						
	121902	NUT, 1/4"-28 (12.9120) * NOT SERVICED BY DDA.				4	4	4						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8161	8181	8200	8205	8277	8288	8311	8322	8344	8355	8400	8422
		7.1610 - PLATE, VOLTAGE REGULATOR MTG.												
	5139507	PLATE				1		1						
	5108318	PLATE					1							
	5159347	SPACER, 13/32" I.D. X 1/2" L. (7.1581)					3							
	179835	BOLT, 3/8"-16X5/8" (12.9001)				2		2						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					3							
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR						
		7.1630 - WIRE ASSY., GEN. TO REGULATOR												
	5126038	WIRE (REGULATOR TO REGULATOR MOUNTING)					1							
	5108617	WIRING HARNESS, VOLTAGE REGULATOR					1							
	3223197	CLIP (7.4580)					1							
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1							
	103341	WASHER, 3/8" (12.9190)					1							
	103321	LOCKWASHER, 3/8" (12.9200)					1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8443	8444	8445	8446	8447	8448	8450	8451	8452	8454	8457	8458
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)	1					1				1		
1A	**1102287**	* GENERATOR (12V., 25 AMP., C.W.)		1	1	1	1		1	1	1		1	1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			1	1				1				
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)	2					2					2	2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2					2		2	2		
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)					2							
	103320	LOCKWASHER, 5/16" (12.9200)	AR					AR					AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)		2			2		2		2	2		
	114493	LOCKNUT, 5/16"-24 (2.7170)	2				2	2					2	2
	117049	NUT, 3/8"-24 (12.9120)					2							
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1		1	1		1		1		1		
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	**5132527**	PULLEY, 2.76" DIA., 2 GROOVES	1	1	1	1	1	1	1	1	1	1	1	1
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	**9433622**	BELT (36" L. X .380" W.) (5.6425)					1							
1A	**5133174**	BELT SET (2 BELTS, 40.50" L. X .380" W.)			1	1				1	1			
1A	**5120937**	BELT SET (2 BELTS, 41.62" L. X .380" W.)		1					1			1		
1A	**5126356**	BELT SET (2 BELTS, 42.50" L. X .380" W.) (5.1215)	1											
1A	**5133172**	BELT SET (2 BELTS, 43" L. X .380" W.)						1					1	1
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5121070**	STRAP									1			
1A	**5127588**	STRAP					1							
1A	**5129088**	STRAP		1	1	1			1	1				
1A	**5109908**	STRAP	1					1					1	1
1A	**5126856**	STRAP										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 843	844	845	846	847	848	850	851	852	854	857	858
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1	1	1	1		1	1	1	1		
	186627	BOLT, 3/8"-24X1" (12.9001)	1					1					1	1
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)	1					1					1	1
		7.1585 - GUARD, GEN. DRIVE BELT AND PULLEY												
	5126111	GUARD			1	1				1				
	5126153	GUARD												1
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)			1	1				1				
	120393	WASHER, 5/16" (12.9190)			1	1				1				
	103320	LOCKWASHER, 5/16" (12.9200)			1	1				1				
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5129841	+ SPACER, 13/32" I.D. X 2 1/2" L.			1	1				1				
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5126936	BRACKET		1					1		1	1		
1A	5127131	BRACKET					1							
1A	5135125	BRACKET	1					1					1	1
1A	5125837	BRACKET			1	1				1				
	5135164	SPACER (7.1598)	1					1					1	1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1					1					1	1
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)	1					1					1	1
	179839	BOLT, 3/8"-16X1" (12.9001)					3							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2					2					2	2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			3	3				3	3	3		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2					2					2	2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		3					3					
	106261	WASHER, 1/4" (12.9190)	1					1					1	1
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	114493	LOCKNUT, 5/16"-24 (2.7170)	1					1					1	1
		+ OBSOLETE.												
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)		3					3					

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 8433	8444	8445	8446	8447	8448	8450	8451	8452	8454	8457	8458
7.1605 - REGULATOR, VOLTAGE													
1118955	REGULATOR (POSITIVE RETURN)	1		1		1	1	1	1	1	1	1	1
1119292	REGULATOR (NEGATIVE RETURN)		1		1								
106276	SCREW, 1/4"-28X1 1/8" (12.9010)						4		4		4		4
103319	LOCKWASHER, 1/4" (12.9200)						4		4		4		4
121902	NUT, 1/4"-28 (12.9120)						4		4		4		4
7.1610 - PLATE, VOLTAGE REGULATOR MTG.													
5139507	PLATE						1		1		1		1
179835	BOLT, 3/8"-16X5/8" (12.9001)						2		2		2		2
103321	LOCKWASHER, 3/8" (12.9200)						AR		AR		AR		AR

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 859	860	861	862	867	871	872	879	880	881	885	886
	7.1001 - GENERATOR ASSY.													
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)		AR				AR					AR	
1A	**1106822**	* GENERATOR (12V., 50 AMP., C.W.)	1								1	1		
1A	**1102287**	* GENERATOR (12V., 25 AMP., C.W.)												1
1A	**1105222**	* GENERATOR (24V., 18 AMP., C.W.)												
1A	**1117077**	* ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)			1				1					
1A	**1117070**	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)				1	1							
1A	**1117075**	* ALTERNATOR (24V., 60 AMP., C.C.W., NEGATIVE GROUND)								1				
	5182680	SPACER (2.50"L.) (7.6007)										1		
	103905	KEY, 1/8"X5/8" WOODRUFF (12.9350)											1	
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)		2										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							1		2	1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)								1				
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)			1	1			1					
	179847	BOLT, 3/8"-16X2" (12.9001)									2			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)										1		
	455537	BOLT, 3/8"-16X4" (12.9001)			1	1								
	215510	BOLT, 3/8"-16X5 3/4" (12.9001)											1	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)					1							2
	100030	BOLT, 3/8"-24X2" (12.9001)					1							
	103341	WASHER, 3/8" (12.9190)								1				
	120394	WASHER, 3/8" (12.9190)										1		
	3754153	@ WASHER, 3/8"											1	
	106263	WASHER, 3/8" (12.9190)			1	1	1		1					
	103320	LOCKWASHER, 5/16" (12.9200)		AR										
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR		AR	AR	AR	AR		2
	114493	LOCKNUT, 5/16"-24 (2.7170)		2									1	
	9411655	@ NUT, 3/8"-16 LOCK								2				
	102635	NUT, 3/8"-16 (12.9120)												2
	117049	NUT, 3/8"-24 (12.9120)					2							
		@ PROCURE FROM GMPD.												
		* NOT SERVICED BY DDA.												
	7.1005 - SHIELD, GENERATOR													
	5129294	SHIELD (HEAT)								1				
	7.1440 - FAN, GENERATOR													
	1866400	* FAN									1	1		
	1937276	* FAN (INCLUDES BAFFLE)												1
		* NOT SERVICED BY DDA.												
	7.1500 - PULLEY, GENERATOR													
1A	**5132527**	PULLEY		1	1	1	1		1	1	1	1		1
	3816753	@ PULLEY						1					1	
		@ PROCURE FROM GMPD.												

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 859	860	861	862	867	871	872	879	880	881	885	886
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	**9433622**	BELT (36" L. X .380" W.) (5.6425)		1										1
1A	**5120937**	BELT SET (2 BELTS) (41.62" L. X .380" W.)			1	1					1			
1A	**5133177**	BELT SET (2 BELTS, 37" L. X .380" W.)					1							
	3816755	@ BELT SET (2 BELTS)						1						
1A	**5133172**	BELT SET (2 BELTS, 43" L. X .380" W.) (5.6425)							1					
1A	**5133174**	BELT SET (2 BELTS, 40" L. X .380" W.)								1		1		
1A	**3816829**	@ BELT SET (2 BELTS)											1	
		@ PROCURE FROM GMPD.												
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5127588**	STRAP		1										1
1A	**5126856**	STRAP			1	1			1					
	3818009	@ STRAP						1						
1A	**5129112**	STRAP								1				
1A	**5129088**	STRAP									1	1		
	3816759	@ STRAP											1	
1A	**5137977**	STRAP					1							
	186625	BOLT, 5/16"-18X7/8" (12.9001)		1							1	1	1	1
	179837	BOLT, 3/8"-16X3/4" (12.9001)								1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1	1	1	1		1		1	1		1
	179839	BOLT, 3/8"-16X1" (12.9001)								1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			1	1	1		1				1	
	5150230	WASHER, 3/8" (3.4120)		1	1	1	1		1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)		1							1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)		1	2	2	2		2	2	1	1	1	1
	102635	NUT, 3/8"-6 (12.9120)					1							
		@ PROCURE FROM GMPD.												
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5108992	GUARD			1									
	5108991	GUARD				1								
	5135420	+ GUARD								1				
	5126115	GUARD										1		
		+ OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5126113	BRACKET			1	1								
	5129361	BRACKET								2				
	5129362	BRACKET								1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 859	860	861	862	867	871	872	879	880	881	885	886
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
	5101265	RETAINER, 1/4"-20 SCREW (7.1585)			1	1				3		2		
	120628	BOLT, 1/4"-20X1/2" (12.9001)			1	1				3		2		
	179847	BOLT, 3/8"-16X2" (12.9001)										1		
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)										1		
	106284	BOLT, 3/8"-24X5/8" (12.9001)			1									
	186627	BOLT, 3/8"-24X1" (12.9001)			1				1					
	120392	WASHER, 1/4" (12.9190)			1	1				3		2		
	103341	WASHER, 3/8" (12.9190)			1	AR				1				
	103321	LOCKWASHER, 3/8" (12.9200)			2	AR				2				
	117049	NUT, 3/8"-24 (12.9120)			1	1				2				
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5126963	SPACER, 2.28" L. (4.6040)			1	1								
	5177000	SPACER, .800" L. (7.1598)								1				
	5177469	SPACER, 13/16" L. (7.1585)										1		
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5127131	BRACKET		1			1							1
1A	5126936	BRACKET			1	1			1		1	1		
1A	5109449	BRACKET						1						
1A	5109097	# BRACKET								1				
	3816740	@ BRACKET											1	
	5166323	SHIM, .012" THICK (4.4115)								AR				
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)								2				
	179839	BOLT, 3/8"-16X1" (12.9001)		3			3	2						3
	5101377	BOLT, 3/8"-16 X 1" (5.2020)						1						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			3	3					3	3	3	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)								1				
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)							3					
	103320	LOCKWASHER, 5/16" (12.9200)								2				
	103321	LOCKWASHER, 3/8" (12.9200)		3	3	3	3	3	3	1	3	3	3	3
		# NOT SERVICED; USE (1) 5142647 AND (1) 5137450 BRACKETS.												
		@ PROCURE FROM GMPD.												
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)							3					
		7.1605 - REGULATOR, VOLTAGE												
	NPN	REGULATOR (CUSTOMER FURNISHED)		1				1					1	1
	1118881	* REGULATOR (NEGATIVE RETURN)	1											
	9000590	* REGULATOR (12V.)			1	1	1		1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 859	860	861	862	867	871	872	879	880	881	885	886
		7.1605 - REGULATOR, VOLTAGE (CONT'D)												
	9000591	* REGULATOR (24V.)								1				
	1119292	* REGULATOR (NEGATIVE RETURN)									1	1		
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY (12V.)			1	1	1		1					
	1115842	* RELAY (24V.)								1				
		* NOT SERVICED BY DDA.												
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)					1		1					
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR REGULATOR												
	2985054	WIRE ASSY. (BLACK)			1	1	1		1					
	2985057	WIRE ASSY. (RED)								1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	893	898	899	907	910	917	922	924	934	935
	7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)									AR		
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)							1	1			
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)		1	1		1						
1A	1117077	* ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)											1
1A	1117070	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)	1									1	
1A	1117060	* = ALTERNATOR (24V., 60 AMP., C.W., NEGATIVE GROUND)				1							
1A	1117076	* ALTERNATOR (AC., 32V., 60 AMP., C.C.W., NEGATIVE GROUND)						1					
	5182680	SPACER, 2.50" L. (7.6007)								1			
	5129605	SPACER, 13/32" I.D. X 11/16" L. (7.1598)										1	1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		2	2		2						
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)							2				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)								1			
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						1					
	179847	BOLT, 3/8"-16X2" (12.9001)						1				2	2
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)								1			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	1			2							
	100030	BOLT, 3/8"-24X2" (12.9001)	1										
	103341	WASHER, 3/8" (12.9190)						1				1	1
	120394	WASHER, 3/8" (12.9190)								1			
	106263	WASHER, 3/8" (12.9190)	1										
	103320	LOCKWASHER, 5/16" (12.9200)		AR	AR	2	AR	AR	AR	AR		AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)	2				2		2				
	114493	LOCKNUT, 5/16"-24 (2.7170)						2				2	2
	102635	NUT, 3/8"-16 (12.9120)											
	117049	NUT, 3/8"-24 (12.9120)	2			2							
		= OBSOLETE.											
		* NOT SERVICED BY DDA.											
	7.1005 - SHIELD, GENERATOR												
	5129294	SHIELD (HEAT)						1					
	5129609	SHIELD (HEAT)										1	1
	7.1440 - FAN, GENERATOR												
	1866400	* FAN		1	1		1		1	1			
	1949548	* FAN ASSY. (INCLUDES BAFFLE)				1							
	132971	SCREW, #12-24X3/8" RD. HD. (12.9025)				4							
	106498	LOCKWASHER, #12 (12.9200)				4							
		* NOT SERVICED BY DDA.											
	7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE		1	1		1						
		* NOT SERVICED BY DDA.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	893	898	899	907	910	917	922	924	934	935
		7.1500 - PULLEY, GENERATOR											
1A	**5132527**	PULLEY, 2.76" DIA., 2 GROOVES	1	1	1		1	1	1	1		1	1
1A	**5133563**	PULLEY, 2.76" DIA., 2 GROOVES				1							
1A	**5121246**	PULLEY, 3.76" DIA., 2 GROOVES									1		
		7.1575 - BELT, GENERATOR DRIVE											
1A	**5126356**	BELT SET (2 BELTS, 42.50" L. X .380" W.) (5.1215)							1				
1A	**5133177**	BELT SET (2 BELTS, 37" L. X .380" W.)	1	1		1							
1A	**5133172**	BELT SET (2 BELTS, 43" L. X .380" W.)					1						
1A	**5133174**	BELT SET (2 BELTS, 40" L. X .380" W.)			1			1		1			
1A	**5133175**	BELT SET (2 BELTS, 39" L. X .380" W.)										1	1
		7.1580 - STRAP, GENERATOR ADJUSTING											
1A	**5126856**	STRAP		1							1		
1A	**5129112**	STRAP						1					
1A	**5129088**	STRAP								1			
1A	**5121070**	STRAP			1								
1A	**5137977**	STRAP	1			1							
1A	**5109908**	STRAP					1		1				
1A	**5109697**	STRAP										1	
1A	**5109698**	STRAP											1
	186625	BOLT, 5/16"-18X7/8" (12.9001)		1	1		1		1	1		1	1
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1	1	1				1			
	179839	BOLT, 3/8"-16X1" (12.9001)	1				1	1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										1	1
	455537	BOLT, 3/8"-16X4" (12.9001)	1			1							
	186627	BOLT, 3/8"-24X1" (12.9001)							1				
	5150230	*WASHER, 3/8" (3.4120)*	1	1	1	1	1	1	1	1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)		1	1	1	1		1	1		1	1
	103321	LOCKWASHER, 3/8" (12.9200)	2	1	1	2	1	2	1	1		1	1
	102635	NUT, 3/8"-16 (12.9120)					1						
	117049	NUT, 3/8"-24 (12.9120)							1				
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5135420	+ GUARD						1					
	5126115	GUARD								1			
	5139382	+ GUARD									1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	893	898	899	907	910	917	922	924	934	935
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY (CONT'D)											
	5109696	+ GUARD											1
		+ OBSOLETE.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5126113	BRACKET								2		1	1
	5129361	BRACKET						2					
	5129362	BRACKET						1				2	2
	5129668	BRACKET						3		2		2	2
	5101265	RETAINER (1/4"-20 SCREW) (7.1585)										1	1
	454894	BOLT, 1/4"-20X3/4" (12.9001)						3		2		2	2
	120628	BOLT, 1/4"-20X1/2" (12.9001)										1	1
	179837	BOLT, 3/8"-16X3/4" (12.9001)								1			1
	179847	BOLT, 3/8"-16X2" (12.9001)						1				1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						3		2		2	2
	179851	BOLT, 3/8"-16X3" (12.9001)						1				AR	AR
	120392	WASHER, 1/4" (12.9190)						2				1	1
	103341	WASHER, 3/8" (12.9190)										2	2
	103319	LOCKWASHER, 1/4" (12.9200)										1	1
	103321	LOCKWASHER, 3/8" (12.9200)						2				1	1
	120375	NUT, 1/4"-20 (12.9120)										1	1
	102635	NUT, 3/8"-16 (12.9120)						2					
	117049	NUT, 3/8"-24 (12.9120)											
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5177000	SPACER (.800"L.) (7.1598)						1					
	5177469	SPACER (13/16"L.) (7.1585)								1		1	1
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	5127131	BRACKET	1										
1A	5126936	BRACKET								1			
1A	5109097	# BRACKET						1					
1A	5125837	BRACKET		1	1						1		
1A	5162895	BRACKET				1							
1A	5135125	BRACKET					1		1				
1A	5129606	BRACKET										1	1
	5135164	SPACER (7.1598)					1		1				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					1		1				
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)						2					
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)					1		1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 892	893	898	899	907	910	917	922	924	934	935
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)											
	179839	BOLT, 3/8"-16X1" (12.9001)	3			3	2		2			2	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		3	3		2	1	2	3			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)					1		1				
	106261	WASHER, 1/4" (12.9190)						2					
	103320	LOCKWASHER, 5/16" (12.9200)											
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3	3	2	1	4	3		2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)					1		1				
		# NOT SERVICED; USE (1) 5142647 AND (1) 5137450 BRACKETS.											
		7.1605 - REGULATOR, VOLTAGE											
	NPN	REGULATOR (CUSTOMER FURNISHED)									1		
	9000590	* REGULATOR (12V.)	1									1	1
	9000591	* REGULATOR (24V.)				1							
	1119292	* REGULATOR (NEGATIVE RETURN)					1		1				
	1118955	* REGULATOR (POSITIVE RETURN)		1	1					1			
	9000593	* REGULATOR (32V.)						1					
	106276	SCREW, 1/4"-28X1 1/8" (12.9010)					4						
	103319	LOCKWASHER, 1/4" (12.9200)					4						
	121902	NUT, 1/4"-28 (12.9120)					4						
		* NOT SERVICED BY DDA.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY (12V.)	1									1	1
	1115842	* RELAY (24V.)				1							
	1115843	* RELAY (30-32V.)						1					
		* NOT SERVICED BY DDA.											
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5139507	PLATE					1						
	179835	BOLT, 3/8"-16X5/8" (12.9001)					2						
	103321	LOCKWASHER, 3/8" (12.9200)					2						
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)	1									1	1
		* NOT SERVICED BY DDA.											
		7.1630 - WIRE ASSY., GENERATOR REGULATOR											
	2985054	WIRE ASSY. (BLACK)	1									1	1
	2985057	WIRE ASSY. (RED)				1							
	2985055	WIRE ASSY. (BROWN)						1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 936	938	939	945	949	955	956	957	958	959	964	970
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)	1											
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)		1				1	1			1	1	1
1A	1106825	* GENERATOR (12V., 50 AMP., C.C.W.)			1									
1A	1106822	* GENERATOR (12V., 50 AMP., C.W.)				1								
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)					1			1	1			
	5177553	SPACER (7.1581)				1								
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)		2			2							2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)						1	1	1	1	1	1	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				1								
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			1									
	427570	BOLT, 7/16"-14X2" (12.9001)				1								
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)			1									
	120394	WASHER, 3/8" (12.9190)							1	1	1	1	1	
	103320	LOCKWASHER, 5/16" (12.9200)		2			2							2
	103321	LOCKWASHER, 3/8" (12.9200)						2	2	2	2	2	2	
	103322	LOCKWASHER, 7/16" (12.9200)			2	2								
	114493	LOCKNUT, 5/16"-24 (2.7170)		2			2							2
	456939	NUT, 7/16"-20 (12.9120)			1									
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1	1			1	1	1	1	1	1	1	1
	1910036	* FAN (INCLUDES BAFFLE)			1	1								
	5100149	SPACER, .68" I.D. X .26" L.	1											
	9421917	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)			4	4								
	106498	LOCKWASHER, #12 (12.9200)			4	4								
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1	1			1			1	1			
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5100148	PULLEY, 2.76" DIA., 2 GROOVES	1											
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES		1			1	1	1	1	1	1	1	1
1A	5130972	PULLEY, 3.32" DIA., 2 GROOVES			1	1								
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	5133177	BELT SET (2 BELTS, 37"L.X.380"W.)	1											
1A	5133601	BELT SET (2 BELTS, 41"L.X.380"W.)						1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9360	9368	9369	9445	9449	9555	9556	9557	9558	9559	9564	9570
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)												
1A	5120937	BELT SET (2 BELTS, 41.62"L.X.380"W.)								1	1	1	1	
1A	5126356	BELT SET (2 BELTS, 42.50"L.X.380" W.) (5.1215)		1	1		1							
1A	5100366	BELT SET (2 BELTS, 43"L.X.380"W) (MS)												1
1A	5125514	BELT SET (2 BELTS, 44.18"L.X.380"W.) (5.1215)				1								
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	5109538	STRAP	1											
1A	5109908	STRAP		1			1							1
1A	5130842	STRAP			1									
1A	5128225	STRAP				1								
1A	5121070	STRAP						1	1			1	1	
1A	5126856	STRAP								1	1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)		1			1	1	1	1	1	1	1	1
	454813	BOLT, 3/8"-16X7/8" (12.9001)			2	2		1	1	1	1	1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)	1											
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1											
	186627	BOLT, 3/8"-24X1" (12.9001)		1			1							1
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)		1			1	1	1	1	1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)		1			1							1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5109700	BRACKET	1											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1											
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5108991	GUARD						1	1			1	1	
	5108992	GUARD								1	1			
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)							1	1	1	1	1	
	455537	BOLT, 3/8"-16X4" (12.9001)						1						
	5139928	WASHER (5.4337)						1						
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5188969	BRACKET (4.1540)						1						
	5147104	BRACKET						1						
	179796	BOLT, 1/4"-20X7/8" (12.9001)						2						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 936	938	939	945	949	955	956	957	958	959	964	970
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1						
	120392	WASHER, 9/32"X5/8" (12.9190)						2						
	103341	WASHER, 3/8" (12.9190)						2						
	103319	LOCKWASHER, 1/4" (12.9200)						2						
	103320	LOCKWASHER, 5/16" (12.9200)						1						
	120375	NUT, 1/4"-20 (12.9120)						2						
	120376	NUT, 5/16"-18 (12.9120)						1						
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5182680	SPACER (2 1/2" L.) (7.6007)						1	1	1	1	1	1	
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5100134	BRACKET	1				1							1
1A	5135125	BRACKET		1	1									
1A	5130841	BRACKET				1		1	1	1	1	1	1	
1A	5126080	BRACKET					1							1
1A	5126936	BRACKET		1			1							1
	5135164	SPACER (7.1598)		1			1							1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		1			1							1
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)		1	3									
	179839	BOLT, 3/8"-16X1" (12.9001)		3		3	3	3	3	3	3	3	3	2
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	3	2			2							2
	454813	BOLT, 3/8"-16X7/8" (12.9001)		1			1							1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)												
	106261	WASHER, 1/4" (12.9190)	3	3	3	3	3	3	3	3	3	3	3	4
	103321	LOCKWASHER, 3/8" (12.9200)		1			1							1
	114493	LOCKNUT, 5/16"-24 (2.7170)												
		7.1605 - REGULATOR, VOLTAGE												
	NPN	REGULATOR (CUSTOMER FURNISHED)	1											
	1119292	* REGULATOR (NEGATIVE RETURN)		1			1		1		1		1	1
	1119200	* REGULATOR (NEGATIVE RETURN)			1	1								
	1118955	* REGULATOR (POSITIVE RETURN)						1		1		1		
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)					4					4	4	
	103319	LOCKWASHER, 1/4" (12.9200)					4					4	4	
	121902	NUT, 1/4"-28 (12.9120)					4					4	4	
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	PLATE					1					1	1	
	179835	BOLT, 3/8"-16X5/8" (12.9001)					2					2	2	
	103321	LOCKWASHER, 3/8" (12.9200)					2					2	2	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 971	978	993	998	1000	1002	1003	1011	1012	1014	1017
	7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.											
1A	**1102287**	* GENERATOR (12V., 25 AMP., C.W.)	1	1									
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)									1		
1A	**1117478**	* GENERATOR (24V., 40 AMP., C.W.)			1								
1A	**1105225**	* GENERATOR (24V., 18 AMP., C.C.W.)					1						1
1A	**1105222**	* GENERATOR (24V., 18 AMP., C.W.)										1	
1A	**1117078**	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)				1							
1A	**1117072**	* ALTERNATOR (24V., 60 AMP., C.W., NEGATIVE GROUND)						1					
1A	**1117075**	* ALTERNATOR (24V., 60 AMP., C.C.W., NEGATIVE GROUND)							1				
1A	**1117071**	* ALTERNATOR (24V., 30 AMP., C.W., NEGATIVE GROUND)								1			
	5108422	+ SPACER (27/64"L.) (7.1598)			1								
	5126963	SPACER (2 1/4"L.) (4.6040)						1	1				
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)									1		
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)											2
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2			2						
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)						1	1				
	455537	BOLT, 3/8"-16X4" (12.9001)						1	1				
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)								1			
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)				2						2	
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)								1			
	427566	BOLT, 1/2"-13X1 1/2" (12.9001)			1								
	180179	BOLT, 1/2"-13X1 3/4" (12.9001)			1								
	106263	WASHER, 3/8" (12.9190)						1	1				
	103320	LOCKWASHER, 5/16" (12.9200)									1		2
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2	2	2	2	2		2	
	178591	LOCKWASHER, 1/2" INT. EXT. TOOTH (12.9220)			2								
	120376	NUT, 5/16"-18 (12.9120)									1		
	114493	LOCKNUT, 5/16"-24 (2.7170)											2
	117049	NUT, 3/8"-24 (12.9120)				2				2		2	
		+ OBSOLETE.											
		* NOT SERVICED BY DDA.											
	7.1440 - FAN, GENERATOR												
	1866400	* FAN	1	1							1		
	1943585	* FAN (INCLUDES BAFFLE)			1								
	1949548	* FAN (INCLUDES BAFFLE)				1							
	1937276	* FAN (INCLUDES BAFFLE)					1					1	1
	132971	SCREW, #12-24X3/8" RD. HD. SL. (12.9025)				4							
	100781	SCREW, #12-24X1" RD. HD. SL. (12.9025)			4								
	5177079	WASHER, 7/8" (12.9190)			1								
	106498	LOCKWASHER, #12 (12.9200)			4	4							
		* NOT SERVICED BY DDA.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 971	978	993	998	1000	1002	1003	1011	1012	1014	1017
		7.1470 - BAFFLE, GENERATOR FAN											
	1877887	* BAFFLE									1		
		* NOT SERVICED BY DDA.											
		7.1500 - PULLEY, GENERATOR											
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES	1	1			1	1	1	1	1	1	1
1A	5131301	PULLEY, 3.88" DIA., 2 GROOVES			1								
1A	5133563	PULLEY, 2.76" DIA., 2 GROOVES				1							
	5131296	@ HUB (5131301)			1								
		@ NOT SERVICED; USE PART NUMBER SHOWN IN PARENTHESES.											
		7.1575 - BELT, GENERATOR DRIVE											
		ALL BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.											
1A	5133178	BELT SET (2 BELTS, 36"L.X.380"W.)										1	
1A	5133177	BELT SET (2 BELTS, 37"L.X.380"W.)				1							
1A	5133174	BELT SET (2 BELTS, 40"L.X.380"W.)	1										
1A	5120937	BELT SET (2 BELTS, 41.62"L.X.380"W.)					1	1	1				
1A	5100366	BELT SET (2 BELTS, 43"L.X.380"W) (MS)			1					1			
1A	5125514	BELT SET (2 BELTS, 44.18"L.X.380" W.) (5.1215)											1
1A	9433610	BELT (30"L.X.380"W.)		1							1		
1A	9433624	BELT (37"L.X.380"W.) (1.3320)											
		7.1580 - STRAP, GENERATOR ADJUSTING											
1A	5109908	STRAP						1	1				1
1A	5126856	STRAP	1										
1A	5131159	STRAP		1			1						
1A	5129088	STRAP			1								
1A	5134118	STRAP				1							
1A	5137977	STRAP								1			
1A	5132018	STRAP									1		
1A	5164295	STRAP										1	
1A	5127588	STRAP									1		1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1	1		1	1					1	
	186629	BOLT, 5/16"-18X1" (12.9001)			1								
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1		1	1	1	1			1	
	454813	BOLT, 3/8"-16X7/8" (12.9001)								2	1		
	179839	BOLT, 3/8"-16X1" (12.9001)						1	1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 971	978	993	998	1000	1002	1003	1011	1012	1014	1017
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
	186627	BOLT, 3/8"-24X1" (12.9001)											1
	181637	BOLT, 3/8"-24X1" (12.9001)			1								
	5150230	WASHER, 3/8" (3.4120)	1	1		1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1		1	1				1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		1	AR	AR	AR	AR	AR	AR	AR
	178551	LOCKWASHER, 3/8" INT-EXT TOOTH (12.9215)			3								
	117049	NUT, 3/8"-24 (12.9120)											1
	103026	NUT, 3/8"-24 (12.9120)			1								
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5170276	SPACER	1										
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5108991	GUARD						1					
	5108992	GUARD							1				
	5132556	GUARD									1		
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)									1		
	9409914	BOLT, 3/8"-16X4 1/4" LOCK (12.9001)									1		
	103340	WASHER, 5/16" (12.9190)									1		
	103320	LOCKWASHER, 5/16" (12.9200)									1		
	120376	NUT, 5/16"-18 (12.9120)									1		
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5126113	BRACKET						1	1				
	5129361	BRACKET									1		
	5101265	RETAINER, 1/4"-20 SCREW (7.1505)						1	1		1		
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)						1	1		1		
	427588	BOLT, 3/8"-16X2" (12.9001)									1		
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1	1				
	120392	WASHER, 1/4" (12.9190)						1	1		1		
	103341	WASHER, 3/8" (12.9190)						1	1				
	103321	LOCKWASHER, 3/8" (12.9200)						1	1				
	117049	NUT, 3/8"-24 (12.9120)						1	1				
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5129841	+ SPACER (2 1/2"L.) (7.1590)									1		
	5177000	SPACER (.80"L.) (7.1598)									1		
	5156405	SPACER (2" L.) (7.1581)									1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 971	978	993	998	1000	1002	1003	1011	1012	1014	1017
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)											
		+ OBSOLETE.											
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	5135125	BRACKET											1
1A	5126936	BRACKET	1	1			1	1	1				
1A	5100380	BRACKET			1								
1A	5162895	BRACKET				1							
1A	5132234	BRACKET								1			
1A	5109097	# BRACKET									1		
1A	5127131	BRACKET										1	
	5135164	SPACER											1
	5175705	SPACER, 13/32" I.D.X1" (8.3826)	3										
	5126323	SHIM, .012" THICK (4.4110)									AR		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											1
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)									2		
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)											1
	179839	BOLT, 3/8"-16X1" (12.9001)				3						3	
	186678	BOLT, 3/8"-16X1" (12.9001)			3								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											2
	454813	BOLT, 3/8"-16X1 1/4" (12.9001)		3			3	3	3				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									1		2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	3										
	186627	BOLT, 3/8"-24X1" (12.9001)								2			
	106261	WASHER, 1/4" (12.9190)											1
	5152148	WASHER, 3/8" COPPER (2.4050)										1	
	103320	LOCKWASHER, 5/16" (12.9200)									2		
	103321	LOCKWASHER, 3/8" (12.9200)	3	3		3	3	3	3	2	1	3	2
	178551	LOCKWASHER, 3/8" INT-EXT TOOTH (12.9215)			3								
	114493	LOCKNUT, 5/16"-24 (2.7170)											1
	117049	NUT, 3/8"-24 (12.9120)								2			
		# NOT SERVICED, SUPERSEDED BY (1) 5142647 AND (1) 5137450 BRACKETS.											
		7.1605 - REGULATOR, VOLTAGE											
	1119292	* REGULATOR (NEGATIVE RETURN)									1		
	1118955	* REGULATOR (POSITIVE RETURN)	1	1									
	1118558	* REGULATOR (NEGATIVE RETURN)			1								
	9000590	* REGULATOR (12V.)				1							
	1119285	* REGULATOR (POSITIVE RETURN)					1						1
	9000591	* REGULATOR (24V.)						1	1	1			
	1119206	* REGULATOR (NEGATIVE RETURN)										1	
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)	4										
	103319	LOCKWASHER, 1/4" (12.9200)	4										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 971	978	993	998	1000	1002	1003	1011	1012	1014	1017
		7.1605 - REGULATOR, VOLTAGE (CONT'D)											
	178532	LOCKWASHER, 5/16" INT-EXT TOOTH (12.9215)			4								
	121902	NUT, 1/4"-28 (12.9120)	4										
	120376	NUT, 5/16"-18 (12.9120)			4								
		* NOT SERVICED BY DDA.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1116895	* RELAY ASSY. (12V.)				1							
	1116993	* RELAY ASSY. (24V.)						1	1	1			
		* NOT SERVICED BY DDA.											
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5139507	PLATE	1										
	5131742	PLATE			1								
	5175304	SPACER, 13/32" I.D. X 1 1/16" L. (11.1160)			2								
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2										
	180129	BOLT, 3/8"-16X1 7/8" (12.9001)			2								
	103321	LOCKWASHER, 3/8" (12.9200)			2								
	178551	LOCKWASHER, 3/8" INT-EXT. TOOTH (12.9215)			2								
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	5179976	MOUNTING ASSY. (SPRING)			4								
	1910966	* MOUNTING ASSY. (SHOCK)				1		1	1				
	178532	LOCKWASHER, 5/16" INT-EXT. TOOTH (12.9215)			5								
	178551	LOCKWASHER, 3/8" INT-EXT. TOOTH (12.9215)			1								
	120376	NUT, 5/16"-18 (12.9120)			4								
		* NOT SERVICED BY DDA.											
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	5127219	+ CONDUIT ASSY.			1								
	5187908	STRAP			1								
	5157702	CLIP (4.8040)			1								
	5175705	SPACER, 13/32" I.D.X1" L. (8.3826)			1								
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)			1								
	103321	LOCKWASHER, 3/8" (12.9200)			1								
		+ OBSOLETE.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1021	1032	1035	1039	1040	1046	1056	1063	1064	1072	1073	1084
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)										1		1
1A	1105225	* GENERATOR (24V., 18 AMP., C.C.W.)	1					1						
1A	1105222	* GENERATOR (24V., 18 AMP., C.W.)		1	1									
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)							1	1				
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)											1	
1A	1117072	* ALTERNATOR (24V., 60 AMP., C.W., NEGATIVE GROUND)				1								
1A	1117075	* ALTERNATOR (24V., 60 AMP., C.C.W., NEGATIVE GROUND)					1							
1A	1117071	* ALTERNATOR (24V., 30 AMP., C.W., NEGATIVE GROUND)									1			
	5129605	SPACER (11/16"L.) (7.1598)				1	1							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						2						
	179826	BOLT, 5/16"-18X2" (12.9001)				2	2							
	181342	BOLT, 5/16"-24X1 3/8" (12.9001)											2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2					2	2				
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)			2						1	2		
	100030	BOLT, 3/8"-24X2" (12.9001)									1			
	120393	WASHER, 5/16" (12.9190)				1	1							
	106263	WASHER, 3/8" (12.9190)									1			
	103320	LOCKWASHER, 5/16" (12.9200)				2	2	2					AR	
	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2				2	2	2	2		
	120376	NUT, 5/16"-18 (12.9120)				2	2	2						
	114493	LOCKNUT, 5/16"-24 (2.7170)											2	
	117049	NUT, 3/8"-24 (12.9120)			2						2	2		
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR												
	5129609	SHIELD, HEAT				1	1							
		7.1440 - FAN, GENERATOR												
	1937276	* FAN (INCLUDES BAFFLE)	1	1	1			1						
	1866400	* FAN							1	1			1	
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE							1	1				
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
	NPN	PULLEY (CUSTOMER FURNISHED)										1		
1A	5132527	PULLEY (2.76" DIA., 2 GROOVES)	1	1	1	1	1	1	1	1	1		1	
1A	5133563	PULLEY (2 11/16" DIA., 2 GROOVES)												1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1021	1032	1035	1039	1040	1046	1056	1063	1064	1072	1073	1084
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) *"MILITARY STANDARD" OR "POLY-VEE"* ARE "PREMIUM" POLYESTER BELTS.												
	NPN	BELT (CUSTOMER FURNISHED)										1		1
1A	**9433622**	BELT (36"L.X.38"W.)			1								1	
1A	**5133177**	BELT SET (2 BELTS, 37" L. X .380" W.)									1			
1A	**5133175**	BELT SET (2 BELTS, 39" L. X .380" W.)				1	1							
1A	**5133174**	BELT SET (2 BELTS, 40" L. X .380" W.)		1						1				
1A	**5120937**	BELT SET (2 BELTS, 41.62" L. X .380" W.)	1						1					
1A	**5125514**	BELT SET (2 BELTS, 44.18" L. X .380" W.) (5.1215)						1						
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5129088**	STRAP	1						1	1				
1A	**5131768**	STRAP		1										
1A	**5127588**	STRAP			1							1	1	
1A	**5109697**	STRAP				1								
1A	**5109698**	STRAP					1							
1A	**5109908**	STRAP						1						
1A	**5137977**	STRAP									1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1					1	1	1				
	186629	BOLT, 5/16"-18X1" (12.9001)		1	1	1	1					1	1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1	1				1	1		1	1	
	179839	BOLT, 3/8"-16 X 1 (12.9001)									1			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1			1	1				1			
	186285	BOLT, 3/8"-16X4" (12.9001)									1			
	186627	BOLT, 3/8"-24X1" (12.9001)						1						
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1		1	1	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	1	AR	AR	1	AR	AR	
	117049	NUT, 3/8"-24 (12.9120)						1						
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5139382	+ GUARD				1								
	5109696	+ GUARD					1							
	179837	BOLT, 3/8"-16X3/4" (12.9001)				1	1							
	179851	BOLT, 3/8"-16X3" (12.9001)				1	1							
	103341	WASHER, 3/8" (12.9190)				2	2							
	103319	LOCKWASHER, 1/4" (12.9200)				1	1							
	102635	NUT, 3/8"-16 (12.9120)				1	1							

+ OBSOLETE.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1021	1032	1035	1039	1040	1046	1056	1063	1064	1072	1073	1084
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5126113	BRACKET				1	1							
	5129668	BRACKET				2	2							
	5101265	RETAINER, SCREW (1/4"-20) (7.1587)				2	2							
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)				2	2							
	454894	BOLT, 1/4"-20X3/4" (12.9001)				1	1							
	120392	WASHER, 1/4" (12.9190)				2	2							
	103319	LOCKWASHER, 1/4" (12.9200)				1	1							
	120378	NUT, 1/4"-20 (12.9120)				1	1							
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5177469	SPACER, 1 3/16" L. (7.1585)				1	1							
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5126936	BRACKET	1	1					1	1				
1A	5127131	BRACKET			1						1	1	1	
1A	5129606	BRACKET				1	1							
1A	5135125	BRACKET						1						
	5135164	SPACER						1						
	5175705	SPACER, 13/32" I.D. X 1" W. (8.3826)							3					
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						1						
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)						1						
	179839	BOLT, 3/8"-16X1" (12.9001)			3	2	2				3	3	3	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	3	3						3				
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						2						
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)							3					
	106261	WASHER, 1/4" (12.9190)						1						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	103325	NUT, 5/16"-24 (12.9120)						1						
		7.1605 - REGULATOR, VOLTAGE												
	NPN	REGULATOR (CUSTOMER FURNISHED)										1		1
	1119206	* REGULATOR (NEGATIVE RETURN)	1	1										
	1119285	* REGULATOR (POSITIVE RETURN)			1			1						
	9000591	* REGULATOR (24V.)				1	1				1			
	1118955	* REGULATOR (POSITIVE RETURN)							1					
	1119292	* REGULATOR (NEGATIVE RETURN)								1			1	
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)	4					4						
	181317	BOLT, 1/4"-28X1 1/4" (12.9001)							4					
	103319	LOCKWASHER, 1/4" (12.9200)	4					4	4					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10211	10321	10351	10391	10401	10461	10556	10631	10641	10721	10731	10841
		7.1605 - REGULATOR, VOLTAGE (CONT'D)												
	121902	NUT, 1/4"-28 (12.9120)	4					4	4					
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115842	* RELAY ASSY. (24V.)				1	1				1			
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	PLATE	1					1						
	5133470	PLATE							1					
	5159347	SPACER, 3/4" O.D. X 1/2" (7.1581)							3					
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2					2						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							3					
	103321	LOCKWASHER, 3/8" (12.9200)	2					2	AR					
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)				1	1							
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985057	WIRE ASSY. (RED)				1	1							
	5126038	WIRE, 4" L. REG. TO BRACKET							1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1098	1100	1101	1102	1103	1106	1114	1117	1119	1126	1130
	7.1001 - GENERATOR ASSY.													
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)	1											
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)						1	1	1				
1A	**5102887**	* GENERATOR (24V., 18 AMP., C.W., NEGATIVE GROUND)									1			
1A	**1117081**	* ALTERNATOR (12V., 60 AMP., C.W., POSITIVE GROUND)		1										
1A	**1117780**	* ALTERNATOR (12V., 55 AMP., NEGATIVE GROUND)			1									
1A	**1117786**	* ALTERNATOR (24V., 30 AMP., NEGATIVE GROUND)				1								
1A	**1117754**	* ALTERNATOR (12V., 62 AMP., NEGATIVE GROUND)					1							
1A	**1117783**	* ALTERNATOR (12V., 62 AMP., NEGATIVE GROUND)										1		
1A	**1117070**	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)											1	
1A	**1117077**	* ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)												1
	5182628	SPACER, 13/32"X.75"X.15" (12.4045)									1			
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)						1						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1					1	1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									2			1
	179847	BOLT, 3/8"-16X2" (12.9001)												1
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)											1	
	100030	BOLT, 3/8"-24X2" (12.9001)											1	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			2	2	2							
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)		1								2		
	427570	BOLT, 7/16"-14X2" (12.9001)											1	1
	106263	WASHER, 3/8" (12.9190)		1								AR		
	103342	WASHER, 7/16" (12.9190)						AR						
	103320	LOCKWASHER, 5/16" (12.9200)							2	2			2	2
	103321	LOCKWASHER, 3/8" (12.9200)									2			
	178551	LOCKWASHER, 3/8" INT., EXT. TOOTH CAD. (12.9215)										2		
	103322	LOCKWASHER, 7/16" (12.9200)		2		2	2							2
	120376	NUT, 5/16"-18 (12.9120)						1					2	
	102635	NUT, 3/8"-16 (12.9120)										2		
	117049	NUT, 3/8"-24 (12.9120)												
	271500	NUT,7/16"-14 (12.9120)												
		* NOT SERVICED BY DDA.												
	7.1005 - SHIELD, GENERATOR													
	5129294	SHIELD, HEAT												1
	7.1440 - FAN, GENERATOR													
	1866400	* FAN						1	1	1				
	1949548	* FAN (INCLUDES BAFFLE)		1										
	5104705	FAN (INCLUDES BAFFLE)									1			

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1098	1100	1101	1102	1103	1106	1114	1117	1119	1126	1130
		7.1440 - FAN, GENERATOR (CONT'D)												
	132971	SCREW, #12-24X3/8" RD. HD. SL. (12.9025)		4										
	5137275	WASHER, .68" X 1.00" X .12" (1.2030)									1			
	106498'	LOCKWASHER, #12 (12.9200)		4										
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE						1	1	1				
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
	NPN	PULLEY (CUSTOMER FURNISHED)	1											
1A	5132527	PULLEY (2.76" DIA., 2 GROOVES)						1	1	1			1	1
1A	5133563	PULLEY (2 11/16" DIA., 2 GROOVES)		1	1	1	1					1		
1A	5121246	PULLEY (3.72" DIA., 2 GROOVES)									1			
		7.1503 - SPACER, GENERATOR DRIVEN PULLEY												
	5125294	SPACER, 1 1/4"O.D.X.50"L.									1			
		7.1505 - PULLEY, GENERATOR DRIVE												
	5130859	% PULLEY, 9" DIA., 2 GROOVES										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)										3		
	103320	LOCKWASHER, 5/16" (12.9200)										3		
		% NOT SERVICED, USE (1) 5132688 PULLEY, (1) 5145390 PULLEY, (1) 5139735 PLATE, (3) 179839 BOLT, (3) 103321 LOCKWASHERS AND SD-52.												
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
	5135030	BELT SET (2 BELTS, 34" L. X .380" W.)									1			
1A	9433622	BELT (36" L. X .380" W.)	1											
1A	9433264	BELT (37" L. X .380" W.) (1.3320)						1						
1A	5133177	BELT SET (2 BELTS, 37" L. X.380" W.)											1	
1A	5133175	BELT SET (2 BELTS, 39" L. X .380" W.)			1	1	1							
1A	5133174	BELT SET (2 BELTS, 40" L. X .380" W.)							1	1				1
1A	5133172	BELT SET (2 BELTS, 43" L. X .380" W.) (5.6425)		1										
1A	5132591	BELT SET (2 BELTS, 46" L. X .380" W.)										1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1098	1100	1101	1102	1103	1106	1114	1117	1119	1126	1130
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5129088**	STRAP							1	1				
1A	**5127588**	STRAP	1											
1A	**5137977**	STRAP											1	
1A	**5126856**	STRAP		1										
1A	**5134020**	STRAP			1	1	1							
1A	**5164295**	STRAP						1						
1A	**5134926**	STRAP										1		
1A	**5129112**	STRAP												1
1A	**5134333**	STRAP									1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1	1	1				
	179837	BOLT, 3/8"-16X3/4" (12.9001)									1			1
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1	1	1	1		1	1				
	179839	BOLT, 3/8"-16X1" (12.9001)			1	1	1	1			1		1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1									1	1
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)										1		
	455537	BOLT, 3/8"-16X4" (12.9001)											1	
	5150230	WASHER (3/8" FLAT) (3.4120)		1				1	1	1		1	1	1
	103341	WASHER, 3/8" FLAT (12.9190)									2			
	103320	LOCKWASHER, 5/16" (12.9200)						1	1	1				
	178551	LOCKWASHER, 3/8" INT., EXT. TOOTH CAD. (12.9215)									2			
	103321	LOCKWASHER, 3/8" (12.9200)		AR	2	2	2	1	AR	AR			2	2
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER, 13/32" I.D. X 7/8" O.D.			1	1	1							
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5132556	GUARD						1						
	5126114	GUARD							1	1				
	5134615	GUARD										1		
	5135420	+ GUARD												1
	186271	BOLT, 5/16"-18X3 3/4" (12.9001)						1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)										1		
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)							1	1				
	9409914	BOLT, 3/8"-16X4 1/4" LOCK (12.9001)						1						
	103340	WASHER, 5/16" (12.9190)						1				1		
	103341	WASHER, 3/8" (12.9190)												1
	120394	WASHER, 3/8" (12.9190)							1	1				
	103321	LOCKWASHER, 3/8" (12.9200)										1		1
	120376	NUT, 5/16"-18 (12.9120)						1						

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7.1000A BATTERY CHARGING GENERATOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1098	1100	1101	1102	1103	1106	1114	1117	1119	1126	1130
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5126113	BRACKET							1	2				
	5129361	BRACKET						1						1
	5131586	BRACKET										1		
	5134552	BRACKET										1		
	5101265	RETAINER, SCREW (1/4"-20) (7.1587)						1	2	2		1		3
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)						1	2	2		1		3
	179835	BOLT, 3/8"-16X5/8" (12.9001)										1		
	179847	BOLT, 3/8"-16X2" (12.9001)							1	1				
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						1				1		1
	186627	BOLT, 3/8"-24X1" (12.9001)												2
	120392	WASHER, 1/4" (12.9190)						1	2	2		1		3
	103321	LOCKWASHER, 3/8" (12.9200)										1		2
	102635	NUT, 3/8"-16 (12.9120)										1		
	117049	NUT, 3/8"-24 (12.9120)												2
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5177469	SPACER (1 3/16"L.) (7.1585)							1	1				
	5177000	SPACER (.80"L.) (7.1598)						1						1
	5129841	+ SPACER (2 1/2"L.)						1						
	5156405	SPACER (2"L.) (7.1581)						1						
	5182680	SPACER (2 1/2"L.)							1	1				
		+ OBSOLETE.												
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5126936	BRACKET							1	1	1			
1A	5127131	BRACKET	1										1	
1A	5136712	BRACKET		1										
1A	5133940	BRACKET			1	1	1							
1A	5109097	# BRACKET						1						1
1A	5134614	BRACKET										1		
	5175705	SPACER, 13/32" I.D. X 1" W. (8.3826)		3										
	5126323	SHIM, .012" THICK (4.4115)						AR						AR
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										2		
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)						2						2
	179839	BOLT, 3/8"-16X1" (12.9001)											3	
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)									3			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			4	4	4		3	3		2		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						2						1
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		3										
	120393	WASHER, 5/16" (12.9190)										2		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1098	1100	1101	1102	1103	1106	1114	1117	1119	1126	1130
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	103341	WASHER, 3/8" (12.9190)					4					6		
	103320	LOCKWASHER, 5/16" (12.9200)						2				2		2
	178551	LOCKWASHER, 3/8" INT., EXT. TOOTH CAD. (12.9215)									3			
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR		AR	AR	AR
		# NOT SERVICED; SUPERSEDED BY (1) 5142647 AND (1) 5137450 REAR BRACKET.												
		7.1605 - REGULATOR, VOLTAGE												
	NPN	REGULATOR (CUSTOMER FURNISHED)	1											
	9000591	* REGULATOR (24V.)				1								
	5102888	REGULATOR (24V., 18 AMP., NEGATIVE GROUND)									1			
	1118955	* REGULATOR (POSITIVE RETURN)						1		1				
	1119292	* REGULATOR (NEGATIVE RETURN)							1					
	9000590	* REGULATOR (12V.)		1			1					1	1	1
	1119513	* REGULATOR (NEGATIVE RETURN)			1									
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115842	* RELAY ASSY. (24V.)				1								
	1115841	* RELAY ASSY. (12V.)		1			1					1	1	1
		* NOT SERVICED BY DDA.												
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)		1		1	1					1	1	1
	5179976	SPRING									4			
	178532	LOCKWASHER, 5/16" INT., EXT. TOOTH CAD. (12.9215)									10			
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY. (BLACK)		1			1					1	1	1
	5134376	+ CONDUIT ASSY.												1
		+ OBSOLETE.												

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1136	1137	1139	1140	1141	1142	1150	1152	1153	1156	1159	1160
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)												1
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)	1	1						1				
1A	1105222	* GENERATOR (24V., 18 AMP., C.W.)			1									
1A	1106825	* GENERATOR (12V., 50 AMP., C.C.W.)											1	
1A	1117070	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)				1			1		1			
1A	1117077	* ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)					1	1						
1A	1117071	* ALTERNATOR (24V., 30 AMP., C.W., NEGATIVE GROUND)										1		
	5126963	SPACER, 3/8" I.D. X 2.28" L. (4.6040)				1		1						
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)		2										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2		2		1		1	2				
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)				1	1	1	1					
	455537	BOLT, 3/8"-16X4" (12.9001)				1		1						
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)									1	1		
	100030	BOLT, 3/8"-24X2" (12.9001)									1	1		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)											1	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)												1
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)												1
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)		1										
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)											1	
	106263	WASHER, 3/8" (12.9190)				1	1	1	1		1	1		
	103320	LOCKWASHER, 5/16" (12.9200)		2										
	103321	LOCKWASHER, 3/8" (12.9200)	2		2	2	2	2	2	2	2	2		
	103322	LOCKWASHER, 7/16" (12.9200)											2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)		2										
	117049	NUT, 3/8"-24 (12.9120)									2	2		
	271500	NUT, 7/16"-14 (12.9120)												2
	456939	NUT, 7/16"-20 (12.9120)											1	
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1	1						1				
	1937276	* FAN (INCLUDES BAFFLE)			1									
	1910036	* FAN (INCLUDES BAFFLE)											1	
	9421917	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)											4	
	106498	LOCKWASHER, #12 (12.9200)											4	
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1	1						1				
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES	1	1	1	1	1	1	1	1	1	1		
1A	5130972	PULLEY, 3.32" DIA., 2 GROOVES											1	
1A	5133563	PULLEY, 2.76" DIA., 2 GROOVES												1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1136	1137	1139	1140	1141	1142	1150	1152	1153	1156	1159	1160
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	**5133177**	BELT SET (2 BELTS, 37" L. X .380" W.)									1	1		1
1A	**5133174**	BELT SET (2 BELTS, 40" L. X .380" W.)	1											
1A	**5134742**	BELT SET (2 BELTS, 41" L. X .380" W.) (MS)			1									
1A	**5120937**	BELT SET (2 BELTS, 41.62" L. X .380" W.)								1			1	
1A	**5133173**	BELT SET (2 BELTS, 42" L. X .380" W.)				1	1	1						
1A	**5126356**	BELT SET (2 BELTS, 42.50" L. X .380" W.) (5.1215)		1										
1A	**5133172**	BELT SET (2 BELTS, 43" L. XX .380" W.)							1					
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5129088**	STRAP	1											
1A	**5109908**	STRAP		1										
1A	**5121070**	STRAP			1		1						1	
1A	**5126856**	STRAP				1		1	1	1				
1A	**5137977**	STRAP									1	1		
1A	**5189076**	STRAP												1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1	1						1				
	186629	BOLT, 5/16"-18X1" (12.9001)			1									1
	179837	BOLT, 3/8"-16X3/4" (12.9001)												
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1	1	1	1	1	1		1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)												
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1			1	1	1	1		2	1	1	1
	179847	BOLT, 3/8"-16X2" (12.9001)										1		
	455537	BOLT, 3/8"-16X4" (12.9001)												
	186627	BOLT, 3/8"-24X1" (12.9001)		1										
	5150230	WASHER,3/8" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1					1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	102635	NUT, 3/8"-16 (12.9120)									1		1	
	117049	NUT, 3/8"-24 (12.9120)		1										
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5118956	SPACER, 13/32" I.D. X 1 1/8" L. (7.1595)												1
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5108991	GUARD				1								
	5108992	GUARD						1						

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7.1000A BATTERY CHARGING GENERATOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 1136	1137	1139	1140	1141	1142	1150	1152	1153	1156	1159	1160
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5126113	BRACKET				1		1						
	5101265	RETAINER, SCREW (1/4"-20) (7.1585)				1		1						
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)				1		1						
	181360	BOLT, 3/8"-24X3/4" (12.9001)				1		1						
	120392	WASHER, 1/4" (12.9190)				1		1						
	103341	WASHER, 3/8" (12.9190)				1		1						
	103321	LOCKWASHER, 3/8" (12.9200)				1		1						
	117049	NUT, 3/8"-24 (12.9120)				1		1						
		# NOT SERVICED, USE (1) 5142647 AND (1) 5137450 BRACKETS.												
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5126936	BRACKET	1		1	1	1	1	1	1				
1A	5135125	BRACKET		1							1	1		
1A	5127131	BRACKET											1	
1A	5130841	BRACKET												1
1A	5134981	BRACKET												
	5135164	SPACER (7.1598)		1										
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		1										
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)		1										
	179839	BOLT, 3/8"-16X1" (12.9001)			3						3	3	3	3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	3			3	3	3						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		2										
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)							3	3				
	106261	WASHER, 1/4" (12.9190)		1										
	103321	LOCKWASHER, 3/8" (12.9200)	3	4	3	3	3	3	3	3	3	3	3	3
	114493	NUT, 5/16"-24 (12.9120)		1										
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)							3	3				
		7.1605 - REGULATOR, VOLTAGE												
	1119292	* REGULATOR (NEGATIVE RETURN)	1	1										
	1119206	* REGULATOR (NEGATIVE RETURN)			1									
	9000590	* REGULATOR (12V.)				1	1	1	1		1			
	1118955	* REGULATOR (POSITIVE RETURN)								1				
	9000591	* REGULATOR (24V.)										1		
	1119156	* REGULATOR (NEGATIVE RETURN)											1	
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)	4											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1136	1137	1139	1140	1141	1142	1150	1152	1153	1156	1159	1160
		7.1605 - REGULATOR, VOLTAGE (CONT'D)												
	103319	LOCKWASHER, 1/4" (12.9200)	4											
	121902	NUT, 1/4"-28 (12.9120)	4											
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY ASSY. (12V.)				1	1	1	1		1			
	1115842	* RELAY ASSY. (24V.)										1		
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	PLATE	1											
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2											
	103321	LOCKWASHER, 3/8" (12.9200)	2											
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)					1		1		1			
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY. (BLACK)				1	1	1	1		1			
	2985057	WIRE ASSY. (RED)										1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1162	1165	1166	1168	1174	1175	1178	1180	1181	1183	1184
	7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)							1		1		
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)											1
1A	**1105222**	* GENERATOR (24V., 18 AMP., C.W.)	1										
1A	**1106825**	* GENERATOR (12V., 50 AMP., C.C.W.)			1								
1A	**1117070**	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)					1						
1A	**1117077**	* ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)						1					
1A	**1117081**	* ALTERNATOR (12V., 60 AMP., C.W.)		1									
1A	**1117785**	* ALTERNATOR (32V., 45 AMP., NEG. GRD.)				1							
1A	**1117078**	* ALTERNATOR (12V., 60 AMP., C.W.)								1			
1A	**1117079**	* ALTERNATOR (32V., 30 AMP., C.C.W.)										1	
	5135164	SPACER (7.1598)											1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											1
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)											1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										1	
	179847	BOLT, 3/8"-16X2" (12.9001)										1	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)	2										
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			1					2			
	427570	BOLT, 7/16"-14X2" (12.9001)				2							
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)			1								
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)							1				
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)							1				
	106261	WASHER, 5/16" (12.9190)											1
	106263	WASHER, 3/8" (12.9190)		1									
	103341	WASHER, 3/8" (12.9190)										1	
	103342	WASHER, 7/16" (12.9190)				AR			AR				
	103320	LOCKWASHER, 5/16" (12.9200)											2
	103321	LOCKWASHER, 3/8" (12.9200)	2									2	
	103322	LOCKWASHER, 7/16" (12.9200)		2	2	2			2	2			
	114493	LOCKNUT, 5/16"-24 (2.7170)											2
	102635	NUT, 3/8"-16 (12.9120)										2	
	117049	NUT, 3/8"-24 (12.9120)	2										
	271500	NUT, 7/16"-14 (12.9120)				2				2			
	456939	NUT, 7/16"-20 (12.9120)			1				2				
		* NOT SERVICED BY DDA.											
	7.1005 - SHIELD, GENERATOR												
	5129294	SHIELD, HEAT										1	
	5129609	SHIELD, HEAT					1	1					
	7.1440 - FAN, GENERATOR												
	1866400	* FAN											1
	1937276	* FAN (INCLUDES BAFFLE)	1										
	1910036	* FAN (INCLUDES BAFFLE)			1								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1162	1165	1166	1168	1174	1175	1178	1180	1181	1183	1184
		7.1440 - FAN, GENERATOR (CONT'D)											
	1949548	* FAN (INCLUDES BAFFLE)		1						1			
	132971	SCREW, #12-24X3/8" RD. HD. SL. (12.9025)		4						4			
	9421917	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)			4								
	106498	LOCKWASHER, #12 (12.9200)		4	4					4			
		* NOT SERVICED BY DDA.											
		7.1470 - BAFFLE, GENERATOR FAN											
	1877887	* BAFFLE											1
		* NOT SERVICED BY DDA.											
		7.1500 - PULLEY, GENERATOR											
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES	1		1		1	1		1		1	1
1A	5133563	PULLEY, 2.76" DIA., 2 GROOVES		1		1			1				
1A	5108701	PULLEY, 3.24" DIA., 2 GROOVES									1		
		7.1505 - PULLEY, GENERATOR DRIVE											
	5130859	+ PULLEY, 9" DIA., 2 GROOVES				1							
	186625	BOLT, 5/16"-18X7/8" (12.9001)				3							
	103320	LOCKWASHER, 5/16" (12.9001)				3							
		+ NOT SERVICED, USE (1) 5132688 PULLEY, (1) 5139735 PULLEY, (1) 5139735 PLATE, (3) 179839 BOLTS, (3) 103321 LOCKWASHERS AND SD-52.											
		7.1575 - BELT, GENERATOR DRIVE											
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.											
1A	9433622	BELT (36" L. X .380" W.)	1										
1A	5133177	BELT SET (2 BELTS, 37" L. X .380" W.)								1	1		
1A	5133175	BELT SET (2 BELTS, 39" L. X .380" W.)					1	1	1				
1A	5133174	BELT SET (2 BELTS, 40" L. X .380" W.)										1	
1A	5126356	BELT SET (2 BELTS, 42.50" L. X .380" W.) (5.1215)			1								1
1A	5133172	BELT SET (2 BELTS, 43" L. X .380" W.)		1									
1A	5132591	BELT SET (2 BELTS, 46" L. X .380" W.)				1							
		7.1580 - STRAP, GENERATOR ADJUSTING											
1A	5109908	STRAP											1
1A	5126856	STRAP		1									
1A	5127588	STRAP	1								1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1162	1165	1166	1168	1174	1175	1178	1180	1181	1183	1184
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
1A	5130842	STRAP			1								
1A	5134926	STRAP				1							
1A	5109697	STRAP					1						
1A	5109698	STRAP						1					
1A	5134020	STRAP							1				
1A	5137977	STRAP								1			
1A	5129112	STRAP										1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)											1
	186629	BOLT, 5/16"-18X1" (12.9001)	1				1	1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)										1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1						1	1	1		
	179839	BOLT, 3/8"-16X1" (12.9001)		1					1				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1	2	1	2	2		1		1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)				1							
	186627	BOLT, 3/8"-24X1" (12.9001)											1
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1	1	1	1	1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1				1	1					1
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)											1
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5134615	GUARD				1							
	5139382	+ GUARD					1						
	5139381	+ GUARD						1					
	5135420	+ GUARD										1	
		+ OBSOLETE.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5126113	BRACKET					1	1					
	5134552	BRACKET				1							
	5129668	BRACKET					2	2					
	5129361	BRACKET										1	
	5129362	BRACKET										1	
	5101265	RETAINER, SCREW (1/4"-20) (7.1585)				1	2	2					
	5131586	CLIP, BRACKET 90 DEG.				1							
	5177469	SPACER, 13/32"I.D.X1 3/16"					1	1					
	5177000	SPACER (7.1598)										1	
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9001)				1	2	2				3	
	454894	BOLT, 1/4"-20X3/4" (12.9001)					1	1					
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1							
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1162	1165	1166	1168	1174	1175	1178	1180	1181	1183	1184
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)											
	179847	BOLT, 3/8"-16X2" (12.9001)						1					
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)				1						1	
	179851	BOLT, 3/8"-16X3" (12.9001)					1						
	186627	BOLT, 3/8"-24X1" (12.9001)										2	
	120392	WASHER, 1/4" (12.9190)				1	2	2				3	
	103341	WASHER, 3/8" (12.9190)					2	2				1	
	103319	LOCKWASHER, 1/4" (12.9200)					1	1					
	103321	LOCKWASHER, 3/8" (12.9200)				1	2	2				2	
	120375	NUT, 1/4"-20 (12.9120)					1	1					
	5101265	NUT, 1/4"-20 (7.1585)										3	
	102635	NUT, 3/8"-16 (12.9120)				1	1	1					
	117049	NUT, 3/8"-24 (12.9120)										2	
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	5127131	BRACKET	1								1		
1A	5130841	BRACKET			1								
1A	5136712	BRACKET		1									
1A	5134614	BRACKET				1							
1A	5129606	BRACKET					1	1					
1A	5133940	BRACKET							1				
1A	5162895	BRACKET								1			
1A	5109097	# BRACKET										1	1
1A	5135125	BRACKET										AR	
	5126323	SHIM, .012" THICK (4.4115)				2							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										2	
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)					2	2					
	179826	BOLT, 5/16"-18X2" (12.9001)											
	179839	BOLT, 3/8"-16X1" (12.9001)	3		3		3	3		3	3		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				2			4			1	2
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)											
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		3									
	120393	WASHER, 11/32" (12.9190)				2	1	1					
	103341	WASHER, 3/8" (12.9190)				2			AR				
	103320	LOCKWASHER, 5/16" (12.9200)				2	2	2				2	
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3	2	3	3	4	3	3	1	2
	120376	NUT, 5/16"-18 (12.9120)					2	2					
		# NOT SERVICED, USE (1) 5142647 AND (1) 5137450 BRACKETS.											
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)		3									
	5129605	SPACER (8.3826)					1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1162	1165	1166	1168	1174	1175	1178	1180	1181	1183	1184
		7.1605 - REGULATOR, VOLTAGE											
	1119292	* REGULATOR (NEGATIVE RETURN)											1
	9000590	* REGULATOR (12V.)		1			1	1		1			
	1119156	* REGULATOR (NEGATIVE RETURN)			1								
	1119285	* REGULATOR (POSITIVE RETURN)	1										
	9000593	* REGULATOR (32V.)				1						1	
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)											4
	103319	LOCKWASHER, 1/4" (12.9200)											4
	121902	NUT, 1/4"-28 (12.9120)											4
		* NOT SERVICED BY DDA.											
		7.1606 - BRACKET, GENERATOR VOLTAGE REGULATOR MOUNTING											
	5135398	BRACKET	1										
	5139507	BRACKET (7.1610)											1
	5135388	SUPPORT	1										
	100001	BOLT, 1/4"-28X3/4" (12.9001)	1										
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)	4										
	179835	BOLT, 3/8"-16X5/8" (12.9001)											1
	106261	WASHER, 1/4" PLAIN (3.4120)	1										
	103319	LOCKWASHER, 1/4" (12.9200)	5										
	103321	LOCKWASHER, 3/8" (12.9200)											1
	121902	NUT, 1/4"-28 (12.9120)	5										
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY ASSY. (12V.)		1			1	1		1			
	1115843	* RELAY ASSY. (30V.)				1						1	
		* NOT SERVICED BY DDA.											
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)		1		1	1	1		1			
		* NOT SERVICED BY DDA.											
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985054	WIRE ASSY. (BLACK)		1			1	1		1			
	5135444	+ WIRE ASSY. (BLACK)	1										
	2985055	WIRE ASSY. (BROWN)				1						1	
		+ OBSOLETE											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1186	1187	1190	1193	1194	1195	1197	1201	1202	1205	1207	1208
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)										1		
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)	1							1	1		1	1
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)			1	1			1					
1A	1117076	* ALTERNATOR (32V., 60 AMP., C.C.W.)		1			1							
1A	1117074	* ALTERNATOR (32V., 60 AMP., C.W.)						1						
	5135164	SPACER	1			1			1	1	1		1	1
	5126963	SPACER, 3/8" I.D. X 2.28" L. (4.6040)					1	1						
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1		2	1			1	1	1	2	1	1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)												
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)	1		1	1			1	1	1		1	1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1										
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)					1	1						
	179847	BOLT, 3/8"-16X2" (12.9001)		1										
	455537	BOLT, 3/8"-16X4" (12.9001)					1	1						
	106261	WASHER, 5/16" (12.9190)	1		1	1			1	1	1		1	1
	103341	WASHER, 3/8" (12.9190)		1										
	106263	WASHER, 3/8" (12.9190)					1	1						
	103320	LOCKWASHER, 5/16" (12.9200)	AR		AR	AR			AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)		2			2	2						
	114493	LOCKNUT, 5/16"-24 (2.7170)	1		1	1			1	1	1		1	1
	102635	NUT, 3/8"-16 (12.9120)		2										
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR												
	5129294	SHIELD, HEAT		1										
		7.1440 - FAN, GENERATOR												
	1866400	* FAN	1		1	1			1	1	1		1	1
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE	1							1	1		1	1
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES	1	1	1	1	1	1	1	1	1	1	1	1
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	5133172	BELT SET (2 BELTS, 43" L. X .380" W.)	1						1	1	1			

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1186	1187	1190	1193	1194	1195	1197	1201	1202	1205	1207	1208
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)												
1A	5133174	BELT SET (2 BELTS, 40" L. X .380" W.)		1										
1A	5126356	BELT SET (2 BELTS, 42.50" L. X .380" W.)			1	1							1	1
1A	5133173	BELT SET (2 BELTS, 42" L. X .380" W.)					1	1						
1A	5120937	BELT SET (2 BELTS, 41.62" L. X .380" W.)										1		
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	5109908	STRAP	1		1	1			1	1	1		1	1
1A	5129112	STRAP		1										
1A	5126856	STRAP					1	1						
1A	5129088	STRAP										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1		1	1			1	1	1	1	1	1
	179837	BOLT, 3/8"-16X3/4" (12.9001)		1										
	179838	BOLT, 3/8"-16X7/8" (12.9001)					1	1				1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1			1	1						
	186627	BOLT, 3/8"-24X1" (12.9001)	1		1	1			1	1	1		1	1
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1		1	1			1	1	1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)	1	2	1	1	2	2	1	1	1	1	1	1
	117049	NUT, 3/8"-24 (12.9120)	1		1	1			1	1	1		1	1
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5135420	+ GUARD		1										
	5108992	GUARD					1							
	5108991	GUARD						1						
	5126153	GUARD							1					
		+ OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5129361	BRACKET		2										
	5129362	BRACKET		1										
	5126113	BRACKET					1	1						
	5177000	SPACER (7.1598)		1										
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)		3			1	1						
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		1										
	181360	BOLT, 3/8"-24X3/4" (12.9001)						1						
	181361	BOLT, 3/8"-24X7/8" (12.9001)					1							
	186627	BOLT, 3/8"-24X1" (12.9001)		2										
	120392	WASHER, 1/4" (12.9190)		3			1	1						
	103341	WASHER, 3/8" (12.9190)		1			1	1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1186	1187	1190	1193	1194	1195	1197	1201	1202	1205	1207	1208
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
	103321	LOCKWASHER, 3/8" (12.9200)		3			1	1						
	5101265	NUT, 1/4"-20 (7.1585)		3			1	1						
	117049	NUT, 3/8"-24 (12.9120)		2			1	1						
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5135125	BRACKET	1		1	1			1	1	1		1	1
1A	5109097	# BRACKET		1								1		
1A	5126936	BRACKET					1	1						
	5126323	SHIM, .012" THICK (4.4115)		AR										
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)		2										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					3	3						
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2	1	2	2			2	2	2		2	2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)										3		
	103320	LOCKWASHER, 5/16" (12.9200)		2										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		# NOT SERVICED, USE (1) 5142647 AND (1) 5137450 BRACKET.												
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)										3		
		7.1605 - REGULATOR, VOLTAGE												
	1118955	* REGULATOR (POSITIVE RETURN)	1			1			1		1		1	1
	9000593	* REGULATOR (32V.)		1										
	1119292	* REGULATOR (NEGATIVE RETURN)			1					1				
	9000590	* REGULATOR (12V.)					1	1						
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)							4	4	4		4	
	103319	LOCKWASHER, 1/4" (12.9200)							4	4	4		4	
	121902	NUT, 1/4"-28 (12.9120)							4	4	4		4	
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115843	* RELAY ASSY. (30V.)		1										
	1115841	* RELAY ASSY. (12V.)					1	1						
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	PLATE							1	1	1		1	
	179835	BOLT, 3/8"-16X5/8" (12.9001)							2	2	2		2	
	103321	LOCKWASHER, 3/8" (12.9200)							2	2	2		2	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1186	1187	1190	1193	1194	1195	1197	1201	1202	1205	1207	1208
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK) * NOT SERVICED BY DDA.		1										
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985055	WIRE ASSY. (BROWN)		1										
	2985054	WIRE ASSY. (BLACK)					1	1						

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12199	12223	12227	12233	12235	12239	12241	12242	12248	12249
		7.1001 - GENERATOR ASSY.										
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.										
	NPN	GENERATOR (CUSTOMER FURNISHED)	1									
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)							1		1	
1A,B	1102287	* GENERATOR (12V., 25 AMP., C.W.)			1							1
1A,B	1102117	* GENERATOR (12V., 14 AMP., C.C.W.)				1						
1B	1117142	* GENERATOR (12V., 105 AMP., C.W.)						1				
1A	1117754	* ALTERNATOR (12V., 62 AMP., A.C.)		1								
1A,B	1117077	* ALTERNATOR (12V., 60 AMP., C.C.W.)			1							
1A	1117080	* ALTERNATOR (24V., 30 AMP., C.C.W.)					1					
1B	1117058	* ALTERNATOR (12V., 85 AMP.)								1		
	5135164	SPACER (7.1598)				1					1	1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1					1	1
	186654	BOLT, 5/16"-24X1 1/8" (12.9001)			2							
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)				1					1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					1					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1							
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)					1					
	179847	BOLT, 3/8"-16X2" (12.9001)			1							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)								1		
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)		1								
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)					1					
	106261	WASHER, 5/16" (12.9190)				1					1	1
	103341	WASHER, 3/8" (12.9190)			1							
	106263	WASHER, 3/8" (12.9190)					1					
	103342	WASHER, 7/16" (12.9190)		2						2		
	5131913	WASHER, 13/16"X29/64" SPECIAL			AR	AR					AR	AR
	103320	LOCKWASHER, 5/16" (12.9200)					2				2	
	103321	LOCKWASHER, 3/8" (12.9200)		2						2		
	103322	LOCKWASHER, 7/16" (12.9200)			2	1					1	1
	114493	LOCKNUT, 5/16"-24 (2.7170)			2							
	102635	NUT, 3/8"-16 (12.9120)								2		
	271500	NUT, 7/16"-14 (12.9120)		2								
	456939	NUT, 7/16"-20 (12.9120)										
		* NOT SERVICED BY DDA.										
		7.1005 - SHIELD, GENERATOR										
	5129294	SHIELD, HEAT			1							
		7.1440 - FAN, GENERATOR										
	1866400	* FAN			1				1		1	1
	1910036	* FAN (INCLUDES BAFFLE)						1				
	1949548	* FAN (INCLUDES BAFFLE)								1		
	132971	SCREW, #12-24X3/8" RD. HD. (12.9025)						4		4		
	106498	LOCKWASHER, #12 (12.9200)						4		4		
		* NOT SERVICED BY DDA.										
		7.1470 - BAFFLE, GENERATOR FAN										
	1877887	* BAFFLE							1		1	
		* NOT SERVICED BY DDA.										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12219	12202	12223	12227	12233	12235	12239	12241	12242	12248	12249
		7.1500 - PULLEY, GENERATOR											
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES			1	1		1		1		1	1
1A	5133310	PULLEY, 3.66" DIA., 2 GROOVES		1									
1A	5121246	PULLEY, 3.76" DIA., 2 GROOVES					1						
1A	5133563	PULLEY, 2.76" DIA., 2 GROOVES							1		1		
		7.1505 - PULLEY, GENERATOR DRIVE											
	5135541	+ PULLEY, 5.82" DIA., 2 GROOVES		1									
	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)		1									
	272906	NUT, 3/4"-16 (12.9140)		1									
		+ OBSOLETE.											
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
	5143234	HUB		1									
		7.1515 - SEAL, GENERATOR DRIVE OIL											
	5138710	SEAL (3.4160)		1									
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
	5135543	+ RETAINER		1									
	5134610	PIN, SPRING		2									
	186629	BOLT, 5/16"-18X1" (12.9001)		1									
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)		3									
		+ OBSOLETE.											
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
	5134260	GASKET		1									
		7.1530 - SHAFT, GENERATOR DRIVE											
	5143233	SHAFT (1.7640)		1									
		7.1535 - BEARING, GENERATOR DRIVE											
	908002	BEARING (5.4332)		1									
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5135540	SPACER (8.1001)		1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12219	12222	12223	12227	12233	12235	12239	12241	12242	12248	12249
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
	274621	LOCKRING		1									
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	COUPLING (1.7635)		1									
		7.1575 - BELT, GENERATOR DRIVE											
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.											
1A	**5133172**	BELT SET (2 BELTS, 43" L. X .380" W.)				1							
1A	**5133174**	BELT SET (2 BELTS, 40" L. X .380" W.)			1								
1A	**5126356**	BELT SET (2 BELTS, 42.50" L. X .380" W.)										1	1
1A	**5135299**	BELT SET (2 BELTS, 36"L.X.500"W.)		1									
1A	**5125514**	BELT SET (2 BELTS, 44.18" L. X .380" W.)					1						
1A	**5133601**	BELT SET (2 BELTS, 41" L. X .380" W.)						1					
1A	**5133177**	BELT SET (2 BELTS, 37" L. X .380" W.)							1		1		
1A	**9433610**	BELT (30" L. X .380" W.)								1			
		7.1580 - STRAP, GENERATOR ADJUSTING											
1A	**5109908**	STRAP				1	1					1	1
1A	**5129112**	STRAP			1								
1A	**5121070**	STRAP	1					1		1			
1A	**5135666**	STRAP		1							1		
1A	**5137977**	STRAP				1	1			1		1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1			1		1			
	179837	BOLT, 3/8"-16X3/4" (12.9001)									1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)		1				1					
	179839	BOLT, 3/8"-16X1" (12.9001)			1						1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1								1	1
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				1							
	186627	BOLT, 3/8"-24X1" (12.9001)										1	1
	5150230	WASHER, 3/8" (3.4120)			1	1	1	1		1		1	1
	103341	WASHER, 3/8" (12.9190)		1							1		
	5132147	WASHER, 13/32"X1.06"X.20 SPECIAL									1		
	103320	LOCKWASHER, 5/16" (12.9200)				1	1			1		1	1
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	1	AR	2		1	2	1	1
	117049	NUT, 3/8"-24 (12.9120)				1	1					1	1
		7.1581 - STRAP, GEN. ADJUSTING STRAP											
	5159347	SPACER, 3/4"O.D.X1/2"		1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12191	12202	12203	12207	12233	12235	12239	12241	12242	12248	12249
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5135420	+ GUARD			1								
		+ OBSOLETE.											
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5129361	BRACKET			2								
	5129362	BRACKET			1								
	5177000	SPACER (7.1598)			1								
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)			3								
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			1								
	186627	BOLT, 3/8"-24X1" (12.9001)			2								
	120392	WASHER, 1/4" (12.9190)			3								
	103341	WASHER, 3/8" (12.9190)			1								
	103321	LOCKWASHER, 3/8" (12.9200)			3								
	5101265	NUT, (1/4"-20) (7.1585)			3								
	117049	NUT, 3/8"-24 (12.9120)			2								
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	5135125	BRACKET				1	1					1	1
1A	5109097	# BRACKET			1								
1A	5126936	BRACKET	1					1		1			
1A	5135607	+ BRACKET (FRONT)		1									
1A	5137450	BRACKET (REAR)		1									
1A	5162895	BRACKET									1		
	5164294	SPACER, 13/32"X7/8"X1/8"		2									
	5126323	SHIM, .012" THICK (4.4115)			AR								
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)			2								
	179839	BOLT, 3/8"-16X1" (12.9001)		2							3		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)				2							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						3		2			
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)			1		2					2	2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								3			
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		2									
	103320	LOCKWASHER, 5/16" (12.9200)			2							1	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR		AR	AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)		2									
		# NOT SERVICED, USE (1) 5142647 AND (1) 5137450 BRACKET.											
		+ OBSOLETE.											
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5175705	SPACER, 13/32" I.. X 1" L. (8.3826)								3			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12191	12222	12223	12227	12233	12235	12239	12241	12242	12248	12249
		7.1605 - REGULATOR, VOLTAGE											
	1118955	* REGULATOR (POSITIVE RETURN)				1							
	1119292	* REGULATOR (NEGATIVE RETURN)								1		1	1
	9000590	* REGULATOR (12V.)		1	1				1		1		
	1119243	* REGULATOR (12V.)					1						
	9000591	* REGULATOR (24V.)					1						
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)				4							4
	103319	LOCKWASHER, 1/4" (12.9200)				4							4
	121902	NUT, 1/4"-28 (12.9120)				4							4
		* NOT SERVICED BY DDA.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY ASSY. (12V.)					1	1					
		* NOT SERVICED BY DDA.											
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5139507	PLATE							1	1	1		1
	179835	BOLT, 3/8"-16X5/8" (12.9001)							2	2	2		2
	103321	LOCKWASHER, 3/8" (12.9200)							2	2	2		2
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)		1									
		* NOT SERVICED BY DDA.											
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985055	WIRE ASSY. (BROWN)		1									
	2985054	WIRE ASSY. (BLACK)					1	1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1251	1252	1264	1266	1269	1277	1278	1298	1302	1307	1312	1328
		7.1001 - GENERATOR ASSY.												
		FOR TYPE 1316 USE TYPE 1560. FOR TYPE 1274 USE TYPE 1794. SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)							1		1			
	1117783	* GENERATOR (12V., 62 AMP., INSL.)			1									
1A	1117478	* GENERATOR (24V., 40 AMP., C.W.)					1							
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)						1						
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)								1				
1A	1105225	* GENERATOR (24V., 18 AMP., C.C.W.)										1		
1A	1117780	* ALTERNATOR (12V., 62 AMP., C.C.W., NEGATIVE GROUND)	1											
1A	1117785	* ALTERNATOR (32V., 45 AMP., NEG. GRD.)		1		1								
1A	1117071	* ALTERNATOR (24V., 30 AMP., C.W.)											1	
1A	1117075	* ALTERNATOR (24V., 60 AMP., C.C.W.)												1
	5135164	SPACER, 21/64" I.D. X .80" L. (7.1598)						1						
	5108422	+ SPACER, 27/64" L. (7.1598)					1							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						2						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							1					
	455537	BOLT, 3/8"-16X1 1/4" (12.9001)												1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)										1		
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)							1		1			1
	179847	BOLT, 3/8"-16X2" (12.9001)										1		
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)									1		1	
	100030	BOLT, 3/8"-24X2" (12.9001)									1		1	
	427570	BOLT, 7/16"-14X2" (12.9001)	2	2	2	2								
	427566	BOLT, 1/2"-13X1 1/2" (12.9001)					1							
	455001	BOLT, 1/2"-13X2" (12.9001)					1							
	106261	WASHER, 1/4" (12.9190)						1						
	103341	WASHER, 3/8" (12.9190)										1		
	103342	WASHER, 7/16" (12.9190)	2	2	2	2								
	106263	WASHER, 7/16" (12.9190)							1				1	1
	103320	LOCKWASHER, 5/16" (12.9200)						AR						
	103321	LOCKWASHER, 3/8" (12.9200)							AR		AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2								
	178691	LOCKWASHER, 1/2" INT.-EXT. TOOTH (12.9215)					1							
	120376	NUT, 5/16"-18 (12.9120)						1						
	102635	NUT, 3/8"-16 (12.9120)										2		
	117049	NUT, 3/8"-24 (12.9120)									2		2	
	271500	NUT, 7/16"-14 (12.9120)	2	2	2	2								
		+ OBSOLETE.												
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR												
	5129294	SHIELD, HEAT										1		
		7.1440 - FAN, GENERATOR												
	1943585	* FAN (INCLUDES BAFFLE)					1							
	1866400	* FAN						1		1				
	1937276	* FAN (INCLUDES BAFFLE)										1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12511	12512	12664	12666	12689	12777	12778	12988	13002	13007	13112	13128
		7.1440 - FAN, GENERATOR (CONT'D)												
	9421917	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)					4							
	5177079	WASHER, 7/8" (12.9190)					1							
	106498	LOCKWASHER, #12 (12.9200)					4							
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE								1				
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5133563	PULLEY, 2.76" DIA., 2 GROOVES	1	1	1	1								
1A	5137462	PULLEY, 3.44" DIA., 2 GROOVES					1							
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES						1	1	1	1	1	1	1
		7.1505 - PULLEY, GENERATOR DRIVE												
	5136421	PULLEY, 9" AND 7.5" DIAS., 4 GROOVES	1	1										
	186625	BOLT, 5/16"-18X7/8" (12.9001)	3	3										
	103320	LOCKWASHER, 5/16" (12.9200)	3	3										
		7.1575 - BELT, GENERATOR DRIVE												
		SIZES GIVEN ARE EFF. LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".												
1A	9433610	BELT (30" L. X .380" W.)								1				
1A	5133177	BELT SET (2 BELTS, 37" L. X .380" W.)							1		1		1	
1A	5133601	BELT SET (2 BELTS, 41" L. X .380" W.)								1		1		1
1A	5133173	BELT SET (2 BELTS, 42" L. X .380" W.)						1						
1A	5133172	BELT SET (2 BELTS, 43" L. X .380" W.)												
1A	5136878	BELT SET (2 BELTS, 44" L. X .380" W.) (M.S.)					1							
1A	5132591	BELT SET (2 BELTS, 46" L. X .380" W.)	1	1	1	1								
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	5134926	STRAP	1	1	1	1								
1A	5126856	STRAP					1							1
1A	5109908	STRAP						1						
1A	5121070	STRAP							1	1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12511	12512	12664	12666	12669	12677	12778	12798	13002	13007	13112	13128
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
1A	5137977	STRAP									1		1	
1A	5129112	STRAP										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1		1				
	179837	BOLT, 3/8"-16X3/4" (12.9001)					1					1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)							1	1				1
	186678	BOLT, 3/8"-16X1" (12.9001)					1				1		1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	1	1	1			1		1	1	1	1
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	1	1	1	1								
	186627	BOLT, 3/8"-24X1" (12.9001)						1						
	5150230	WASHER, 3/8" (3.4120)	1	1	1	1		1	1	1	1	1	1	1
	103341	WASHER, 3/8" (12.9190)									1		1	
	103320	LOCKWASHER, 5/16" (12.9200)						1		1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
	178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH (12.9215)					1							
	117049	NUT, 3/8"-24 (12.9120)						1						
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5134615	GUARD	1	1	1	1								
	5135420	+ GUARD										1		
	5108992	GUARD												1
		+ OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY												
	5134552	BRACKET	1	1	1	1								
	5129362	BRACKET										1		
	5129361	BRACKET										2		
	5126113	BRACKET												1
	5131586	CLIP, BRACKET 90 DEG.	1	1	1	1								
	5177000	SPACER										1		
	5101265	RETAINER, SCREW (1/4"-20) (7.1585)	1	1	1	1						1		1
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)	1	1	1	1						1		1
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1	1	1	1								
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	1	1	1	1						1		
	181361	BOLT, 3/8"-24X7/8" (12.9001)												1
	103341	WASHER, 3/8" (12.9190)												1
	120392	WASHER, 1/4" (12.9190)	1	1	1	1						1		1
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1								1
	102635	NUT, 3/8"-16 (12.9120)	1	1	1	1								
	117049	NUT, 3/8"-24 (12.9120)												1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12512	12552	12664	12666	12669	12677	12778	12798	13027	13070	13128	13288
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5126963	SPACER, 2.28" L. (4.6040)												1
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5134614	BRACKET	1	1	1	1								
1A	5100380	BRACKET					1							
1A	5135125	BRACKET						1						
1A	5126936	BRACKET							1	1				1
1A	5127131	BRACKET									1		1	
1A	5109097	+ BRACKET										1		
	5175705	SPACER, 13/32" I.D. X 1" L. (8.3826)								3				
	5126323	SHIM, .012" THICK (4.4115)										1		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	2	2	2	2								
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)										2		
	179839	BOLT, 3/8"-16X1" (12.9001)					3				3		3	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2	2			3	2				3
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						2				1		
	179848	BOLT, 3/8"-16X2 3/4" (12.9001)								3				
	186627	BOLT, 3/8"-24X1" (12.9001)										2		
	120393	WASHER, 5/16" (12.9190)		2	2	2								
	103341	WASHER, 3/8" (12.9190)	2	2	2	2						1		
	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2						2		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR			AR	AR	AR	AR	AR	AR
	178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH (12.9215)					3							
	117049	NUT, 3/8"-24 (12.9120)										2		
		+ NOT SERVICED, USE (1) 5142647 AND (1) 5137450 BRACKETS.												
		7.1605 - REGULATOR, VOLTAGE												
	9000590	* REGULATOR (12V.)	1		1									
	9000593	* REGULATOR (32V.)		1		1								
	1118558	* REGULATOR (NEGATIVE RETURN)					1							
	1119292	* REGULATOR (NEGATIVE RETURN)						1						
	1118955	* REGULATOR (POSITIVE RETURN)								1				
	1119206	* REGULATOR (NEGATIVE RETURN)										1		
	9000591	* REGULATOR (24V.)											1	1
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY ASSY. (12V.)	1		1				1		1			
	1115843	* RELAY ASSY. (30-32V.)		1		1								
	1115842	* RELAY ASSY. (24V.)												1
		* NOT SERVICED BY DDA.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12511	12552	12664	12666	12669	12777	12778	12898	13022	13077	13122	13128
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5138342	PLATE					1							
	5156404	SPACER, 3/4"I.D.X13/32"O.D.X1 7/16"					2							
	454907	BOLT, 3/8"-16X2 1/4" (12.9001)					2							
	178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH (12.9215)					2							
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)	1	1	1	1			1		1			1
	5179976	MOUNTING ASSY. (SPRING)					1							
	178532	LOCKWASHER, 5/16" INT.-EXT. TOOTH (12.9215)					10							
	120376	NUT, 5/16"-18 (12.9120)					8							
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY. (BLACK)	1		1			1		1				
	2985055	WIRE ASSY.		1		1								
	2985057	WIRE ASSY.												1
	5187908	STRAP					1							
	5127693	CONDUIT ASSY.					1							
	5108612	BRACKET (4.4395)					1							
	5174091	CLIP, 7/8"					1							
	180120	BOLT, 3/8"-16X3/4" (12.9001)					1							
	178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH (12.9215)					2							
	123221	NUT, 3/8"-16 (12.9120)					1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13330	13331	13332	13333	13335	13341	13347	13348	13354	13360	13363	13364
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)		1	1					1				
1A	1117478	* GENERATOR (24V., 40 AMP., C.W.)						1						
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)				1								
1A	1105225	* GENERATOR (24V., 18 AMP., C.C.W.)					1							
1A	1117495	* @ GENERATOR (24V., 25 AMP., C.W.)									1			
	5136513	# GENERATOR (24V.) (70D44264-A)											1	
1A	1117071	* ALTERNATOR (24V., 30 AMP., C.W.)										1		
1A	1117075	* ALTERNATOR (24V., 60 AMP., C.C.W.)							1					
1A	1117072	* ALTERNATOR (24V., 60 AMP., C.W.)	1											
1A	1117070	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)												1
	5135164	SPACER, 21/64" I.D. X .80" L. (7.1598)				1								
	5126963	SPACER, 3/8" I.D. X 2.28" L. (4.6040)	1											
	5108422	+ SPACER, 27/64" L. (7.1598)						1						
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)				1								
	455537	BOLT, 3/8"-16X4" (12.9001)	1											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1					
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	1											
	179847	BOLT, 3/8"-16X2" (12.9001)							1					
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)										1		
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)												1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)										2		
	100030	BOLT, 3/8"-24X2" (12.9001)												1
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)								2				
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)								1				
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)								1				
	186680	+ BOLT, 1/2"-13X2 1/4" (12.9001)						1					1	
	427569	BOLT, 1/2"-20X1 3/4" (12.9001)						1						
	5125608	WASHER, 7/16" (1.3112)								1				
	106261	WASHER, 1/4" (12.9190)				1								
	103341	WASHER, 3/8" (12.9190)							1					
	106263	WASHER, 7/16" (12.9190)	1											1
	103320	LOCKWASHER, 5/16" (12.9200)				AR								
	103321	LOCKWASHER, 3/8" (12.9200)	AR						2			AR		2
	103322	LOCKWASHER, 7/16" (12.9200)								2				
	178571	LOCKWASHER, 7/16" (12.9215)								4				
	178591	LOCKWASHER, 1/2" INT.-EXT. TOOTH (12.9215)						4					1	
	114493	LOCKNUT, 5/16"-24 (2.7170)				1								
	102635	NUT, 3/8"-16 (12.9120)							2					
	117049	NUT, 3/8"-24 (12.9120)										2		2
	271500	NUT, 7/16"-14 (12.9120)								2				
	127855	NUT, 7/16"-20 (12.9120)								2				
	120378	NUT, 1/2"-13 (12.9120)						1						
	120371	NUT, 1/2"-20 (12.9120)						1						

@ NOT SERVICED; USE 5138207 GENERATOR PLUS (1) 5109949 WASHER.

OBSOLETE; PROCURE FROM MOTOROLA, INC., 16180 WYOMING AVE., DETROIT, MICH. FURNISH THEIR ASSY. NUMBER SHOWN IN PARENTHESES.

+ OBSOLETE.

* NOT SERVICED BY DDA.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13301	13311	13322	13331	13351	13411	13471	13481	13541	13601	13631	13641
		7.1005 - SHIELD, GENERATOR												
	5129294	SHIELD, HEAT							1					
		7.1440 - FAN, GENERATOR												
	1943585	* FAN (INCLUDES BAFFLE)						1						
	1866400	* FAN			1	1								
	1937276	* FAN (INCLUDES BAFFLE)					1							
	9421917	SCREW, #12-24X7/16" RD. HD. SL. (12.9025)						4						
	5177079	WASHER, 7/8" (12.9190)						1						
	106498	LOCKWASHER, #12 (12.9200)						4						
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE			1									
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5133563	PULLEY, 2.76" DIA., 2 GROOVES								1				
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES	1		1	1	1		1			1		1
1A	5133310	PULLEY, 3.66" DIA., 2 GROOVES		1										
1A	5131301	PULLEY, 3.88" DIA., 2 GROOVES						1						
	5136810	+ PULLEY, 3.72" DIA., 1 GROOVE											1	
		+ OBSOLETE.												
		7.1505 - PULLEY, GENERATOR DRIVE												
	5135541	+ PULLEY, 5.82" DIA., 2 GROOVES		1										
	5136692	PULLEY, 2.76" DIA., 2 GROOVES									1			
	5140453	# PULLEY, 9.1" DIA., 1 GROOVE (1.3280)											1	
	5139735	PLATE, BACKING											1	
	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)		1										
	179835	BOLT, 3/8"-16X5/8" (12.9001)											3	
	103321	LOCKWASHER, 3/8" (12.9200)											3	
	272906	NUT, 3/4"-16 LOCK (12.9120)		1										
		+ OBSOLETE.												
		# NOT SERVICED, USE 5142131.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13301	13301	13301	13301	13301	13301	13301	13301	13301	13301	13301	13301
		7.1510 - HUB, GENERATOR DRIVE PULLEY												
	5134267	HUB		1										
	5143234	HUB (1.7610)		1										
	5143233	SHAFT (1.7640)		1										
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
	5135543	+ RETAINER		1										
	5134610	PIN, SPRING		1										
	186629	BOLT, 5/16"-18X1" (12.9001)		1										
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)		3										
		+ OBSOLETE.												
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER												
	5134260	GASKET		1										
		7.1535 - BEARING, GENERATOR DRIVE												
	908002	BEARING		1										
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING												
	5135540	SPACER (8.1001)		1										
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING												
	274621	LOCKRING		1										
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (1.7635)		1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13300	13301	13302	13303	13305	13401	13474	13488	13545	13560	13663	13664
		7.1575 - BELT, GENERATOR DRIVE												
		SIZES GIVEN ARE EFF. LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".												
1A	**5137111**	BELT (44" L. X .500" W.) (M.S.)											1	
1A	**5135299**	BELT SET (2 BELTS, 36" L. X .500" W.)		1										
1A	**5133177**	BELT SET (2 BELTS, 37" L. X .380" W.)								1				1
1A	**5130948**	BELT SET (2 BELTS, 37" L. X .380" W.) (M.S.)									1			
1A	**5137861**	BELT SET (2 BELTS, 39" L. X .380" W.) (M.S.)						1						
1A	**5133174**	BELT SET (2 BELTS, 40" L. X .380" W.)			1				1					
1A	**5133173**	BELT SET (2 BELTS, 42" L. X .380" W.)	1											
1A	**5126356**	BELT SET (2 BELTS, 42.50" L. X .380" W.)				1								
1A	**5120937**	BELT SET (2 BELTS, 42.50" L. X .380" W.)					1							
1A	**5133172**	BELT SET (2 BELTS, 43" L. X .380" W.)										1		
	5137730	DECAL, BELT INSTRUCTION											1	
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5126856**	STRAP	1											
1A	**5109908**	STRAP				1								
1A	**5137977**	STRAP												1
1A	**5129112**	STRAP							1					
1A	**5135666**	STRAP		1										
1A	**5129088**	STRAP			1		1							
1A	**5136851**	STRAP						1			1			
1A	**5131768**	STRAP								1				
1A	**5132018**	STRAP										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1	1								
	186629	BOLT, 5/16"-18X1" (12.9001)					1							
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1		1		1	2			2			
	179839	BOLT, 3/8"-16X1" (12.9001)		1						1		2		1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1						1					1
	179484	BOLT, 3/8"-16X2 1/4" (12.9001)								1				
	114926	BOLT, 3/8"-16X4 1/4" (12.9001)		1										
	186627	BOLT, 3/8"-24X1" (12.9001)				1								
	5150230	WASHER, 3/8" (3.4120)	1		1	1	1		1			1		1
	103341	WASHER, 3/8" (12.9190)		1										
	103320	LOCKWASHER, 5/16" (12.9200)			1	1	1							
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR	AR		AR		AR
	178551	LOCKWASHER, 3/8" (12.9215)						2			2			
	117049	NUT, 3/8"-24 (12.9120)				1								
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5167319	SPACER, 15/32"X7/8"X1 5/16"								1				
	5159347	SPACER, 13/32"X3/4"X1/2"		1										
	5164294	SPACER, 13/32"X7/8"X1/8"		2						1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1330	1331	1332	1333	1335	1341	1347	1348	1354	1360	1363	1364
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5135420	+ GUARD							1					
	5108991	GUARD	1											
		+ OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY												
	5129362	BRACKET							1					
	5129361	BRACKET							2					
	5126113	BRACKET	1											
	5177000	SPACER							1					
	5101265	RETAINER, SCREW (1/4"-20)	1						3					
	120628	BOLT, 1/4"-20 X 1/2" RD. HD. SL. (12.9025)	1						3					
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							1					
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1											
	186627	BOLT, 3/8"-24X1" (12.9001)							1					
	120392	WASHER, 1/4" (12.9190)	1						1					
	103341	WASHER, 3/8" (12.9190)	1						1					
	103321	LOCKWASHER, 3/8" (12.9200)	1						2					
	117049	NUT, 3/8"-24 (12.9120)	1						2					
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	**5135125**	BRACKET				1								
1A	**5126936**	BRACKET	1		1		1							1
1A	**5127131**	BRACKET												
1A	**5109097**	# BRACKET							1					
1A	**5135607**	+ BRACKET (FRONT)		1										
1A	**5137450**	BRACKET (REAR)		1										
1A	**5136972**	BRACKET						1						
1A	**5134981**	BRACKET								1				
1A	**5136971**	BRACKET									1			
1A	**5132234**	BRACKET										1		
	5136812	+ BRACKET (MOUNTING)											1	
	5136800	+ BRACKET (ADJUSTING)											1	
	5126323	SHIM, .012" THICK (4.4115)							1					
	180078	BOLT, 5/16"-18X7/8" (12.9001)											1	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1								
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)							2					
	179838	BOLT, 3/8"-16X7/8" (12.9001)						3			3			
	179839	BOLT, 3/8"-16X1" (12.9001)		2						3				3
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	3		5		5							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				2			1					
	454907	BOLT, 3/8"-16X2 1/4" (12.9001)											4	
	189305	BOLT, 3/8"-16X3 1/2" (12.9001)											2	
	186627	BOLT, 3/8"-24X1" (12.9001)										2		

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 13300	13301	13302	13303	13305	13401	13407	13408	13504	13600	13603	13604
	7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
179867	BOLT, 7/16"-14X2 1/4" (12.9001)		2										
103320	LOCKWASHER, 5/16" (12.9200)				2			2					
178532	LOCKWASHER, 5/16" INT.-EXT. TOOTH (12.9215)											1	
103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR	AR		AR		AR
178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH (12.9215)						6			3		6	
103322	LOCKWASHER, 7/16" (12.9200)		2										
117049	NUT, 3/8"-24 (12.9120)										2		
	+ OBSOLETE.												
	# NOT SERVICED, USE (1) 5142647 AND (1) 5137450 BRACKET.												
	7.1605 - REGULATOR, VOLTAGE												
9000590	* REGULATOR (12V.)		1										1
1118558	* REGULATOR (NEGATIVE RETURN)						1						
1118955	* REGULATOR (POSITIVE RETURN)				1								
9000591	* REGULATOR (24V.)	1						1			1		
1119285	* REGULATOR (24V.)					1							
5146387	= REGULATOR (24V.)									1			
5136512	@ REGULATOR (24V) (W/HARNESS) (70C44235A)										1	1	
5140800	@ RESISTOR (17C44555A07)										1	1	
5187720	+ CAPACITOR (500V.)											1	
106276	BOLT, 1/4"-28X1 1/8" (12.9001)				4								
103319	LOCKWASHER, 1/4" (12.9200)				4								
121902	NUT, 1/4"-28 (12.9120)				4								
	@ OBSOLETE PROCURE FOM MOTOROLY, INC., 16180 WYOMING AVE., DETROIT, MICH. FURNISH THEIR ASSY. NUMBER SHOWN IN PARENTHESES.												
	= NOT SERVICED, FOR SERVICE USE 5146719, BATTERY CHARGING GENERATOR.												
	* NOT SERVICED BY DDA.												
	+ OBSOLETE.												
	7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
1115841	* RELAY ASSY. (12V.)		1										1
1115842	* RELAY ASSY. (24V.)	1						1			1		
	* NOT SERVICED BY DDA.												
	7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
5139507	PLATE				1	1							
179835	BOLT, 3/8"-16X5/8" (12.9001)				2	2							
103321	LOCKWASHER, 3/8" (12.9200)				2	2							
	7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
1910966	* MOUNTING ASSY. (SHOCK)	1	1				1	1		1	1		1
5179976	MOUNTING ASSY. (SPRING)						1			1			
120376	NUT, 5/16"-18 (12.9120)						8			8			
	* NOT SERVICED BY DDA.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13301	13311	13312	13313	13315	13411	13417	13418	13514	13600	13603	13604
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY. (BLACK)		1										1
	2985057	WIRE ASSY.	1						1			1		
	5187908	STRAP						1			1			

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 13651	13681	13691	13711	13731	13811	13871	13881	13901	13991	14011	14014
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	1105225	* GENERATOR (24V., 18 AMP., C.C.W.)	1											
	5138207	% GENERATOR (24V., 25 AMP., C.W.) (5146719)			1									
1A	1102116	* GENERATOR (12V., 14 AMP., C.W.)				1								
1A	1102287	* GENERATOR (12V., 25 AMP., C.W.)					1		1		1			
1A	1100711	* GENERATOR (12V., 42 AMP., C.W., C.C.W.)						1						
1A	1117478	* GENERATOR (24V., 40 AMP., C.W.)								1				
1A	1117077	* ALTERNATOR (12V., 60 AMP., C.C.W.)											1	
	5135164	SPACER, 21/64" I.D. X .80" L. (7.1598)	1				1				1			
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1	1				1			
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)				2								
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)	1				1				1			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							2					2
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)											2	
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)		1										
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)										2		
	100030	BOLT, 3/8"-24X2" (12.9001)		1										
	186312	BOLT, 3/8"-24X4" (12.9001)						1						
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)			1									
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)			1									
	427566	BOLT, 1/2"-13X1 1/2" (12.9001)								1				
	180179	BOLT, 1/2"-13X1 3/4" (12.9001)								1				
	106261	WASHER, 1/4" (12.9190)	1				1				1			
	106263	WASHER, 7/16" (12.9190)		1										
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)			1									
	5109949	WASHER, 17/32"I.D.X3/16"O.D. (5.4025)			1									
	103320	LOCKWASHER, 5/16" (12.9200)	AR			AR	AR				AR			
	103321	LOCKWASHER, 3/8" (12.9200)		AR				1	AR			AR	AR	AR
	178571	LOCKWASHER, 7/16" INT.-EXT. TOOTH CAD. (12.9215)			3									
	178591	LOCKWASHER, 1/2" INT.-EXT. TOOTH (12.9215)								2				
	114493	LOCKNUT, 5/16"-24 (2.7170)	1				1				1			
	102635	NUT, 3/8"-16 (12.9120)											2	
	117049	NUT, 3/8"-24 (12.9120)		2								2		
	103026	NUT, 3/8"-24 (12.9120)						1						
		* NOT SERVICED BY DDA.												
		% NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
		7.1440 - FAN, GENERATOR												
	1937276	* FAN (INCLUDES BAFFLE)	1											
	1866400	* FAN					1		1		1			1
	1959703	* FAN (INCLUDES BAFFLE)						1						
	1943585	* FAN (INCLUDES BAFFLE)								1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1365	1368	1369	1371	1373	1381	1387	1388	1390	1399	1401	1414
		7.1440 - FAN, GENERATOR (CONT'D)												
	132971	SCREW, #12-24X3/8" RD. HD. (12.9025)								4				
	5177079	WASHER, 7/8" (12.9190)								1				
	106498	LOCKWASHER, #12 (12.9200)								4				
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	**5132527**	PULLEY, 2.76" DIA., 2 GROOVES	1	1		1	1	1	1		1		1	1
1A	**5136692**	PULLEY, 2.76" DIA., 2 GROOVES			1									
1A	**5133101**	PULLEY, 3.88" DIA., 2 GROOVES								1				
1A	**5133563**	PULLEY, 2.76" DIA., 2 GROOVES										1		
		7.1575 - BELT, GENERATOR DRIVE												
1A	**5135031**	BELT SET (2 BELTS, 36" L. X .380" W.) (5.1215)								1				
1A	**5133178**	BELT SET (2 BELTS, 36" L. X .380" W.)											1	
1A	**5133177**	BELT SET (2 BELTS, 37" L. X .380" W.)		1								1		
1A	**5133174**	BELT SET (2 BELTS, 40" L. X.380" W.)				1			1					
1A	**5134742**	BELT SET (2 BELTS, 41" L. X .380" W.)			1									
1A	**5133601**	BELT SET (2 BELTS, 41" L. X .380" W.)						1						
1A	**5120937**	BELT SET (2 BELTS, 41.62" L. X .380" W.)												1
1A	**5126356**	BELT SET (2 BELTS, 42.50" L. X .380" W.) (5.1215)									1			
1A	**5133172**	BELT SET (2 BELTS, 43"L.X.38"W.)					1							
1A	**5125514**	BELT SET (2 BELTS, 44.18" L. X .380" W.) (5.1215)	1											
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5109908**	STRAP	1				1				1			
1A	**5137977**	STRAP		1										
1A	**5134118**	STRAP			1									
	5134186	# STRAP				1								
1A	**5137948**	STRAP						1						
1A	**5121070**	STRAP							1		1			
1A	**5126856**	STRAP								1				
1A	**5131768**	STRAP										1		
	5138408	# STRAP											1	
1A	**5129088**	STRAP												1
	5167319	SPACER, 5/32"X7/8" (5.4600)										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1			1	1		1					1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						1						
	180120	BOLT, 3/8"-16X3/4" (12.9001)			1					2				
	179838	BOLT, 3/8"-16X7/8" (12.9001)				1			1				1	1
	179839	BOLT, 3/8"-16X1" (12.9001)		1				1				1		

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 13651	13681	13691	13711	13731	13811	13887	13888	13901	13999	14001	14114
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1									1	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)										1		
	186627	BOLT, 3/8"-24X1" (12.9001)	1				1				1			
	120393	WASHER, 11/32"X11/16" (12.9190)	1											
	103341	WASHER, 3/8" (12.9190)		1										
	5150230	WASHER, 3/8" (3.4120)		1		1	1		1		1		1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1			1	1	1	AR		1			AR
	103321	LOCKWASHER, 3/8" (12.9200)	1	AR		1	1	1	1		AR	AR	AR	1
	178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH CAD. (12.9215)			2					1				
	117049	NUT, 3/8"-24 (12.9120)	1				1				1			
		# OBSOLETE												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER, 13/32"X7/8"X1/8"							3			1		
	5159347	SPACER, 3/4"O.D.X1/2"									3			
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5126153	GUARD					1							
		7.1595 - BRACKET, GENERATOR MTG.												
	5135125	BRACKET	1				1				1			
	5127131	BRACKET		1										
	5136712	BRACKET			1									
	5137474	+ BRACKET				1								
1A	5137975	BRACKET						1						
1A	5126936	BRACKET							1					1
1A	5100380	BRACKET								1				
1A	5134981	BRACKET										1		
	5138411	+ BRACKET											1	
1A	5132527	BRACKET											1	
	5137947	BUSHING						1						
	5175705	SPACER, 13/32"I.D.X1"L. (8.3826)												3
	179839	BOLT, 3/8"-16X1" (12.9001)		3								3		
	186678	BOLT, 3/8"-16X1" (12.9001)			3					3				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)											3	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)				3		3	3					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	2				2				2			
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)												3
	103320	LOCKWASHER, 5/16" (12.9200)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13651	13668	13669	13671	13737	13811	13887	13888	13909	13991	14011	14014
		7.1595 - BRACKET, GENERATOR MTG. (CONT'D)												
	178551	LOCKWASHER, 3/8" (12.9215) + OBSOLETE			3					3				
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5108422	% SPACER, 9/16"X1"X.43" % OBSOLETE.								1				
		7.1605 - REGULATOR, VOLTAGE												
	1119207	* REGULATOR, 12V.				1								
	9000590	* REGULATOR, 12V.										1		
	1119285	* REGULATOR, 24V.	1											
	1118656	* REGULATOR, 24V.			1									
	1119292	* REGULATOR (NEGATIVE RETURN)					1		1					
	1118558	* REGULATOR (NEGATIVE RETURN)								1				
	1118955	* REGULATOR (POSITIVE RETURN) * NOT SERVICED BY DDA.									1		1	
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY ASSY. (12V.) * NOT SERVICED BY DDA.		1								1		
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5138342	PLATE			1									
	5139507	PLATE					1							
	5131742	PLATE					1							
	5108318	PLATE									1			
	5160629	SPACER, 13/32"X7/32" (4.2270)			2									
	5175304	SPACER, 13/32"X3/4"X1 1/16"								2				
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)					4							
	181317	BOLT, 1/4"-28X1 1/4" (12.9001)									4			
	179835	BOLT, 3/8"-16X5/8" (12.9001)					2							
	186678	BOLT, 3/8"-16X1" (12.9001)			2									
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									3			
	180129	BOLT, 3/8"-16X1 7/8" (12.9001)								2				
	103319	LOCKWASHER, 1/4" (12.9200)					4				4			
	178551	LOCKWASHER, 3/8" (12.9215)			2					2				
	103321	LOCKWASHER, 3/8" (12.9200)					2				3			
	121902	NUT, 1/4"-28 (12.9120)					4				4			
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)		1								1		
	5179976	MOUNTING ASSY. (SPRING)			4					4				
	178532	LOCKWASHER, 5/16" INT., EXT. TOOTH (12.9215)			10					9				

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 13651	13681	13691	13711	13731	13811	13871	13881	13901	13991	14011	14141
	7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR (CONT'D)												
120376	NUT, 5/16"-18 (12.9120)			8					8				
	* NOT SERVICED BY DDA.												
	7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
2985054	WIRE ASSY. (BLACK)		1									1	
5126038	WIRE									1			
5108617	HARNESS									1			
5187908	STRAP			1					1				
5125860	+ CONDUIT ASSY.			1									
5127219	+ CONDUIT ASSY.								1				
5108612	BRACKET			1									
5114541	BRACKET								1				
3223197	CLIP (7.4545)									1			
5174091	CLIP, 7/8"			1									
5157702	CLIP, 1" (4.8040)								1				
180120	BOLT, 3/8"-16X3/4" (12.9001)			1									
179837	BOLT, 3/8"-16X3/4" (12.9001)									1			
179838	BOLT, 3/8"-16X7/8" (12.9001)								1				
103341	WASHER, 3/8" (12.9190)									1			
178551	LOCKWASHER, 3/8" INT., EXT. TOOTH (12.9215)			2					4				
103321	LOCKWASHER, 3/8" (12.9215)									1			
123221	NUT, 3/8"-16 (12.9120)			1					1				
	+ OBSOLETE.												

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1416	1418	1419	1421	1423	1424	1426	1427	1433	1434	1436
		7.1001 - GENERATOR ASSY.											
		SERVICE ON ELECTRICAL EQUIPMENT (*) *IN THIS SECTION IS HANDLED THROUGH* AC DELCO.											
1A	**1100711**	* GENERATOR (12V., 42 AMP., C.W., C.C.W.)			1	1					1		
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)					1						1
1A	**1117077**	* ALTERNATOR (12V., 60 AMP., C.C.W.)						1					
1A	**1117094**	* ALTERNATOR (12V., 85 AMP., POS. GRD.)	1										
1A	**1117080**	* ALTERNATOR (24V., 30 AMP., C.C.W.)							1				
1A	**1117071**	* ALTERNATOR (24V., 30 AMP., C.W.)								1			
1A	**1117070**	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)										1	
	5135164	SPACER, 21/64" I.D. X .80" L. (7.1598)											1
	5129605	SPACER, 13/32"X7/8"X11/16"						1				1	
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)											1
	179826	BOLT, 5/16"-18X2" (12.9001)						2				2	
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)											1
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1				
	179847	BOLT, 3/8"-16X2" (12.9001)							1				
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)		2						1			
	100030	BOLT, 3/8"-24X2" (12.9001)								1			
	186312	BOLT, 3/8"-24X4" (12.9001)			1	1					1		
	100042	BOLT, 7/16"-20X2" (12.9001)	1										
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)	1										
	106261	WASHER, 1/4" (12.9190)											1
	120393	WASHER, 11/32"X11/16" (12.9190)						1				1	
	103341	WASHER, 3/8" (12.9190)							1				
	106263	WASHER, 7/16" (12.9190)								1			
	103320	LOCKWASHER, 5/16" (12.9200)						2				2	AR
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR		AR	AR	AR		
	103322	LOCKWASHER, 7/16" (12.9200)	2										
	120376	NUT, 5/16"-18 (12.9120)						2				2	
	102635	NUT, 3/8"-16 (12.9120)							2				
	117049	NUT, 3/8"-24 (12.9120)		2						2			
	103026	NUT, 3/8"-24 (12.9120)			1	1	1				1		
	456939	NUT, 7/16"-20 (12.9120)	2										
	114493	LOCKNUT, 5/16"-24 (2.7170)											1
		* NOT SERVICED BY DDA.											
		7.1005 - SHIELD, GENERATOR											
	5129609	SHIELD, HEAT						1				1	
	5129294	SHIELD, HEAT							1				
		7.1440 - FAN, GENERATOR											
	1866400	* FAN					1						1
	1959703	* FAN (INCLUDES BAFFLE)			1	1					1		
	1949548	* FAN (INCLUDES BAFFLE)	1	1									
	132971	SCREW, #12-24X3/8" RD. HD. (12.9025)	4	4									

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 14161	14181	14191	14211	14231	14241	14261	14271	14331	14341	14361
		7.1440 - FAN, GENERATOR (CONT'D)											
	106498	LOCKWASHER, #12 (12.9200)	4	4									
		* NOT SERVICED BY DDA.											
		7.1470 - BAFFLE, GENERATOR FAN											
	1877887	* BAFFLE					1						1
		* NOT SERVICED BY DDA.											
		7.1500 - PULLEY, GENERATOR											
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES			1	1	1	1	1	1	1	1	1
1A	5133563	PULLEY, 2.76" DIA., 2 GROOVES		1									
1A	5133310	PULLEY, 3.66" DIA., 2 GROOVES	1										
		7.1505 - PULLEY, GENERATOR DRIVE											
	5135541	+ PULLEY, 5.82" DIA., 2 GROOVES	1										
	124543	KEY, 1/8"X1/2" WOODRUFF (12.9350)	1										
	272906	NUT, 3/4"-16 LOCK (12.9120)	1										
		+ OBSOLETE.											
		7.1510 - HUB, GENERATOR DRIVE PULLEY											
	5143234	HUB (1.7610)	1										
		7.1515 - SEAL, GENERATOR DRIVE OIL											
	5138710	SEAL (3.4160)	1										
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
	5135543	+ RETAINER	1										
	5134610	PIN, SPRING	1										
	186629	BOLT, 5/16"-18X1" (12.9001)	1										
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	3										
		+ OBSOLETE.											
		7.1525 - GASKET, GENERATOR DRIVE BEARING AND OIL SEAL RETAINER											
	5134260	GASKET	1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14166	14188	14199	14211	14223	14244	14266	14277	14333	14344	14366
		7.1530 - SHAFT, GENERATOR DRIVE											
	5143233	SHAFT (1.7640)	1										
		7.1535 - BEARING, GENERATOR DRIVE											
	908002	BEARING (5.4332)	1										
		7.1540 - SPACER, GENERATOR DRIVE PULLEY SHAFT BEARING											
	5135540	SPACER (7.1515)	1										
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
	274621	LOCKRING	1										
		7.1560 - COUPLING, GENERATOR DRIVE											
	5139545	COUPLING (1.7635)	1										
		7.1575 - BELT, GENERATOR DRIVE											
1A	5133177	BELT SET (2 BELTS, 37" L. X .380" W.)		1				1		1		1	
1A	5133175	BELT SET (2 BELTS, 39" L. X .380" W.)							1				
1A	5133174	BELT SET (2 BELTS, 40" L. X .380" W.)									1		
1A	5133601	BELT SET (2 BELTS, 41" L. X .380" W.)			1	1							
1A	5126356	BELT SET (2 BELTS, 42.50"L.X.38"W.) (5.1215)											1
1A	5135299	BELT SET (2 BELTS, 36" L. X .500" W.)	1										
		7.1580 - STRAP, GENERATOR ADJUSTING											
1A	5109908	STRAP					1						1
1A	5137977	STRAP		1						1			
1A	5137948	STRAP			1						1		
1A	5135552	STRAP	1										
1A	5139506	STRAP				1							
1A	5109698	STRAP						1					
1A	5129112	STRAP							1				
1A	5109697	STRAP								1		1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1				1	
	186629	BOLT, 5/16"-18X1" (12.9001)											
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)			1	1					1		
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1				

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 14161	14118	14119	14221	14223	14224	14226	14227	14333	14334	14336
	7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
179839	BOLT, 3/8"-16X1" (12.9001)	1	1	1					1	1		
186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1				1	1	1		1	
114926	BOLT, 3/8"-16X4 1/4" (12.9001)	1										
186627	BOLT, 3/8"-24X1" (12.9001)				1							1
103341	WASHER, 3/8" (12.9190)	1	1						1			
5150230	WASHER, 3/8" (3.4120)		1				1	1	1		1	1
103320	LOCKWASHER, 5/16" (12.9200)			1	AR		AR			AR	AR	AR
103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR			AR	AR	AR		AR
117049	NUT, 3/8"-24 (12.9120)				1							1
	7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
5164294	SPACER, 13/32"X7/8"X1/8"			3	1					3		
5159347	SPACER, 3/4"O.D.X1/2"	1										
	7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
5139382	+ GUARD						1					
5109696	+ GUARD										1	
	+ OBSOLETE											
	7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY											
5126113	BRACKET						1				1	
5129668	BRACKET						2				2	
5129361	BRACKET							2				
5129362	BRACKET							1				
5101265	RETAINER, 1/4-20 SCREW (7.1585)						2	3			2	
5177469	SPACER, 13/32"X1 3/16" (7.1585)						1				1	
5177000	SPACER (7.1598)							1				
120628	SCREW, 1/4 -20X1/2 RD HD. (12.9025)						2	3			2	
454894	BOLT, 1/4"-20X3/4" (12.9001)						1				1	
186627	BOLT, 5/16"-18X1 3/8" (12.9001)							1				
179837	BOLT, 3/8"-16X3/4" (12.9001)						1				1	
179847	BOLT, 3/8"-16X2" (12.9001)						1					
427588	BOLT, 3/8"-16X2 1/2" (12.9001)							1				
179851	BOLT, 3/8"-16X3" (12.9001)										1	
120392	WASHER, 1/4" (12.9190)						2	3			2	
103341	WASHER, 3/8" (12.9190)						2				2	
103319	LOCKWASHER, 1/4" (12.9200)						1				1	
103321	LOCKWASHER, 3/8" (12.9200)						2				2	
120375	NUT, 1/4"-20 (12.9120)						1				1	
102635	NUT, 3/8"-16 (12.9120)						1				1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14161	14181	14191	14211	14231	14241	14261	14271	14331	14341	14361
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY (CONT'D)											
	117049	NUT, 3/8"-24 (12.9120)							2				
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	**5135125**	BRACKET											1
1A	**5127131**	BRACKET								1			
1A	**5137975**	BRACKET			1	1					1		
1A	**5135607**	+ BRACKET (FRONT)	1										
1A	**5137450**	BRACKET (REAR)	1										
1A	**5162895**	BRACKET		1									
1A	**5129606**	BRACKET						1				1	
	5109097	# BRACKET							1				
1A	**5137947**	BUSHING			1	1					1		
	5164294	SPACER, 13/32"X7/8"X1/8" (7.1581)	2						AR				
	5126323	SHIM, .012" THICK (4.4115)							2				
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)											
	179839	BOLT, 3/8"-16X1" (12.9001)	2	3				2		3		2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			3	3					3		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)							1				2
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)	2										
	103320	LOCKWASHER, 5/16" (12.9200)							2				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR			AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	2										
		# NOT SERVICED, USE 1-5142647 AND 1-5137450 BRACKETS.											
		+ OBSOLETE.											
		7.1605 - REGULATOR, VOLTAGE											
	9000590	* REGULATOR, 12V.	1					1				1	
	1119513	* REGULATOR, 12V.				1					1		
	9000591	* REGULATOR, 24V.							1				
	1118955	* REGULATOR (POSITIVE RETURN)					1						1
		* NOT SERVICED BY DDA.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115841	* RELAY ASSY. (12V.)	1					1					
	1115842	* RELAY ASSY. (24V.)							1				
		* NOT SERVICED BY DDA.											
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5139507	PLATE				1					1		1
	181309	BOLT, 1/4"-28X1/2" (12.9001)			2						2		
	181317	BOLT, 1/4"-28X1 1/4" (12.9001)											4

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 14161	14181	14191	14221	14223	14224	14226	14227	14333	14334	14336
	7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING (CONT'D)											
179835	BOLT, 3/8"-16X5/8" (12.9001)				2					2		2
103319	LOCKWASHER, 1/4" (12.9200)				2					2		4
103321	LOCKWASHER, 3/8" (12.9200)				2					2		3
121902	NUT, 1/4"-28 (12.9120)				2					2		4
	7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
1910966	* MOUNTING ASSY. (SHOCK)	1					1	1			1	
	* NOT SERVICED BY DDA.											
	7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
2985054	WIRE ASSY. (BLACK)	1					1				1	
2985057	WIRE ASSY. (RED)							1				

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1438	1442	1447	1448	1449	1450	1455	1463	1466	1471	1472	1473
		7.1001 - GENERATOR ASSY.												
		FOR TYPE 1454 USE TYPE 1722. SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
	NPN	GENERATOR (CUSTOMER FURNISHED)							1	1		1	1	
1A	1102288	* GENERATOR (12V., 25 AMP., C.C.W.)			1									
1B	1100711	* GENERATOR (12V., 42 AMP., C.W., C.C.W.)				1	1	1						1
1A	1105222	* GENERATOR (24V., 18 AMP., C.W.)												
1B	1117786	* ALTERNATOR (24V., 30 AMP., NEGATIVE GROUND)	1	1										
1A	1117070	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)									1			
	5135164	SPACER, 21/64" I.D. X .80" L. (7.1598)			1									
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)			1									
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)			1				1	1	1			1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							1	1				
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)				1	1	1						
	186312	BOLT, 3/8"-24X4" (12.9001)	2											
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		2										
	427570	BOLT, 7/16"-14X2" (12.9001)			1									
	106261	WASHER, 1/4" (12.9190)	2	2					1		1			
	103342	WASHER, 7/16" (12.9190)			AR	AR	AR	AR	AR		AR			AR
	106263	WASHER, 7/16" (12.9190)												
	103320	LOCKWASHER, 5/16" (12.9200)												
	103321	LOCKWASHER, 3/8" (12.9200)	2	2										
	103322	LOCKWASHER, 7/16" (12.9200)			1	1	1	1						
	114493	LOCKNUT, 5/16"-24 (2.7170)												
	103026	NUT, 3/8"-24 (12.9120)	2	2										
	271500	NUT, 7/16"-14 (12.9120)												
		* NOT SERVICED BY DDA.												
		7.1440 - FAN, GENERATOR												
	1866400	* FAN			1									
	1970765	* FAN (INCLUDES BAFFLE)				1	1	1						1
	1937276	* FAN												
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE			1									
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A,B	5133563	PULLEY, 2.76" DIA., 2 GROOVES	1	1										
1A,B	5132527	PULLEY, 2.76" DIA., 2 GROOVES			1	1	1	1	1		1			1
		7.1505 - PULLEY, GENERATOR DRIVE												
	5168696	PULLEY (5.50" DIA., 2 GROOVES)										1		
	124549	KEY, 3/16"X3/4" (12.9350)										1		
	272906	NUT, 3/4"-16 LOCK (12.9120)										1		

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 14388	14482	14487	14488	14489	14500	14555	14663	14666	14711	14712	14713
	7.1510 - HUB, GENERATOR DRIVE PULLEY												
5131130	SHAFT (1.7640)										1		
	7.1515 - SEAL, GENERATOR DRIVE OIL												
5131131	SPACER, OIL SEAL (1.3665)										1		
	7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL												
5131402	RETAINER ASSY. (1.7645)										1		
	7.1550 - PLATE, GENERATOR DRIVE PULLEY SHAFT COUPLING												
5170450	PLATE (1.7630)										1		
5177026	SPACER (1.7630)										1		
5119920	+ BOLT, 3/8"-24X1 5/16" (12.9001)										4		
	+ OBSOLETE.												
	7.1575 - BELT, GENERATOR DRIVE												
	ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
5133177	BELT SET (2 BELTS, 37" L. X .380" W.)	1											
5132591	BELT SET (2 BELTS, 46" L. X .380" W.)		1										
5126356	BELT SET (2 BELTS, 42.50" L. X .380" W.)			1									
1A 5133173	BELT SET (2 BELTS, 42" L. X .380" W.)				1								
1A 5133601	BELT SET (2 BELTS, 41" L. X .380" W.)					1	1	1	1	1			1
1A 5133174	BELT SET (2 BELTS, 40" L. X .380" W.)												
	7.1580 - STRAP, GENERATOR ADJUSTING												
1A 5131768	STRAP	1											1
1A 5134926	STRAP		1										
1A 5109908	STRAP			1									
1A 5137948	STRAP				1	1	1						
1A 5121070	STRAP							1		1			
1A 5129088	STRAP								1				
5182628	SPACER, 5/32" (12.4065)				1								
5167319	SPACER, 5/32"X7/8" (5.4600)	1											
186625	BOLT, 5/16"-18X7/8" (12.9001)			1					1				
186629	BOLT, 5/16"-18X1" (12.9001)												1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14438	14442	14447	14448	14449	14450	14455	14463	14466	14471	14472	14473
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1	1	1						
	179838	BOLT, 3/8"-16X7/8" (12.9001)							1	1	1			1
	179839	BOLT, 3/8"-16X1" (12.9001)	1			1	1	1						
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		1					1		1			
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	1											
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		1										
	186627	BOLT, 3/8"-24X1" (12.9001)			1									
	5150230	WASHER, 3/8" (3.4120)		1	1				1	1	1			
	103320	LOCKWASHER, 5/16" (12.9200)			1	1	1	1		1				1
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR			AR
	117049	NUT, 3/8"-24 (12.9120)			1									
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER, 13/32"X7/8"X1/8"	1			3	3	3						
	5159347	SPACER, 3/4"O.D.X1/2"			3									
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5139841	BRACKET											1	
	186629	BOLT, 5/16"-18X1" (12.9001)											2	
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5134615	GUARD		1										
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5134552	BRACKET		1										
	5101265	RETAINER, SCREW 1/4-20 (7.1585)		1										
	5131586	CLIP, BRACKET 90 DEG.		1										
	120628	SCREW, 1/4-20X1/2 RD HD. (12.9025)		1										
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1										
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		1										
	120392	WASHER, 1/4" (12.9190)		1										
	103321	LOCKWASHER, 3/8" (12.9200)		1										
	102635	NUT, 3/8"-16 (12.9120)		1										
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A,B	5134981	BRACKET	1											
1A,B	5134614	BRACKET		1										
1A,B	5135125	BRACKET			1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14388	14482	14477	14488	14489	14505	14555	14563	14666	14671	14722	14733
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
1A,B	5137975	BRACKET				1	1	1						
1A,B	5126936	BRACKET							1	1	1			1
	5137947	BUSHING				1	1	1						
	5175705	SPACER, 13/32"I.D.X1"L. (8.3826)				3								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		2										
	179839	BOLT, 3/8"-16X1" (12.9001)	3											
	186628	BOLT, 3/8"-16X1 1/8" (12.9001)			2									
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2			3	3	3	3	3			3
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)				3								
	120393	WASHER, 5/16" (12.9190)		2										
	103341	WASHER, 3/8" (12.9190)		2										
	103320	LOCKWASHER, 5/16" (12.9200)		2										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR			AR
		7.1605 - REGULATOR, VOLTAGE												
	9000591	* REGULATOR (24V.)	1	1										
	1118955	* REGULATOR (24V.) (POSITIVE RETURN)			1									
	1119513	* REGULATOR (12V.)				1	1	1						
	9000590	* REGULATOR (12V.)									1			
	1119285	* REGULATOR (24V.)												1
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)												4
	103319	LOCKWASHER, 1/4" (12.9200)												4
	121902	NUT, 1/4"-28 (12.9120)												4
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115842	* RELAY ASSY. (24V.)		1										
	1115841	* RELAY ASSY. (12V.)							1		1			
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5108318	PLATE			1									
	5139507	PLATE				1								1
	181309	BOLT, 1/4"-28X1/2" (12.9001)				2								
	181317	BOLT, 1/4"-28X1 1/4" (12.9001)			4									
	179835	BOLT, 3/8"-16X5/8" (12.9001)				2								2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			3									
	103319	LOCKWASHER, 1/4" (12.9200)			4	2								
	103321	LOCKWASHER, 3/8" (12.9200)			3	2								2
	121902	NUT, 1/4"-28 (12.9120)			4	2								
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)	1	1				1			1			
		* NOT SERVICED BY DDA.												

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7.1000A BATTERY CHARGING GENERATOR

7.1630 - WIRE ASSY., GENERATOR TO REGULATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1438	1442	1447	1448	1449	1450	1455	1463	1466	1471	1472	1473
	2985057	WIRE ASSY. (RED)		1										
	2985054	WIRE ASSY. (BLACK)							1		1			
	5126038	WIRE			1									
	1507359	@ + SWITCH (5# MAKE) (7.4598) (5100673)				1								
	5653562	@ + SWITCH (5# MAKE) (7.4598) (5100677)					1	1						
	5108617	HARNESS ASSY.			1									
	2977607	SLEEVE, INSULATOR (7.7001)					1							
	2977373	SLEEVE, INSULATOR (7.7001)					1							
	3223197	CLIP			1									
	2965142	TERMINAL, #14 OR #16 CABLE (7.7001)					5							
	5127510	TEE (12.9490)				1		1						
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)				1		1						
	179837	BOLT, 3/8"-16X3/4" (12.9001)			1									
	103341	WASHER, 3/8" (12.9190)			1									
	103321	LOCKWASHER, 3/8" (12.9200)			1									

@ INSTALLED IN FUEL FILTER.
+ NOT SERVICED, USE PART NUMBER IN PARENTHESIS.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14883	14884	14885	14886	14887	14890	14897	14899	15003	15055	15059
	7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.											
	NPN	GENERATOR (CUSTOMER FURNISHED)		1			1						
1A	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)			1								
1B	**1100711**	* GENERATOR (12V., 42 AMP., C.W., C.C.W.)				1						1	
	5138207	# GENERATOR (24V., 25 AMP., C. W.) (5146719)						1					1
1A	**1117495**	@ GENERATOR (24V., 25 AMP., C.W.)									1		
1B	**1117786**	* ALTERNATOR (24V., 30 AMP., NEG. GRD)	1						1				
1A	**1117072**	@ ALTERNATOR (24V., 60 AMP., C.W.)								1			
1A	**1117074**	* ALTERNATOR (32V., 60 AMP., C.W.)											
1B	**1117780**	* ALTERNATOR (12V., 62 AMP., NEG. GRD)	1						1				
	5126963	SPACER, 3/8" I.D. X 2.28" L. (4.6040)											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1						1				
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)											
	179847	BOLT, 3/8"-16X2" (12.9001)	1						1				
	455537	BOLT, 3/8"-16X4" (12.9001)											
	186312	BOLT, 3/8"-24X4" (12.9001)	1										
	180152	BOLT, 7/16"-14X7/8" (12.9001)				1						1	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						1					
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)									2		
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						1					
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)								2			
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)											1
	103341	WASHER, 3/8" (12.9190)											1
	103342	WASHER, 7/16" (12.9190)							1				
	106263	WASHER, 7/16" (12.9190)									2		
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)	1										
	5109949	WASHER, 17/32"I.D.X3/16"O.D. (5.4025)						1					1
	103321	LOCKWASHER, 3/8" (12.9200)						1					
	103322	LOCKWASHER, 7/16" (12.9200)	AR			AR			AR			AR	
	178571	LOCKWASHER, 7/16" (12.9215)								2	2		
	102635	NUT, 3/8"-16 (12.9120)						2					4
	103026	NUT, 3/8"-24 (12.9120)							2				
	271500	NUT, 7/16"-14 (12.9120)				1						1	
	127855	NUT, 7/16"-20 (12.9120)								2			
		# NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.											2
		* NOT SERVICED BY DDA.											
		@ NOT SERVICED; USE 5146719 GENERATOR PLUS 1-5109949 WASHER.											
	7.1005 - SHIELD, GENERATOR												
	5129294	SHIELD, HEAT							1				
	7.1440 - FAN, GENERATOR												
	1866400	* FAN			1								
	1970765	* FAN (INCLUDES BAFFLE)				1						1	
		* NOT SERVICED BY DDA.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1483	1484	1485	1486	1487	1490	1497	1499	1503	1505	1509
		7.1470 - BAFFLE, GENERATOR FAN											
	1877887	* BAFFLE * NOT SERVICED BY DDA.			1								
		7.1500 - PULLEY, GENERATOR											
1A	**5133563**	PULLEY, 2.76" DIA., 2 GROOVES								1	1		
1A	**5132527**	PULLEY, 2.76" DIA., 2 GROOVES	1		1	1	1		1			1	
		7.1505 - PULLEY, GENERATOR DRIVE											
	5136692	PULLEY, 2.76" DIA., 2 GROOVES						1					1
		7.1575 - BELT, GENERATOR DRIVE											
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.											
1A	**5133177**	BELT SET (2 BELTS, 37" L. X .380" W.)								1			1
1A	**5133173**	BELT SET (2 BELTS, 42" L. X .380" W.)	1										
1A	**5133601**	BELT SET (2 BELTS, 41" L. X .380" W.)				1						1	
1A	**5133174**	BELT SET (2 BELTS, 40" L. X .380" W.)							1				
1A	**5120937**	BELT SET (2 BELTS, 42.50" L. X .380" W.)			1								
1A	**5136627**	BELT SET (2 BELTS, 42" L. X .380" W.)						1					
1A	**5133175**	BELT SET (2 BELTS, 38" L. X .380" W.)									1		
		7.1580 - STRAP, GENERATOR ADJUSTING											
1A	**5131768**	STRAP								1			
1A	**5137948**	STRAP				1						1	
1A	**5121070**	STRAP			1								
1A	**5126856**	STRAP	1				1	1					
1A	**5129112**	STRAP							1				
1A	**5134020**	STRAP									1		
1A	**5136851**	STRAP											1
	5167319	SPACER, 5/32"X7/8" (5.4600)								1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1								
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1						1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)						1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)	1		1						1		2
	179839	BOLT, 3/8"-16X1" (12.9001)				1				1	1	1	
	186678	BOLT, 3/8"-16X1" (12.9001)						1					
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1						1				
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 14483	14484	14485	14486	14487	14490	14497	14499	15003	15005	15009
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
	5150230	WASHER, 3/8" (3.4120)	1		1				1				
	5131433	WASHER, .41" ID. X .134" (1.5001)										2	
	5121403	WASHER, 21/64" ID. X 3/16 (3.4080)										1	
	103320	LOCKWASHER, 5/16" (12.9200)	1		1	1						1	
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR		AR	AR	AR	AR	
	178551	LOCKWASHER, 3/8" (12.9215)						AR					AR
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER, 13/32"X7/8"X1/8"			3				1	1			
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5139841	BRACKET											1
	186629	BOLT, 5/16"-18X1" (12.9001)											2
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	5134981	BRACKET								1			
1A	5135125	BRACKET		1									
1A	5137975	BRACKET				1							
1A	5126936	BRACKET	1		1		1						
1A	5136712	BRACKET						1					
	5128949	+ BRACKET							1				
1A	5133940	BRACKET									1		
A	5142137	BRACKET										1	
A	5136971	BRACKET											1
	5137947	BUSHING				1						1	
	5175705	SPACER, 13/32"I.D.X1"L. (8.3826)			3		3						
	5126323	SHIM, .012 THICK (4.4110)							AR				
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)							2				
	179838	BOLT, 3/8"-16X7/8" (12.9001)											3
	179839	BOLT, 3/8"-16X1" (12.9001)								3			
	186678	BOLT, 3/8"-16X1" (12.9001)						1					
	186628	BOLT, 3/8"-16X1 1/8" (12.9001)		2					1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	3		2	3					4	3	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			3								
	5131913	WASHER, 13/16" X 29/64" X 5/32" SPL. (3.4001)								2			
	5152148	WASHER, 3/8" COP. (2.4050)								3			
	103320	LOCKWASHER, 5/16" (12.9200)							2				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR			AR	AR	AR	AR	
	178551	LOCKWASHER, 3/8" (12.9215)						1					1

+ OBSOLETE

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1483	1484	1485	1486	1487	1490	1497	1499	1503	1505	1509
		7.1605 - REGULATOR, VOLTAGE											
	9000591	* REGULATOR (24V.)	1								1		
	1119513	* REGULATOR (12V.)				1						1	
	9000590	* REGULATOR (12V.)								1			
	1119292	* REGULATOR (12V.) (NEGATIVE RETURN)			1								
	5146387	% REGULATOR (24V.)						1					1
	9000593	* REGULATOR (32V.)							1				
		% NOT SERVICED, FOR SERVICE USE 5146719, BATTERY CHARGING GENERATOR.											
		* NOT SERVICE BY DDA.											
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR											
	1115842	* RELAY ASSY. (24V.)	1								1		
	1115841	* RELAY ASSY. (12V.)								1			
	1115843	* RELAY ASSY. (32V.)							1				
		* NOT SERVICE BY DDA.											
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING											
	5139507	PLATE				1							
	5138342	PLATE						1					
	181309	BOLT, 1/4"-28X1/2" (12.9001)				2							
	179835	BOLT, 3/8"-16X5/8" (12.9001)				2							
	103319	LOCKWASHER, 1/4" (12.9200)				2							
	103321	LOCKWASHER, 3/8" (12.9200)				2							
	121902	NUT, 1/4"-28 (12.9120)				2							
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	1910966	* MOUNTING ASSY. (SHOCK)	1					1	1	1	1		4
	5179976	MOUNTING ASSY. (SPRING)						10					8
	178532	LOCKWASHER, 5/16 (12.9215)						8					
	120376	NUT, 5/16"-18 (12.9120)											
		* NOT SERVICED BY DDA.											
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	2985057	WIRE ASSY. (RED)	1								1		
	2985054	WIRE ASSY. (BLACK)							1	1			
	2985055	WIRE ASSY. (BROWN)						1					1
	5127693	CONDUIT ASSY.								1			
	5127694	CONDUIT ASSY.											
	1507359	@ + SWITCH (5# MAKE) (7.4598) (5100673)								1			
	5653562	@ + SWITCH (5# MAKE) (7.4598) (5100677)				1				1		1	
	2977607	SLEEVE, INSULATOR (7.7001)				1				2		1	
	2977373	SLEEVE, INSULATOR (7.7001)				1							
	2965142	TERMINAL, #14 OR #16 CABLE (7.7001)				5				5		5	
	5127510	TEE (12.9490)				1				1		1	
	112877	BUSHING, 1/4" X 1/8" RED. PIPE (12.9570)				1				1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1483	1484	1485	1486	1487	1490	1497	1499	1503	1505	1509
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR (CONT'D)											
	5187908	STRAP						1					1

@ INSTALLED IN FUEL FILTER.
+ NOT SERVICED, USE PART NUMBER IN PARENTHESIS.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15113	15114	15117	15118	15126	15128	15131	15143	15149	15156	15157	15160
	7.1001	**- GENERATOR ASSY.**												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A,B	**5142187**	GENERATOR (28V., 60 AMP., C.W., C.C.W.)	1	1										
1A	**1117783**	* GENERATOR (12V., 62 AMP., A.C., C.W.)			1									
1A,B	**1102116**	* GENERATOR (12V., 14 AMP., INSL., C.W.)				1								
1A,B	**1100711**	* GENERATOR (12V., 42 AMP., NEG. GRD., C.W., C.C.W.)					1							
1A,B	**1106825**	* GENERATOR (12V., 50 AMP., INSL., C.C.W.)						1						
1A,B	**1102176**	* GENERATOR (12V., 35 AMP., C.W. NEG. GRD.)								1				
1A,B	**1117495**	@ GENERATOR (24V., 25 AMP., NEG. GRD., C.W.)											1	
1A,B	**5138207**	# GENERATOR (28.5V., 25 AMP., C.W.) (5146719)												1
1A,B	**1117072**	* ALTERNATOR (24V., 60 AMP., NEG. GRD. C.W.)							1					
1A,B	**1117774**	* ALTERNATOR (24V., 30 AMP., NEG. GRD)									1	1		
	5135164	SPACER, 21/64"I.D.X.80"L. (7.1598)				1								
	5164294	SPACER, 13/32"X7/8"X1" (7.1581)					1							
	5182628	SPACER, 13/32"X7/8"X.15" (12.4065)		1										
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1								
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)				1								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				1								
	179847	BOLT, 3/8"-16X2" (12.9001)				1								
	181371	BOLT, 3/8"-24X1 3/8" (12.9001)								2				
	186312	BOLT, 3/8"-24X4" (12.9001)					1							
	180148	BOLT, 7/16"-14X1 3/8" (12.9001)		2										
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						1						1
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)									2	2	2	
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)												1
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)			2									
	427570	BOLT, 7/16"-14X2" (12.9001)	1											
	181670	BOLT, 7/16"-20X1 1/2" (12.9001)						1						
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)	1											
	181672	BOLT, 7/16"-20X1 3/4" (12.9001)				1								
	106261	WASHER, 5/16"X3/4" (12.9190)							AR					
	103341	WASHER, 3/8" (12.9190)									1	1		
	103342	WASHER, 7/16" (12.9190)	1										1	1
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)												
	5131913	WASHER, 13/16"X29/64"X5/32" SPL. (3.4001)			2						1	1	2	
	103320	LOCKWASHER, 5/16" (12.9200)				AR								
	103321	LOCKWASHER, 3/8" (12.9200)					AR		AR	AR				
	178571	LOCKWASHER, 7/16" (12.9215)	4	AR									AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)			AR			AR			AR	AR		
	114493	LOCKNUT, 5/16"-24 (2.7170)				1								
	102635	NUT, 3/8"-16 (12.9120)							2					
	103026	NUT, 3/8"-24 (12.9120)					1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15131	15141	15171	15181	15261	15281	15311	15431	15491	15561	15571	15601
		7.1001 - GENERATOR ASSY. (CONT'D)												
	117049	NUT, 3/8"-24 (12.9120)								2				
	271500	NUT, 7/16"-14 (12.9120)			2						2	2		
	127855	NUT, 7/16"-20 (12.9120)	2											
	456936	NUT, 7/16"-20 (12.9120)						1						
		@ NOT SERVICED; USE 5146719 GENERATOR PLUS (1) 5109949 WASHER.												
		# NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR HEAT												
	5129294	SHIELD										1		
	5143583	SHIELD											1	
	5143582	BRACKET											1	
	180120	BOLT, 3/8"-16X3/4" (12.9001)											1	
	178551	LOCKWASHER, 3/8" (12.9215)											1	
	123221	NUT, 3/8"-16 (12.9120)											1	
		7.1440 - FAN, GENERATOR												
1A	1970765	* FAN (INCLUDES BAFFLE)					1							
1A	1959703	* FAN (INCLUDES BAFFLE)								1				
1A	1910036	* FAN AND BAFFLE ASSY.						1						
	9421917	SCREW, #12-24X7/16" (12.9025)						4						
	106498	LOCKWASHER, #12 (12.9200)						4						
		* NOT SERVICED BY DDAD.												
		7.1500 - PULLEY, GENERATOR												
1A,B	5133563	PULLEY (2.76" DIA., 2 GROOVES)			1						1	1		
1A,B	5132527	PULLEY (2.76" DIA., 2 GROOVES)				1	1		1	1				
1A,B	5136692	PULLEY (2.76" DIA., 2 GROOVES)												1
1A,B	5130972	PULLEY (3.25" DIA., 2 GROOVES)						1						
1A,B	5138442	PULLEY (3.26" DIA., 2 GROOVES)	1	1									1	
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS ARE PREMIUM POLYESTER UNLESS INDICATED "M.S." (MILITARY STANDARD) OR "POLY-VEE".												
1A,B	9433622	BELT (1 BELT, 36 L. X .380" W.)								1				
1A,B	5137861	BELT SET (2 BELTS, 39 L. X .380" W.) (M.S.)	1											
1A,B	5135472	BELT SET (2 BELTS, 32 L. X .380" W.) (M.S.)		1										
1A,B	5133177	BELT SET (2 BELTS, 37 L. X .380" W.)			1						1	1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15131	15141	15171	15181	15262	15282	15313	15434	15492	15563	15575	15604
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)												
1A,B	**5126356**	BELT SET, 2 BELTS, 42.50 L. X .380" W.)				1		1						
1A,B	**5133601**	BELT SET, 2 BELTS, 41 L. X .380" W.)					1							
1A,B	**5133174**	BELT SET, 2 BELTS, 40 L. X .380" W.)							1					
1A,B	**5136878**	BELT SET, 2 BELTS, 44 L. X .380" W.) (M.S.)											1	
1A,B	**5136627**	BELT SET, 2 BELTS, 44 L. X .380" W.) (M.S.)												1
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A,B	**5136851**	STRAP	1											
1A,B	**5140517**	STRAP		1										
1A,B	**5131768**	STRAP			1						1	1		
1A,B	**5109908**	STRAP				1								
1A,B	**5137948**	STRAP					1							
1A,B	**5130842**	STRAP						1						
1A,B	**5129112**	STRAP							1					
1A,B	**5127588**	STRAP								1				
1A,B	**5133980**	STRAP											1	
1A,B	**5121070**	STRAP												1
	186625	BOLT, 5/16"-18X7/8" (12.9001)				1								
	186629	BOLT, 5/16"-18X1" (12.9001)								1				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					1							
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1										1
	179837	BOLT, 3/8"-16X3/4" (12.9001)							1					
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2							1				
	186678	BOLT, 3/8"-16X1" (12.9001)		1									1	
	179839	BOLT, 3/8"-16X1" (12.9001)			1		1				1	1		
	186678	BOLT, 3/8"-16X1" (12.9001)												1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						2	1					
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			1						1	1		
	186627	BOLT, 3/8"-24X1" (12.9001)				1								
	5150230	WASHER, 3/8" X 1 3/16" (3.4120)		1		1		1	1	1			1	
	5159080	WASHER, 3/4"X.078" (2.7260)										1		
	103320	LOCKWASHER, 5/16" (12.9200)				AR	AR			AR				
	178551	LOCKWASHER, 3/8" (12.9215)	AR	AR									AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)			AR	AR	AR	AR	AR	AR	AR	AR		
	117049	NUT, 3/8"-24 (12.9120)				1								
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER, 13/32" X 7/8" X 1/8"				1								
	5167319	SPACER, 15/32" X 7/8" X 1 5/16"			1						1	1		
	5132147	WASHER, 13/32" X 1.06" X .20" (3.4030)			1						1	1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15131	15141	15171	15181	15262	15283	15331	15431	15449	15556	15577	15600
		7.1585 - GUARD, GENERATOR DRIVE												
	5134520	+ GUARD							1					
		+ OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5129361	BRACKET						2						
	5129362	BRACKET							1					
	5177000	SPACER, 15/32" X .75" X .798" (7.1598)							1					
	120628	SCREW, 1/4"-20X1/2" (12.9025)							3					
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							1					
	186627	BOLT, 3/8"-24X1" (12.9001)							2					
	120392	WASHER, 1/4" (12.9190)							3					
	103341	WASHER, 3/8" (12.9190)							2					
	103321	LOCKWASHER, 3/8" (12.9200)							AR					
	5101265	NUT, 1/4"-28							3					
	117049	NUT, 3/8"-24 (12.9120)							2					
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A,B	5136971	BRACKET	1										1	
1A,B	5136712	BRACKET		1									1	1
1A,B	5134981	BRACKET			1						1	1		
1A,B	5135125	BRACKET				1								
1A,B	5142137	BRACKET					1							
1A,B	5130841	BRACKET						1						
1A,B	5109097	# BRACKET							1					
1A,B	5127131	BRACKET								1				
	5143584	SPACER, BRACKET (7.1596)											1	
	5137947	BUSHING, MOUNTING BRACKET					1							
	5126323	SHIM, .012" THICK (4.4115)							AR					
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)							2					
	179838	BOLT, 3/8"-16X7/8" (12.9001)	3											
	179839	BOLT, 3/8"-16X1" (12.9001)			3			3		3	3	3		
	179847	BOLT, 3/8"-16 X 2" (12.9001)											3	
	186678	BOLT, 3/8"-16X1" (12.9001)												3
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		3										
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)					2							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				2			1					
	5152148	WASHER, 3/8"X9/16" (COPPER)			3									
	5159080	WASHER, 3/4" O.D. X .078"											1	
	103320	LOCKWASHER, 5/16" (12.9200)							AR					
	178551	LOCKWASHER, 3/8 (12.9215)	AR	AR									AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)				AR	AR	AR	AR	AR	AR	AR		
		# NOT SERVICED SUPERSEDED BY 5142647 AND 5137450 BRACKETS.												
		7.1605 - REGULATOR, VOLTAGE												
	9000590	* REGULATOR, 12V., FULL TRANSFER			1									
	1119207	* REGULATOR, 12V., 14 AMP., NEG. GRD.				1								
	1119513	* REGULATOR, 12V., 42 AMP., NEG. GRD.					1							

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15131	15141	15171	15181	15261	15281	15311	15431	15491	15561	15571	15601
		7.1605 - REGULATOR, VOLTAGE (CONT'D)												
	1119200	* REGULATOR, 12V., 50 AMP., NEG. GRD.						1						
	9000591	* REGULATOR, 24V., 60 AMP., NEG. GRD.							1		1			
	1119168	* REGULATOR, 12V., 35 AMP., NEG. GRD.								1				
	5146387	# REGULATOR, 24V.												1
	181309	BOLT, 1/4"-28X1/2" (12.9001)					2							
	106276	BOLT, 1/4"-28X1 1/8" (12.9001)								2				
	103319	LOCKWASHER, 1/4" (12.9200)					2			2				
	121902	NUT, 1/4"-28 (12.9120)					2			2				
		# NOT SERVICED, FOR SERVICE USE 5146719, BATTERY CHARGING GENERATOR.												
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY ASSY. (12V.)			1									
	1115842	* RELAY ASSY. (24V.)							1		1			
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	PLATE					1							
	5136446	# PLATE												1
	5135388	SUPPORT								1				
	5135398	BRACKET								1				
	123450	BOLT, 1/4"-28X3/4" (12.9001)								1				
	179835	BOLT, 3/8"-16X5/8" (12.9001)					2							
	454907	BOLT, 3/8"-16X2 1/4" (12.9001)												2
	106261	WASHER, 5/16" X 3/4" (12.9190)								1				
	103319	LOCKWASHER, 1/4" (12.9200)								1				
	103321	LOCKWASHER, 3/8" (12.9200)					2							
	178551	LOCKWASHER, 3/8" INT., EXT. TOOTH (12.9200)												2
	121902	NUT, 1/4"-28 (12.9120)								1				
		# NOT SERVICED; FOR REPLACEMENT USE 5138242.												
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)			1			1		1	1			
	5179976	SPRING												4
	178532	LOCKWASHER, 5/16" (12.9200)												10
	120376	NUT, 5/16"-18 (12.9120)												8
		* NOT SERVICED BY DDA.												
		7.1615 - SPACER, GENERATOR VOLTAGE REGULATOR PLATE												
	5156404	SPACER, 3/4"X13/32"X7/16" (4.8040)												2

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7.1000A BATTERY CHARGING GENERATOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 15131	15141	16171	15181	15266	15288	15331	15443	15549	15566	15577	15600
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY., 60"L.			1									
	2985057	WIRE ASSY. (RED, 60"L.)							1					
	5127693	WIRE ASSY.												1
	5653562	+ SWITCH, FUEL PRESSURE (7.4598) (5100677)					1							
	2977373	SLEEVE, INSULATOR (7.7001)					1							
	5187908	STRAP, GROUND												1
	5108612	*BRACKET (4.4345)*												1
	5174091	CLIP, 7/8" (4.8040)												1
	2965142	TERMINAL, #14 OR #16 CABLE (7.7001)					5							
	444148	TEE, 1/4"-18 INV. FL. (12.9490)					1							
	5127510	TEE, 1/4"X5/8"-14 INV. FL. (12.9490)					1							
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)					1							
	180120	BOLT, 3/8"-16X3/4" (12.9001)												1
	178551	LOCKWASHER, 3/8" INV. EXT. TOOTH (12.9200)												2
	123321	NUT, 3/8"-16 (12.9120)												1

+ NOT SERVICED, USE PART NUMBER IN PARENTHESES.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1562	1563	1567	1570	1572	1577	1579	1581	1585	1592	1600	1601
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A,B	**5138207**	# GENERATOR (28.5V., 25 AMP., C.W.) (5146719)		1										
1A,B	**1102287**	* GENERATOR (12V., 25 AMP., C.W.)				1								
1A,B	**1102288**	* GENERATOR (12V., 25 AMP., C.C.W.)								1			1	
1A,B	**1105225**	* GENERATOR (24V., 18 AMP., INSL. C.C.W.)												1
1A,B	**1117774**	* ALTERNATOR (24V., 30 AMP., NEG. GRD)							1					
1A,B	**1117780**	* ALTERNATOR (12V., 55 AMP., NEG. GRD)	1								1			
1A,B	**1117075**	* ALTERNATOR (24V., 60 AMP., NEG. GRD)			1									
1A,B	**1117783**	* ALTERNATOR (12V., 62 AMP., INS.)					1					1		
1A,B	**1117785**	* ALTERNATOR (32V., 45 AMP., NEG. GRD)						1						
	5135164	SPACER, 21/64"I.D.X.80"L. (7.1598)				1								
	5164294	SPACER, 13/32"X7/8"X1" (7.1581)			1									
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)	3											
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1								
	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)				1								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1						1	
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)			1									
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			1									
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)		2										
	109857	BOLT, 7/16"-20X1 7/8" (12.9001)					1	1	1			1		
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)				2					2			
	5131433	WASHER, .41" X .81" X .134" SPEC. (1.5001)		1	1									
	106261	WASHER, 5/16"X3/4" (12.9190)				1								
	103342	WASHER, 7/16" (12.9190)	2								2			
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)		1										
	5108436	WASHER, 15/32"X15/16"X5/32" (7.1595)					1	1	1			1		
	5109949	WASHER, 17/32"X1"-3/16"X.1943" (5.4025)		1										
	5121905	WASHER, 7/8"X5/32" (3.4001)					1	1	1			1		
	103320	LOCKWASHER, 5/16" (12.9200)				AR								
	103321	LOCKWASHER, 3/8" (12.9200)			AR					AR			AR	
	178571	LOCKWASHER, 7/16 (12.9215)		4										
	103322	LOCKWASHER, 7/16" (12.9200)	AR				AR	AR	AR		AR	AR		
	114493	LOCKNUT, 5/16"-24 (2.7170)				1								
	102635	NUT, 3/8"-16 (12.9120)			2					1			1	
	271500	NUT, 7/16"-14 (12.9120)							1			1		
	456939	NUT, 7/16"-20 (12.9120)					1	1						
	127855	NUT, 7/16"-20 (12.9120)	2								2			
		# NOT SERVICED, USE SERVICE PART NUMBER SHOWN IN PARENTHESES.												
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR HEAT												
	5129294	SHIELD			1		1	1	1			1		
	5143718	SHIELD		1										
	5143843	BRACKET		1										
	180120	BOLT, 3/8"-16X3/4" (12.9001)		1										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1										
	178551	LOCKWASHER, 3/8 (12.9215)		4										
	123221	NUT, 3/8"-16 (12.9120)		2										

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7.1000A BATTERY CHARGING GENERATOR

MFG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1562	1563	1567	1570	1572	1577	1579	1581	1585	1592	1600	1601
		7.1440 - FAN, GENERATOR												
1A	1866400	* FAN				1				1			1	
	1937276	* FAN												1
		* NOT SERVICED BY DDA.												
		7.1470 - BAFFLE, GENERATOR FAN												
	1877887	* BAFFLE								1			1	
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A,B	5144416	PULLEY (1.90"DIA., POLY-V, 2 GROOVES)			1									
1A,B	5133563	PULLEY (2.76" DIA., 2 GROOVES)	1				1	1	1		1	1		
1A,B	5132527	PULLEY (2.76" DIA., 2 GROOVES)				1				1			1	1
1A,B	5136692	PULLEY (2.76" DIA., 2 GROOVES)		1										
		7.1505 - PULLEY, GENERATOR DRIVE												
	5136420	+ PULLEY (5.60" DIA., 2 GROOVES)			1									
	218217	KEY, 3/16"X5/8" (WOODRUFF) (12.9350)			1									
	5150087	NUT, 1 1/8"-18 (1.7140)			1									
		+ OBSOLETE.												
		7.1575 - BELT, GENERATOR DRIVE												
A,B	5133177	BELT SET (2 BELTS, 37" L. X .380" W.)								1			1	
,B	5126356	BELT SET (2 BELTS, 42.50" L. X .380" W.)												1
1A,B	5136878	BELT SET (2 BELTS, 44" L. X .380" W.) (M.S.)		1										
1A,B	5137635	BELT SET (2 BELTS, 44" L. X .380" W.) (1.3320)	1											
1A,B	5142280	BELT SET (40"L.X1.12"W.) (POLY-VEE)			1									
1A,B	5100366	BELT SET (2 BELTS, 43" L. X .380" W.) (M.S.)				1								
1A	5133175	BELT SET (2 BELTS, 39" L. X .380" W.)					1	1	1			1		
1A,B	5133172	BELT SET (2 BELTS, 43" L. X .380" W.)									1			
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A,B	5109908	STRAP				1								
1A,B	5121070	STRAP												1
1A,B	5137634	STRAP	1								1			
1A,B	5141952	STRAP		1										
1A,B	5143503	STRAP			1									
1A,B	5142645	STRAP					1	1	1			1		

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1562	1563	1567	1570	1572	1577	1579	1581	1585	1592	1600	1601
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
1A	5127678	STRAP								1			1	
	5157412	SPACER, 7/8"X1/4"									1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)				1				1			1	
	186629	BOLT, 5/16"-18X1" (12.9001)												1
	179838	BOLT, 3/8"-16X7/8" (12.9001)												1
	179839	BOLT, 3/8"-16X1" (12.9001)			1		1	2	1	1		1	1	
	186678	BOLT, 3/8"-16X1" (12.9001)		2										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	2											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)									1			
	186627	BOLT, 3/8"-24X1" (12.9001)				1					1			
	5150230	WASHER, 3/8" X 1 3/16" (3.4120)	1	1	1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)				AR				AR			AR	AR
	178551	LOCKWASHER, 3/8" (12.9215)		AR										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)				1					1			
		7.1585 - GUARD, GENERATOR DRIVE												
	5143717	GUARD		1										
	5143380	GUARD			1									
	5121494	# GUARD					1	1	1	1				
	5132556	GUARD										1	1	
	5142842	SPACER, 7/8"X25/64"X3.24" (7.1595)								1			1	
	5139919	SPACER, 7/8"X29/64"X3.08"					1	1	1			1		
	181309	BOLT, 1/4"-28X1/2" (12.9001)		2										
	9418964	BOLT, 3/8"-16X5" (12.9001)								1			1	
	190909	BOLT, 7/16"-14X5" (12.9001)					1	1	1			1		
	120392	WASHER, 9/32"X5/8" (12.9190)		2										
	103319	LOCKWASHER, 1/4" (12.9200)		2										
	103321	LOCKWASHER, 3/8" (12.9200)								1			1	
	103322	LOCKWASHER, 7/16" (12.9200)					1	1	1			1		
	114492	NUT, 1/4"-28 (12.9120)		2										
	102635	NUT, 3/8"-16 (12.9120)								1			1	
	456939	NUT, 7/16"-20 (12.9120)					1	1	1			1		
		# NOT SERVICED; USE 5132556.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5129361	BRACKET			2		2	2	2	1		2	1	1
	5129362	BRACKET			1									
	5129605	SPACER, 13/32"X7/8"X11/16"			1									
	5142841	SPACER, 7/8"X13/32"X1.18"					1	1	1	1		1	1	1
	5126962	SPACER, 3/8" PIPE X 2.76"L.					1	1	1	1		1	1	1
	120628	SCREW, 1/4"-20X1/2" (12.9025)			3					1		1	1	1

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 15562	15563	15567	15570	15572	15577	15579	15581	15585	15592	16000	16001
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)												
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			1									
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)					1	1	1	1		1	1	1
	9418964	BOLT, 3/8"-16X5" (12.9001)					1	1	1	1		1	1	1
	181360	BOLT, 3/8"-24X3/4" (12.9001)			2									
	103341	WASHER, 3/8" (12.9190)			2									
	103319	LOCKWASHER, 1/4" (12.9200)			3									
	103321	LOCKWASHER, 3/8" (12.9200)			AR		AR	AR	AR	AR		AR	AR	AR
	5101265	NUT, 1/4"-28			3		3	3	3	4		1	4	1
	117049	NUT, 3/8"-24 (12.9120)			2									
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A,B	**5135125**	BRACKET				1								
1A,B	**5109097**	# BRACKET			1									
1A,B	**5137707**	BRACKET	1								1			
1A,B	**5143671**	+ BRACKET		1										
1A,B	**5137450**	BRACKET (REAR)			1					1				1
1A,B	**5142647**	BRACKET			1		1	1	1	1		1	1	1
1A,B	**5137450**	BRACKET (RIGHT REAR)					1	1	1			1	1	
1A,B	**5126936**	BRACKET												1
	5126323	SHIM, .012" THICK (4.4115)			1									
	5175705	SPACER, 13/32"X7/8"X1"									3			3
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)			2		2	2	2	2		2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)					2	2	2	2		2	2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												3
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				2								
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)			1		1	1	1	1		1	1	
	189305	BOLT, 3/8"-16X3 1/2" (12.9001)		3										
	179847	BOLT, 3/8"-16X2" (12.9001)											3	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	3								3			3
	5108436	WASHER, 15/32"X15/16"X3/32" (7.1598)					2	2	2	2		2	2	
	103320	LOCKWASHER, 5/16" (12.9200)			AR		AR	AR	AR	AR		AR	AR	
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	178551	LOCKWASHER, 3/8" (12.9215)		3										
		# NOT SERVICED SUPERSEDED BY 5142647 AND 5137450 BRACKETS.												
		+ OBSOLETE.												
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5143719	SPACER		1										
		7.1605 - REGULATOR, VOLTAGE												
	9000590	* REGULATOR, 12V., FULL TRANSFER					1					1		
	1119513	* REGULATOR, 12V., 42 AMP., NEG. GRD.	1								1			
	9000591	* REGULATOR, 24V., 60 AMP., NEG. GRD.			1				1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1562	1563	1567	1570	1572	1577	1579	1581	1585	1592	1600	1601
		7.1605 - REGULATOR, VOLTAGE (CONT'D)												
	5146387	% REGULATOR, 24V., 25 AMP., NEG. GRD.		1										
	1119292	* REGULATOR, 12V., 25 AMP., NEG. GRD.				1				1			1	
	9000593	* REGULATOR, 32V., FULL TRANSFER						1						
	1119285	* REGULATOR, 24V., 18 AMP., POS. GRD. INSUL.												1
	181309	BOLT, 1/4"-28X1/2" (12.9001)	2								2			
	103319	LOCKWASHER, 1/4" (12.9200)	2								2			
	121902	NUT, 1/4"-28 (12.9120)	2								2			
		% OBSOLETE.												
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY ASSY. (12V.)					1					1		
	1115842	* RELAY ASSY. (24V.)			1				1					
	1115843	* RELAY ASSY. (30-32V.)						1						
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5139507	PLATE	1								1			
	5138342	PLATE		1										
	5160629	SPACER, 13/32" X 7/32" (4.2270)		2										
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2								2			
	186678	BOLT, 3/8"-16X1" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)	2								2			
	178551	LOCKWASHER, 3/8" (12.9215)		2										
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)			1		1	1	1			1		
	5179976	SPRING		4										
	178532	LOCKWASHER, 5/16" INT., EXT. TOOTH (12.9200)		10										
		* NOT SERVICED BY DDA.												
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	2985054	WIRE ASSY., 60"L.										1		
	2985057	WIRE ASSY. (RED, 60"L.)			1				1					
	5127693	WIRE ASSY.		1										
	2985055	WIRE ASSY., 60"L.					1							
	5653562	+ SWITCH, FUEL PRESSURE (7.4598) (5100677)	1								1			
	2977373	SLEEVE, INSULATOR (7.7001)	1								1			
	2977607	SLEEVE, INSULATOR (7.7001)	1								1			
	5187908	STRAP, GROUND		1										
	5155464	BRACKET (7.1582)		1										

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 1562	1563	1567	1570	1572	1577	1579	1581	1585	1592	1600	1601
	7.1630 - WIRE ASSY., GENERATOR TO REGULATOR (CONT'D)												
5165244	CLIP, 7/8" (4.8040)		1										
2965142	TERMINAL, #14 OR #16 CABLE (7.7001)	5								5			
444148	TEE, 1/4"-18 INV. FL. (12.9490)								1				
5127510	TEE, 1/4"X5/8"-14 INV. FL. (12.9490)									1			
112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)	1								1			
181595	BOLT, 5/16"-24X3/4" (12.9001)		1										
179835	BOLT, 3/8"-16X5/8" (12.9001)		1										
178532	LOCKWASHER, 5/16" (12.9215)		1										
178551	LOCKWASHER, 3/8" (12.9215)		1										
114493	NUT, 5/16"-24 (12.9120)		1										
123321	NUT, 3/8"-16 (12.9120)		1										

+ NOT SERVICED, USE PART NUMBER IN PARENTHESIS.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16268	16288	16365	16482	16893	17112	17211	17222	17225	17266	17311	17334
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.												
1A	**1117495**	@ GENERATOR (24V., 25 AMP., C.W., GRD)				1								
1A	**5102887**	GENERATOR (24V., 18 AMP., C.W., GRD)					1						1	
1A	**1100711**	* GENERATOR (12V., 42 AMP., C.W./ C.C.W., NEGATIVE GROUND)						1	1			1		
	5146719	# GENERATOR (28V., 60 AMP., C.W./ C.C.W.)												1
1B	**1117059**	* ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)	1											
1A	**1117077**	* ALTERNATOR (12V., 60 AMP., C.C.W., NEGATIVE GROUND)		1										
1A	**1117781**	* ALTERNATOR (12V., 62 AMP., C.W./ C.C.W.)			1									
1A	**1117070**	* ALTERNATOR (12V., 60 AMP., C.W., NEGATIVE GROUND)								1				
1B	**1117784**	* ALTERNATOR (24V., 45 AMP., C.W./ C.C.W., NEGATIVE GROUND)									1			
	5137947	BUSHING, (7.1595)						1	1			1		
	5164294	SPACER, 1/8" THICK (7.1581)						2	2			2		
	5182628	SPACER, 5/32" (12.4065)					1							
	5125294	SPACER, 1 1/4"O.D.X.50" (7.1503)					1						1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					2			1		2		
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)	1											
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)								1				
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)	1											
	186312	BOLT, 3/8"-24X4" (12.9001)							1		1			
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)											1	
	180150	BOLT, 7/16"-14X1 5/8" (12.9001)												2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				2								
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)									2			
	454939	BOLT, 7/16"-14X4" (12.9001)											1	
	5164360	WASHER, 15/32"X15/16"X5/32" (6.1001)											1	
	103341	WASHER, 3/8" (12.9190)	1											
	5132147	WASHER, 13/32"X1.06"X.20" (3.4030)	4											
	106263	WASHER, 7/16" (12.9190)								1				
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)				1								
	5137275	WASHER, .68" X 1.00" X .12" (1.2030)											1	
	5131913	WASHER, 13/16"X29/64"X5/32" (3.4001)				2					2			2
	103321	LOCKWASHER, 3/8" (12.9200)	AR								AR			
	178551	LOCKWASHER, 3/8" (12.9215)					2							
	178571	LOCKWASHER, 7/16" (12.9215)				2							2	
	103322	LOCKWASHER, 7/16" (12.9200)									2			
	120383	LOCKWASHER, 7/16" (12.9200)												2
	103026	NUT, 3/8"-24 (12.9120)						1	1		1			
	271500	NUT, 7/16"-14 (12.9120)									2			

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 16262	16288	16335	16422	16693	17112	17221	17222	17225	17226	17331	17334
	7.1001 - GENERATOR ASSY. (CONT'D)												
	# SERVICED AS ASSY.; FOR COMPONENTS CONTACT LEECE NEVILLE CORP. FURNISH THEIR ASSY. NUMBER A001-3002AD. NOTE: GENERATOR INCLUDES SELF-RETIFIED BUILT-IN REGULATOR.												
	@ NOT SERVICED; USE 5146719 GENERATOR PLUS 1-5109949 WASHER. 5146719 GENERATOR IS SERVICED AS AN ASSY., FOR COMPONENTS CONTACT PRESTOLITE COMPANY AND FURNISH THEIR ASSY. NUMBER GHA-4804-UTS.												
	* NOT SERVICED BY DDA.												
	7.1005 - SHIELD, GENERATOR												
5129294	SHIELD, HEAT	1											
5143583	SHIELD, HEAT				1								
5143582	BRACKET				1								
180120	BOLT, 3/8"-16X3/4" (12.9001)				1								
178551	LOCKWASHER, 3/8" (12.9200)				1								
123221	NUT, 3/8"-16 (12.9120)				1								
	7.1440 - FAN, GENERATOR												
5104705	FAN (INCLUDES BAFFLE)					1						1	
1970765	* FAN (INCLUDES BAFFLE)						1				1		
1959703	* FAN (INCLUDES BAFFLE)							1					
1A **1952955**	* BAFFLE ASSY.	1											
	* NOT SERVICED BY DDA.												
	7.1500 - PULLEY, GENERATOR												
1A,B **5133563**	PULLEY, 2.76" DIA., 2 GROOVES	1		1						1			
1A **5132527**	PULLEY, 2.76" DIA., 2 GROOVES		1				1	1	1		1		
1A **5138442**	PULLEY, 3.26" DIA., 2 GROOVES				1								
1A **5121246**	PULLEY, 3.76" DIA., 2 GROOVES					1						1	
1A **5136692**	PULLEY, 2.76" DIA., 2 GROOVES												1
	7.1575 - BELT, GENERATOR DRIVE												
1A **5148276**	BELT SET (2 BELTS, 29"L.X.380"W.)												1
1A **5135472**	BELT SET (2 BELTS, 32"L.X.380"W.)					1							
1A **5133180**	BELT SET (2 BELTS, 34"L.X.380"W.) (1.3320)						1						
1B **5133177**	BELT SET (2 BELTS, 37"L.X.380"W.)									1			
1B **5133174**	BELT SET (2 BELTS, 40"L.X.380"W.)	1							1				
1A **5133601**	BELT SET (2 BELTS, 41"L.X.380"W.)		1										
1A **5133173**	BELT SET (2 BELTS, 42"L.X.380"W.)							1			1		
5100366	BELT SET (2 BELTS, 43"L.X.380"W.)											1	
1A **5137635**	BELT SET (2 BELTS, 44"L.X.380"W.) (1.3320)			1									
1A **5136878**	BELT SET (2 BELTS, 44"L.X.380"W.)				1								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16026	16028	16035	16042	16093	17012	17021	17022	17025	17026	17031	17034
		7.1580 - STRAP, GENERATOR ADJUSTING												
1B	5129112	STRAP	1											
1A	5121070	STRAP		1			1	1						
1A	5137634	STRAP			1									
1A	5133980	STRAP				1								
1A	5137948	STRAP							1			1		
1A	5116686	STRAP								1				
1B	5131768	STRAP									1			
1A	5147039	STRAP											1	
1A	5147006	STRAP												1
	5164294	SPACER, 1/8" THICK (7.1581)						1	1			1		
	5157412	SPACER, 1/4" THICK (7.4013)			1									
	5182628	SPACER, 13/32"X3/4"X5/32" (12.4065)										1		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						1	1			1		
	180120	BOLT, 3/8"-16X3/4" (12.9001)	1				1						1	
	454813	BOLT, 3/8"-16X7/8" (12.9001)		1						1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)												1
	186678	BOLT, 3/8"-16X1" (CAD.) (12.9001)				2	1	2	1		1	1		
	179839	BOLT, 3/8"-16X1" (12.9001)											1	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	1	2					1	2			1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)												
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1									
	186627	BOLT, 3/8"-24X1" (12.9001)			1									
	5150230	WASHER, 3/8" X 1 3/16" (3.4120)	1	1	1	1				1				
	5152148	WASHER, 3/8" (COPPER) (2.4050)	1											
	5159080	WASHER, 3/4"X.078" (2.7260)				1								
	103341	WASHER, 3/8" (12.9190)					AR						AR	
	5132147	WASHER, 13/32"X7/64"X5/32" (3.4030)									1			1
	103320	LOCKWASHER, 5/16" (12.9200)						AR	AR		AR			
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR			AR	AR	AR	AR			
	178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH (12.9215)				2	2							4
	120382	LOCKWASHER, 3/8" (12.9200)												1
	117049	NUT, 3/8"-24 (12.9120)			1									
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5135420	+ GUARD	1											
	5108991	GUARD											1	
		+ OBSOLETE.												
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5139361	BRACKET	2											
	5129362	BRACKET	1											
	5147104	BRACKET											1	

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7.1000A BATTERY CHARGING GENERATOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 16268	16288	16365	16422	16693	17122	17221	17225	17226	17331	17334
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD (CONT'D)											
	5177000	SPACER, 3/4" DIA. X .800" L. (7.1598)	1										
	5101265	RETAINER, SCREW (7.1585)	3									1	
	120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)	3									1	
	179839	BOLT, 3/8"-16 X 1" (12.9001)										1	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	1										
	186627	BOLT, 3/8"-24X1" (12.9001)	2										
	120392	WASHER, 9/32" (12.9190)	3									1	
	103341	WASHER, 3/8" (12.9190)	1									2	
	103321	LOCKWASHER, 3/8" (12.9200)	2									1	
	117049	NUT, 3/8"-24 (12.9120)	2										
	123221	NUT, 3/8"-16 (12.9120)										1	
		7.1595 - BRACKET, GENERATOR MOUNTING											
1B	**5142647**	BRACKET (FRONT)	1										
1B	**5137450**	BRACKET (REAR)	1										
1A	**5126936**	BRACKET		1			1		1				
1A	**5137708**	BRACKET			1								
1A	**5136712**	BRACKET				1						1	
1A	**5137975**	BRACKET						1					
1A	**5142137**	BRACKET							1		1		
1B	**5147458**	BRACKET								1			
	5147007	BRACKET											1
	5143584	PLATE (7.1596)				1							
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)			3				3		3		
	5108436	SPACER, 15/32"X15/16"X5/32" (7.1598)	2										
	5125323	SHIM, .012" THICK (4.4115)	AR										
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)	2										
	179839	BOLT, 3/8"-16X1" (12.9001)	2								3		
	186678	BOLT, 3/8"-16X1" CAD. (12.9001)										3	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					3						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		4					4				
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)	1										3
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		1									
	179847	BOLT, 3/8"-16X2" (12.9001)				3							
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			3				3		3		
	179850	BOLT, 3/8"-16X2 1/4" (12.9001)						3					
	181675	BOLT, 7/16"-20X2 1/4" (12.9001)			2								
	106263	WASHER, 7/16" (12.9190)		1									
	103342	WASHER, 7/16" (12.9190)			2								
	103320	LOCKWASHER, 5/16" (12.9200)	AR										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR				AR	AR	AR	AR	
	178551	LOCKWASHER, 3/8" (12.9215)				AR	AR						AR
	103322	LOCKWASHER, 7/16" (12.9200)			AR								

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 16262	16288	16335	16424	16933	17112	17221	17222	17225	17226	17331	17334
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	127855	NUT, 7/16"-20 (12.9120)			2									
		7.1605 - REGULATOR, VOLTAGE												
	9000590	* REGULATOR (12V.)	1	1	1						1			
	5146387	% REGULATOR (24V.)				1								
	5102888	REGULATOR (24V.)					1						1	
	1119513	* REGULATOR (12V.)								1		1		
	9000591	* REGULATOR (24V.)									1			
	100004	BOLT, 1/4"-28X1/2" (12.9001)		4										
	179835	BOLT, 3/8"-16X5/8" (12.9001)								2				
	120380	LOCKWASHER, 1/4" (12.9200)		4										
	103321	LOCKWASHER, 5/8" (12.9200)								2				
	121902	NUT, 1/4" (12.9120)		4										
		% OBSOLETE.												
		* NOT SERVICED BY DDA.												
		7.1607 - CUTOUT ASSY., GENERATOR VOLTAGE REGULATOR												
	1115841	* RELAY ASSY. (12V.)	1	1	1									
	1115842	* RELAY ASSY. (24V.)									1			
	123450	BOLT, 1/4"-28X1/2" (12.9001)		1										
	120380	LOCKWASHER, 1/4" (12.9200)		1										
	121902	NUT, 1/4"-28 (12.9120)		1										
		* NOT SERVICED BY DDA.												
		7.1610 - PLATE, VOLTAGE REGULATOR MOUNTING												
	5138342	PLATE				1								
	5145587	BRACKET (7.1606)		1										
	5139507	BRACKET							1	1		1		
	5160629	SPACER, 13/32" X 7/32" (4.2270)				2								
	181309	BOLT, 1/4"-28X1/2" (12.9001)							2			2		
	179835	BOLT, 3/8"-16X5/8" (12.9001)										2		
	180120	BOLT, 3/8"-16X3/4" (12.9001)		2										
	186678	BOLT, 3/8"-16X1" (12.9001)				2								
	103319	LOCKWASHER, 1/4" (12.9200)							2			2		
	103321	LOCKWASHER, 3/8" (12.9200)		2								2		
	178551	LOCKWASHER, 3/8" (12.9200)				2	4							
	121902	NUT, 1/4"-28 (12.9120)							2			2		
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR												
	1910966	* MOUNTING ASSY. (SHOCK)	1	1	1					1	1			
	5179976	MOUNTING ASSY. (SPRING)				4	4						4	
	178532	LOCKWASHER, 5/16" (12.9200)				10	10						10	
		* NOT SERVICED BY DDA.												

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 16266	16628	16635	16642	16693	17112	17221	17222	17225	17226	17311	17334
	7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
2985054	WIRE ASSY. (BLACK)	1		1					1				
2985057	WIRE ASSY.									1			
5653562	+ SWITCH (RESTRICTED) (7.4598) (5100677)		1	1				1		1			
1507359	+ SWITCH (5# MAKE) (7.4598) (5100673)										1		
5187908	STRAP				1								
5125860	% CONDUIT ASSY.				1								
5134376	% CONDUIT ASSY.					1				1			
5291614	PLUG, WIRING HARNESS (7.7001)									1			
5293232	GROMMET, WIRING HARNESS (7.7001)									1			
5127510	TEE, 1/4"X5/8"-14 INV. FL. (12.9490)		1					1			1		
112877	BUSHING, 1/4"X1/8" RED.			1				1		1			
2977373	CONNECTOR, TERMINAL (GEN. END) (7.7001)							1					
2977607	CONNECTOR, TERMINAL (REG. END) (7.7001)							1					
2965142	TERMINAL (LOCK-TYPE) (#14 & #16 CABLE) (7.7001)							1					
5291616	NUT, WIRING HARNESS PLUG (7.7001)									1			

% OBSOLETE.
+ NOT SERVICED, USE PART NUMBER IN PARENTHESIS.

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17355	17668	17669	17670	17671	17672	17673	17674	17675	17676	17677
		7.1001 - GENERATOR ASSY.											
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC MOUNTING BRACKETS AND HARDWARE.											
1A	5102887	GENERATOR (24V., 18 AMP., C.W., GRD)	1										
1A	1117242	* ALTERNATOR (12V., 75 AMP., C.W./C.C.W., NEGATIVE GROUND)		1	1	1							
1A	1102940	* # GENERATOR (12V., 42 AMP., C.W./C.C.W., NEGATIVE GROUND)					1	1	1	1		1	1
1A	1100499	* % ALTERNATOR (12V., 20 AMP., C.W./C.C.W., NEGATIVE GROUND)									1		
	5182628	SPACER, 5/32" (12.4065)	1										
	5125294	SPACER, 1 1/4"O.D.X.50" (7.1503)	1										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2				1	1	1	1	1	1	1
	455537	BOLT, 3/8"-16X4" (12.9001)		1	1	1							
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)		2	2	2							
	5132715	WASHER, SPECIAL (1.3140)					2	2	2	2	2	2	2
	5131433	WASHER, SPECIAL (1.5001)					AR	AR	AR	AR	AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)		1	1	1							
	103323	LOCKWASHER, 1/2" (12.9200)					1	1	1	1	1	1	1
	102635	NUT, 3/8"-16 (12.9120)		1	1	1							
	102637	NUT, 1/2"-13 (12.9120)											
		# NOT SERVICED, SUPERSEDED BY 1103131 (METRIC).											
		% NOT SERVICED, SUPERSEDED BY 1100092 (METRIC).											
		* NOT SERVICED BY DDA.											
		7.1440 - FAN, GENERATOR											
1A	5104705	FAN (INCLUDES BAFFLE)	1				1	1	1	1	1	1	1
	1970765	* FAN (INCLUDES BAFFLE)											
		* NOT SERVICED BY DDA.											
		7.1500 - PULLEY, GENERATOR											
1A	5132527	PULLEY, 2.76" DIA., 2 GROOVES					1	1	1	1	1	1	1
1A	5121246	PULLEY, 3.76" DIA., 2 GROOVES	1										
1A	5148796	PULLEY, 2.76" DIA., 2 GROOVES		1	1	1							
		7.1575 - BELT, GENERATOR DRIVE											
1A	5135472	BELT SET (2 BELTS, 32"L.X.380"W.)	1				1	1	1	1	1	1	1
1A	5133173	BELT SET (2 BELTS, 42"L.X.380"W.)											
1B	5133172	BELT SET (2 BELTS, 43"L.X.380"W.)		1	1	1							
		7.1580 - STRAP, GENERATOR ADJUSTING											
1A	5121070	STRAP	1										
1B	5148287	STRAP		1		1							
1B	5148223	STRAP			1								
1B	5148773	+ STRAP					1		1		1		1
1B	5148586	+ STRAP						1		1		1	
	5157412	SPACER, 1/4" THICK (7.4013)					1	1	1	1	1	1	
	5121403	SPACER, 3/16" THICK (3.4080)					1	1	1	1	1	1	1

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 17735	17768	17769	17770	17771	17772	17773	17774	17775	17776	17777
	7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)											
5117082	SPACER, .164" THICK (3.4103)		1	1	1							
186624	BOLT, 5/16"-18X1 1/4" (12.9001)					1	1	1	1	1		1
179819	BOLT, 5/16"-18X1 1/8" (12.9001)				1	1	1	1	1	1	1	1
180120	BOLT, 3/8"-16X3/4" (12.9001)	1										
179839	BOLT, 3/8"-16X1" (12.9001)	1										
186619	BOLT, 3/8"-16X1 1/8" (12.9001)				1							
186679	BOLT, 3/8"-16X1 1/4" (12.9001)		1	1		1	1			1	1	
186622	BOLT, 3/8"-16X1 1/4" (12.9001)											1
186628	BOLT, 3/8"-16X1 1/2" (12.9001)							1	1			
442733	BOLT, 1/2"-13X1 1/4" (12.9001)		1	1	1							
103341	WASHER, 3/8" (12.9190)	AR	AR	AR				AR	AR			
103320	LOCKWASHER, 5/16" (12.9200)					AR	AR	AR	AR	AR	AR	AR
103321	LOCKWASHER, 3/8" (12.9200)		AR	AR		AR	AR	AR	AR	AR	AR	AR
178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH (12.9215)	2										
103322	LOCKWASHER, 7/16" (12.9200)				1							
103323	LOCKWASHER, 1/2" (12.9200)		1	1	1							
102635	NUT, 3/8"-16 (12.9120)		1	1	1							
	+ NOT SERVICED, USE 5102731 STRAP AND 5102729 BRACKET.											
	7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
5148777	GUARD		1									
5148778	GUARD			1								
5148781	GUARD					1						
5148782	GUARD						1					
5148779	GUARD							1				
5148780	GUARD								1			
	7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
5148754	BRACKET		1	1								
5148753	BRACKET		1	1								
5148755	BRACKET					1	1	2	2			
5126113	BRACKET					1	1					
5177469	SPACER, 1 3/16" THICK						1					
120628	SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9025)		2	2								
125680	SCREW, 1/4"-20X5/8" (12.9030)					3	3	2	2			
120392	WASHER, 1/4" (12.9190)		AR	AR								
5101265	NUT, 1/4"-20 U (W/RETAINER)		2	2		3	3	2	2			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17735	17768	17769	17770	17771	17772	17773	17774	17775	17776	17777
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	5126936	BRACKET	1										
1A	5102003	BRACKET		1		1							
1A	5102004	BRACKET			1								
1A	5102005	BRACKET					1		1		1		1
1A	5102002	BRACKET						1		1		1	
	5137947	BUSHING					1	1	1	1	1	1	1
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	3										
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		3	3	3	3	3	3	3	3		
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)										3	
	179850	BOLT, 3/8"-16X3 1/4" (12.9001)										3	
	5132147	WASHER, .40" ID. X .20" (3.4030)										3	
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	178551	LOCKWASHER, 3/8" (12.9215)	AR										
		7.1605 - REGULATOR, VOLTAGE											
	5102888	REGULATOR (24V.)	1										
	178551	LOCKWASHER, 3/8" INT.-EXT. TOOTH (12.9215)	4										
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR											
	5179976	MOUNTING ASSY. (SPRING)	4										
	178532	LOCKWASHER, 5/16" (12.9215)	10										
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR											
	5100420	WIRE ASSY. (INCLUDES RECTIFIER)					1	1	1	1	1	1	1
	5134376	+ CONDUIT ASSY.	1				1	1	1	1	1		1
	106498	LOCKWASHER, #12 (12.9200)					1	1	1	1	1		1
	103089	NUT, 12-24 (12.9120)											

+ OBSOLETE.

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7.1000A BATTERY CHARGING GENERATOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1778	1779	1780	1781	1783	1794	1797	1857	1858	1859	1860	1861	1862
		7.1001 - GENERATOR ASSY.													
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC MOUNTING BRACKETS AND HARDWARE.													
1B	**1102940**	* % GENERATOR, 12V. 42 AMP. CW/CCW.	1	1	1	1	1			1			1	1	
1A	**5134421**	ALTERNATOR,28.5V. 70AMP. CW/CCW.						1							
1A	**1102288**	* ALTERNATOR, 12V. 25AMP CCW.							1						
1A	**1100081**	* ALTERNATOR, 12V. 65 AMP. CW/CCW.									1				1
1A	**1100077**	* ALTERNATOR, 24V. 65 AMP. CW/CCW.										1			
	186612	BOLT, 3/8-16 X 1 3/8" (12.9001)							1						
	186628	BOLT, 3/8-16 X 1 1/2" (12.9001)							1						
	455537	BOLT, 3/8"-16X4" (12.9001)	1	1	1	1	1								
	186312	BOLT, 3/8-24 X 4" (12.9001)								1				1	
	9421889	BOLT, 3/8-24 X 7" (12.9001)											1		
	122408	BOLT, 1/2"-13X1" (12.9001)						4							
	9427945	BOLT, 1/2"-13 X 6 1/4" (12.9001)									1	1			1
	5131433	WASHER, SPECIAL (1.5001)	1	1	2	1	2								
	5132715	WASHER, 1/2" SPECIAL (1.3140)								3	3				2
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1		2	1			1	1	
	103323	LOCKWASHER, 1/2" (12.9200)										1			1
	178591	LOCKWASHER, 1/2" (12.9220)						8							
	102635	NUT, 3/8"-16 (12.9120)	1	1	1	1	1		2						
	103026	NUT, 3/8-24 (12.9120)								1			1	1	
	102637	NUT, 1/2-13 (12.9120)									1	1			1
		% NOT SERVICED, SUPERSEDED BY 1103131 (METRIC).													
		* NOT SERVICED BY DDA.													
		7.1005 - SHIELD, GENERATOR													
	5148767	SHIELD, HEAT (R.H.)		1		1									
	5148599	SHIELD, HEAT (L.H.)			1										
	5131201	BRACKET (7.1587)		1	1	1									
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1	1	1									
	120393	WASHER, 5/16" (12.9190)		2	2	2									
	103320	LOCKWASHER, 5/16" (12.9200)		1	1	1									
	120376	NUT, 5/16 -18 (12.9120)		1	1	1									
		7.1440 - FAN, GENERATOR													
	1970765	* FAN (INCLUDES BAFFLE)	1	1	1	1	1						1	1	
	1959703	* FAN (INCLUDES BAFFLE)								1					
	1866400	* FAN							1						
		* NOT SERVICED BY DDA.													
		7.1470 - BAFFLE, GENERATOR FAN													
	1877887	* BAFFLE							1						
		* NOT SERVICED BY DDA.													
		7.1500 - PULLEY, GENERATOR													
1B	**5132527**	PULLEY, 2.76" DIA. 2 GRV.	1	1	1	1	1		1	1			1	1	
1B	**5136646**	+ PULLEY, 3.80" DIA., 9 POLY-VEE GRV.						1							
1B	**5148796**	PULLEY, 2.76" DIA. 2 GRV.									1	1			1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1778	1779	1780	1781	1783	1794	1797	1857	1858	1859	1860	1861	1862
		7.1500 - PULLEY, GENERATOR (CONT'D)													
	186601	BOLT, 1/4"-20X1 1/4" (12.9001)						4							
	120423	LOCKWASHER, 1/4" INT. EXT. TOOTH (12.9220)						4							
		+ OBSOLETE.													
		7.1575 - BELT, GENERATOR DRIVE													
1B	5133173	BELT SET (2 BELTS 42" L X.380W.)	1												
1B	5133172	BELT SET (2 BELTS, 43"L.X.380"W.)		1	1										
1B	5181329	BELT SET (2 BELTS, 32"L.X.380"W.)				1	1								
1B	5136903	BELT (49"L.X1.26"W.) (9 RIB)						1							
1B	5133177	BELT SET (2 BELTS 27" L X .380 W.)							1	1					
1B	5133175	BELT SET (2 BELTS 39" L X .380 W.)									1	1	1	1	
1B	5133601	BELT SET (2 BELTS 41" L X .380 W.)													1
		7.1580 - STRAP, GENERATOR ADJUSTING													
1B	5148774	+ STRAP			1	1									
1B	5148586	+ STRAP	1												
1B	5148773	+ STRAP		1			1								
1B	5127678	STRAP							1						
1B	5102078	STRAP								1					
1B	5102065	STRAP									1	1			
1B	5102125	STRAP											1	1	
1B	5102070	STRAP													1
	5136648	BRACKET						1							
	5136647	BRACKET						1							
	186625	BOLT,5/16 -18 X7/8 (12.9001)							1	1	1	1	1	1	1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)	1	1	1	1				1			1	1	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	1	1	1	1	1								
	179839	BOLT, 3/8"-18 X 1" (12.9001)							1	1			1	1	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1	1	1	1	1								
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)								1					
	9418964	BOLT, 3/8"-16 X 5" (12.9001)													1
	442733	BOLT, 1/2"-13 X 1 1/4" (12.9001)									1	1			1
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)									1	1			
	179886	BOLT, 1/2"-13 X 1 5/8" (12.9001)									1	1			
	428211	BOLT, 5/8"-11X1 1/4" (12.9001)						4							
	5121403	WASHER, SPECIAL (3.4080)					1								
	5150230	WASHER, 3/8" ID. X 1 3/16" (3.4120)							1						
	5109949	WASHER, 17/32" ID. X 1 3/16" (5.4025)									1				1
	103341	WASHER, 3/8" (12.9190)	1	1	1	1	1								
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1		1	1			1	1	
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1		1	1			1	1	1
	103323	LOCKWASHER, 1/2" (12.9200)									2	2			1
	178627	LOCKWASHER, 5/8" (12.9215)						8							
	102635	NUT, 3/8"-16 (12.9120)								1					
	102637	NUT, 1/2"-13 (12.9120)									1	1			
		+ NOT SERVICED, USE 5102731 STRAP AND 5102729 BRACKET.													

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7.1000A BATTERY CHARGING GENERATOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 17778	17779	17780	17781	17783	17794	17797	18557	18588	18589	18600	18601	18602
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP													
	5121403	SPACER, 21/64" ID X 3/16" L. (3.4080)	1	1	1	1									
	5164294	SPACER, 13/32" ID X 1/8" L.								1			1	1	
	5174297	SPACER, 1/2" ID X 1 3/4" L. (7.4035)													1
	5117082	SPACER, 1/2" ID X .164" L.									1	2			1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP													
	5102058	BRACKET									1	1			
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)									1	1			
	179844	BOLT, 3/8"-16 X 1 5/8" (12.9001)									1	1			
	114926	BOLT, 3/8"-16 X 4 1/4" (12.9001)									2	2			
	103321	LOCKWASHER, 3/8 (12.9200)									1	1			
	102635	NUT, 3/8"-16 (12.9120)									1	1			
	5196119	SPACER, 13/32" X 7/8" (7.4025)									1				
	5157412	SPACER, 13/32" X 1/4" (7.4013)										1			
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY													
	5136651	GUARD						1							
	5132556	GUARD											1		
	5102069	GUARD													1
	5183187	+ SPACER, 1/4" X 4" L.						1							
	186676	BOLT, 1/4"-20 X 5/8" (12.9001)													2
	186629	BOLT, 5/16"-18 X 1" (12.9001)													1
	189299	BOLT, 5/16"-18X4 1/2" (12.9001)						1							
	186227	BOLT, 3/8"-16 X 2 3/8" (12.9001)													1
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)											1		
	9418964	BOLT, 3/8"-16 X 5" (12.9001)											1		
	120628	SCREW, 1/4"-20 X 1/2" (12.9025)											1		
	120392	WASHER, 1/4" (12.9190)													2
	103319	LOCKWASHER, 1/4" (12.9200)													2
	103320	LOCKWASHER, 5/16" (12.9200)													1
	103321	LOCKWASHER, 3/8" (12.9200)											1		1
	5101265	NUT, 1/4"-20 CLIP											1		2
	120376	NUT, 5/16"-18 (12.9120)													1

+ OBSOLETE

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1778	1779	1780	1781	1783	1794	1797	1857	1858	1859	1860	1861	1862
		7.1587 - BRACKET GENERATOR DRIVE BELT AND PULLEY GUARD													
	5102197	BRACKET													1
	5102198	BRACKET													1
	5129361	BRACKET											1		
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD													
	5126962	SPACER, 3/8" ID. X 2.76" L.											1		
	5142841	SPACER, 7/8" ID. X 1.18" L.											1		
	5147868	SPACER, 7/8" ID. X 2.66" L.											1		
		7.1595 - BRACKET, GENERATOR MOUNTING													
1B	5102002	BRACKET (L.H.)	1		1										
1B	5102005	BRACKET (R.H.)		1		1	1								
1B	5136649	BRACKET						1							
1B	5137450	BRACKET, REAR							1						
1B	5142647	BRACKET, FRONT							1						
1B	5102135	BRACKET								1					
1B	5102073	BRACKET									1	1			
1B	5102124	BRACKET											1	1	
1B	5102071	BRACKET													1
	5137947	BUSHING	1	1	1	1	1								
	5136821	SHIM, .002" THICK						1							1
	5136906	SHIM, .005" THICK						1							1
	5148840	SPACER, 1.06" THICK		1	1	1									
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)						6							
	179823	BOLT, 5/16"-18X1 5/8" (12.9001)							2				2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)							2	3	3	3			2
	186624	BOLT, 3/8"-16 X 1 1/4" (12.9001)													2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						3							
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	3				3		1				1	1	
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)													
	9414215	BOLT, 3/8"-16X2 1/2" (12.9001)		3	3	3									
	179850	BOLT, 3/8"-16 X2 3/4" (12.9001)	3	3	3				2				2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)													
	178532	LOCKWASHER, 5/16" INT. EXT. TOOTH (12.9215)						6							
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3		3		3		2		1	1	2
	178551	LOCKWASHER, 3/8" INT. EXT. TOOTH (12.9215)						3							
	5152148	WASHER, 3/8 COPPER (2.4050)								1					
		7.1605 - REGULATOR, VOLTAGE													
	5134422	REGULATOR						1							
	1119292	* REGULATOR,12V.25AMP NEG GRD							1						

* NOT SERVICED BY DDA.

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7.1000A BATTERY CHARGING GENERATOR

MFG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1778	1779	1780	1781	1783	1794	1797	1857	1858	1859	1860	1861	1862
		7.1612 - MOUNTING ASSY., VOLTAGE REGULATOR													
	5179976	MOUNTING ASSY. (SPRING)						4							
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR													
	5100420	WIRE ASSY. (INCLUDES RECTIFIER)	1	1	1	1	1			1			1	1	
	5137250	WIRE ASSY.					1	1							
	106498	LOCKWASHER, #12 (12.9200)	1	1	1	1				1			1	1	
	103089	NUT, 12-24 (12.9120)	1	1	1	1	1			1			1	1	

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1863	1865	1866	1904	1914	1928	1931	1932	1934	1941	1946	1954
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC MOUNTING BRACKETS AND HARDWARE.												
1A	**1102940**	* % GENERATOR, 12V. 42 AMP. CW/CCW			1	1				1				
1A	**1100077**	* ALTERNATOR, 24V. 65AMP CW/CCW	1											1
1A	**1102918**	* # ALTERNATOR, 24V. 40 AMP. CCW		1				1			1			
1A	**8923597**	GENERATOR, 14V, 75 AMP., CW/CCW							1					
1A	**5105026**	+ ALTERNATOR, 12V. 42 AMP. CW/CCW											1	
1A	**NPN**	ALTERNATOR, CUSTOMER FURNISHED					1					1		
	5137947	BUSHING, GEN BRACKET (7.1595)		1							1			
	5164294	SPACER, 7/8" X 1/8" L. (7.1581)		2							2			
	5132715	WASHER, 1/2" SPECIAL (1.3140)	2									3		2
	5131433	WASHER, .41" I.D. X .134" SPECIAL (1.5001)			2	2		2	8	2				
	179847	BOLT, 3/8"-16X2" (12.9001)							1					
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							3					
	455537	BOLT, 3/8"-16 X 4" (12.9001)			1	1		1		1			2	
	186312	BOLT, 3/8"-24 X 4" (12.9001)		1							1			
	9427945	BOLT, 1/2"-13 X 6 1/4" (12.9001)	1									1		1
	9437419	BOLT, 3/8"-16X7" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)		1	1	1		1	8	1	1		1	
	103323	LOCKWASHER, 1/2" (12.9200)	1									1		1
	102635	NUT, 3/8"-16 (12.9120)			1	1		1		1			1	
	103026	NUT, 3/8"-24 (12.9120)		1							1			
	102637	NUT, 1/2"-13 (12.9120)	1									1		1
		+ NOT SERVICED, PROCURE FROM ARNO CORP. IN BRAZIL.												
		% NOT SERVICED, SUPERSEDED BY 1103131 (METRIC).												
		# NOT SERVICED, SUPERSEDED BY 1103123 (METRIC).												
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR												
	5148770	SHIELD, HEAT (R.H.)											1	
	5148599	SHIELD, HEAT (L.H.)											1	
	5148767	SHIELD, HEAT											1	
	5131201	BRACKET (7.1587)											2	
	5137329	BRACKET (90 DEG.)											1	
	179816	BOLT, 5/16"-18 X3/4" (12.91001)											1	
	120393	WASHER, 5/16" (12.9190)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	120376	NUT, 5/16"-18 (12.9120)												
		7.1508 - GASKET, GENERATOR DRIVE												
	5103476	GASKET							1					
		7.1511 - HUB, FLANGED MOUNTED ALTERNATOR DRIVE												
	5148881	HUB							1					

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 18636	18655	18666	19044	19144	19288	19331	19332	19334	19441	19466	19544
		7.1515 - SEAL, GENERATOR DRIVE OIL												
	5139505	SEAL (7.1516)							1					
		7.1560 - COUPLING, GENERATOR DRIVE												
	5139545	COUPLING (1.7635)							1					
		7.1440 - FAN, GENERATOR												
	1970765	* FAN, (INCLUDES BAFFLE)			1			1		1	1			
	1959703	* FAN, (INCLUDES BAFFLE)		1		1							1	
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5148796	PULLEY, 2.76" DIA. 2 GRV.	1									1		1
1A	5132527	PULLEY, 2.76" DIA. 2 GRV.		1	1	1	1	1		1	1		1	
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	5133174	BELT SET, 2 BELTS 40" L X .380 W, COGGED								1				

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1863	1865	1866	1904	1914	1928	1931	1932	1934	1941	1946	1954
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)												
1A	**5133601**	BELT SET (2 BELTS 41" L X .380" W.)	1											1
1A	**5181329**	BELT SET (2 BELTS 32" L X .380" W.)				1								
1A	**5133177**	BELT SET (2 BELTS 37" L X .380" W.)		1			1							
1A	**5133173**	BELT SET (2 BELTS 42" L X .380" W.)			1			1						
1A	**5133175**	BELT SET (2 BELTS 39" L X .380" W.)									1			
1A	**5133172**	BELT SET (2 BELTS 43" L X .380" W.)											1	
1A	**5132591**	BELT SET (2 BELTS 46" L X .380" W.)												
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5102070**	STRAP	1											1
1A	**5148586**	+ STRAP				1								
1A	**5103769**	STRAP								1				
1A	**5148583**	+ STRAP			1									
1A	**5148773**	+ STRAP						1					1	
1A	**5102125**	STRAP									1			
1A	**5102065**	STRAP										1		
1A	**5148584**	+ STRAP												
1A	**5148774**	+ STRAP												
1A	**5102078**	STRAP		1			1							
	179819	BOLT, 5/16"-18 X 1 1/8" (12.91001)		1	1	1	1	1			1		1	
	186625	BOLT, 5/16"-18X7/8" (12.9001)						1						
	186624	BOLT, 5/16"-18 X1 1/4" (12.9001)								1				
	179839	BOLT, 3/8"-16 X 1" (12.91001)									1			
	186622	BOLT, 3/8"-16X1 1/4" (12.91001)			1			1						
	186619	BOLT, 3/8"-16 X1 1/8" (12.9001)								1				
	186612	BOLT, 3/8"-16 X1 3/8" (12.91001)				1							1	
	179844	BOLT, 3/8"-16 X 1 5/8" (12.91001)										1		
	179846	BOLT, 3/8"-16 X 1 7/8" (12.91001)		1			1							
	186278	BOLT, 3/8"-16 X 2 5/8" (12.91001)												1
	186288	BOLT, 3/8"-16 X 4 1/2" (12.91001)	1											
	442733	BOLT, 1/2"-13 X 1 1/4" (12.91001)	1									1		1
	186725	BOLT, 1/2"-13 X 1 1/2" (12.91001)										1		
	5117082	WASHER, STRAP TO GEN. (3.4103)	1									1		1
	5109949	WASHER, STRAP TO GEN. (5.4025)										2		
	5121403	WASHER, STRAP TO GEN. (3.4080)			1	1		1		1			1	
	103341	WASHER, 3/8" (12.9190)	1			1				1			1	
	103320	LOCKWASHER, 5/16" (12.9200)		1	1	1	1	1		1	1		1	
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	1	1	1		1	1	1	1	
	103323	LOCKWASHER, 1/2" (12.9200)	1									2		1
	102635	NUT, 3/8"-16 (12.9120)		1	1		1					1		
	102637	NUT, 1/2"-13 (12.9120)										1		
		+ NOT SERVICED, USE 5102731 STRAP AND 5102729 BRACKET.												
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER, 7/8" ID X 1/8" L.		1			1				1			
	5174297	SPACER, 3/8" ID X 1 3/4" L.	1											

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 18631	18635	18636	19044	19114	19128	19331	19332	19334	19441	19446	19544
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5102058	BRACKET										2		
	114926	BOLT, 3/8"-16 X 4 1/4" (12.9001)										2		
	103321	LOCKWASHER, 3/8" (12.9200)										2		
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5102069	GUARD	1											
	186676	BOLT, 1/4"-20 X 5/8" (12.9001)	2											
	186629	BOLT, 5/16"-18 X 1" (12.9001)	1											
	186277	BOLT, 3/8"-16X2 3/8" (12.9001)	1											
	120392	WASHER, 1/4" (12.9190)	2											
	103319	LOCKWASHER, 1/4" (12.9200)	2											
	103320	LOCKWASHER, 5/16" (12.9200)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	5101265	NUT, 1/4"-20 CLIP	2											
	120376	NUT, 5/16"-18 (12.9120)	1											
		7.1586 - GUARD, FLANGED MOUNTED ALTERNATOR FAN												
	5103471	GUARD							1					
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5102197	BRACKET	1											
	5102198	BRACKET	1											
		7.1588 - ADAPTOR, FLANGE MOUNTED ALTERNATOR												
	5103472	ADAPTOR							1					
		7.1589 - GASKET, FLANGE MOUNTED ALTERNATOR ADAPTOR												
	5103475	GASKET							1					
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	8923200	BRACKET	1											1
1A	5102135	BRACKET		1			1							
1A	5102005	BRACKET			1			1						
1A	5102124	BRACKET									1			
1A	5102073	BRACKET										1		
1A	5103770	BRACKET								1				
1A	5102003	BRACKET (R.H.)												
1A	5102002	BRACKET (L.H.)				1								
	5157244	BOLT,3/8"-16 X1 3/4" SPEC (4.4190)									1			
	5137947	BUSHING			1	1	1	1		1				
	5148840	SPACER, 1.06" THK.											1	
	5164294	SPACER, 7/8"-13/32X1/8" THK. (7.1581)					2							
	5136821	SHIM, .002" THICK	1											1
	5136906	SHIM, .005" THICK	1											1
	5152148	WASHER, 3/8" COPPER (2.4050)		1								3		

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1863	1865	1866	1904	1914	1928	1931	1932	1934	1941	1946	1954
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	5132147	WASHER, 13/32" ID. X .20" (3.4030)			3									
	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)	2											2
	179823	BOLT, 5/16"-18 X 1 5/8" (12.9001)									2			
	179839	BOLT, 3/8"-16 X 1" (12.9001)		2			2					3		

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1863	1865	1866	1904	1914	1928	1931	1932	1934	1941	1946	1954
		7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
	5101377	BOLT, 3/8"-16 X 1" (W/SEAL PATCH) (5.2020)		3			1					3		
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)	2							3				2
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)			3	3		3						
	186312	BOLT, 3/8"-24 X 4" (12.9001)					1							
	9414215	BOLT, 3/8"-16 X2 1/2" (12.9001)											3	
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)			3									
	103320	LOCKWASHER, 5/16" (12.9200)	2								2			2
	103321	LOCKWASHER, 3/8" (12.9200)	2	3	3	3	2	3		3	1	3		2
	103026	NUT, 3/8"-24 (12.9120)					1							
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	5100420	WIRE ASSY (INCLUDES RECTIFIER)		1	1	1	1	1		1	1			
	106498	LOCKWASHER #12 (12.9001)		1	1	1	1	1		1	1			
	103089	NUT, 1/2"-24		1	1	1	1	1		1	1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1960	1962	1977	1984	1985	1992	1993	1994	1997	2001
		7.1001 - GENERATOR ASSY.										
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC MOUNTING BRACKETS AND HARDWARE.										
	NPN	GENERATOR, CUSTOMER FURNISHED.					1	1		1		
	NPN	ALTERNATOR, CUSTOMER FURNISHED	1	1	1				1			
1A	1100081	* GENERATOR, 12V., 65AMP., CW/CCW.				1						
1A	1102940	* % GENERATOR, 12V., 42 AMP., CW/CCW.									1	
	186629	BOLT, 5/16"-18 X 1" (12.9001)									1	
	455537	BOLT, 3/8"-16 X4" (12.9001)						1		1	1	1
	186631	BOLT, 1/2"-13 X2 1/4" (12.9001)							2			
	9427945	BOLT, 1/2"-13 X6 1/4" (12.9001)		1		1	1					
	5131433	WASHER, .41" X .81" X .14" (1.5001)	2		2			2		2	2	4
	5132715	WASHER, .53" X .94" X .12" (1.3140)		2		2	3		3			
	103320	LOCKWASHER, 5/16" (12.9200)						1		1	1	
	103321	LOCKWASHER, 3/8" (12.9200)										
	103323	LOCKWASHER, 1/2" (12.9200)		1		1	1					
	102635	NUT, 3/8"-16 (12.9120)						1		1	1	
	102637	NUT, 1/2"-13 (12.9120)		1		1	1		2			
		% NOT SERVICED, SUPERSEDED BY 1103131 (METRIC). * NOT SERVICED BY DDA.										
		7.1005 - SHIELD, GENERATOR										
	5148599	SHIELD, HEAT (L.H.)	1					1				1
	5148770	SHIELD, HEAT (R.H.)		1								
	5131201	BRACKET (7.1587)	1					1				1
	5137329	BRACKET (90 DEG.)		1								
	179816	BOLT, 5/16"-18 X3/4" (12.9001)		1				1				
	120393	WASHER, 5/16" (12.9190)		2				2				
	103320	LOCKWASHER, 5/16" (12.9200)		1				1				
	120376	NUT, 5/16"-18 (12.9120)		1				1				
		7.1440 - FAN, GENERATOR										
	1970765	* FAN, (INCLUDES BAFFLE)			1						1	
		* NOT SERVICED BY DDA.										
		7.1500 - PULLEY, GENERATOR										
1A	5148796	PULLEY, 2.76" DIA. 2 GROOVES		1		1	1		1			
1A	5132527	PULLEY, 2.76" DIA. 2 GROOVES	1		1			1		1	1	1
		7.1505 - PULLEY, GENERATOR DRIVE										
	5134827	PULLEY, 4.66" DIA. 2 GROOVES							1			
	124543	KEY, 1/8" X1/2" WOODRUFF (12.9350)							2			
	272906	NUT, 3/4"-16 (12.9140)							1			
		7.1507 - DRIVE ASSY., GENERATOR										
		A DRIVE ASSY. INCLUDES ITEMS IN 7.1505, 7.1510, 7.1515, 7.1520, 7.1535 AND 7.1545.										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1960	1962	1977	1984	1985	1992	1993	1994	1997	2001
	7.1507	**- DRIVE ASSY., GENERATOR (CONT'D)**										
	5106611	+ DRIVE ASSY.							1			
	179844	BOLT, 3/8"-16 X1 5/8" (12.9001)							1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1960	1962	1977	1984	1985	1992	1993	1994	1997	2001
		7.1507 - DRIVE ASSY., GENERATOR (CONT'D)										
	272547	BOLT, 3/8"-16 X6 1/2" (12.9001)							4			
	103321	LOCKWASHER, 3/8" (12.9200)							5			
		+ NOT SERVICED, FOR SERVICE USE COMPONENTS.										
		7.1508 - GASKET, GENERATOR DRIVE										
	5103476	GASKET							1			
		7.1510 - HUB, GENERATOR DRIVE PULLEY										
	5143234	HUB, (1.7610)							1			
	5143233	SHAFT, (1.7640)							1			
		7.1515 - SEAL, GENERATOR DRIVE OIL										
	5138710	SEAL, (3.4160)							1			
	5133682	SPACER, OIL SEAL (1.7665)							1			
		7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL										
	5106610	RETAINER							1			
		7.1535 - BEARING, GENERATOR DRIVE										
	908002	BEARING, (5.4332)							1			
		7.1545 - LOCKRING, GENERATOR DRIVE BEARING										
	274621	LOCKRING							1			
		7.1560 - COUPLING, GENERATOR DRIVE										
	5139545	COUPLING (1.7635)							1			

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1960	1962	1977	1984	1985	1992	1993	1994	1997	2001
		7.1575 - BELT, GENERATOR DRIVE										
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.										
1A	5106553	BELT SET (2 BELTS 32" L X .380" W) COGGED							1			
1A	5133176	BELT SET (2 BELTS 38" L X .380" W) COGGED					1					
1A	5133601	BELT SET (2 BELTS 41" L X .380" W) COGGED								1		
1A	5120937	BELT SET (2 BELTS 41.62" L X .380" W) COGGED									1	
1A	5133172	BELT SET (2 BELTS 43" L X .380" W) COGGED	1			1		1				1
1A	5132591	BELT SET (2 BELTS 46" L X .380" W) COGGED		1								
1A	5133174	BELT SET (2 BELTS 40" L X 380" W) COGGED			1							
		7.1580 - STRAP, GENERATOR ADJUSTING										
1A	5148287	STRAP				1						
1A	5102065	STRAP					1					
1A	5102731	STRAP						1		1		
1A	5106551	STRAP							1			
1A	5106562	STRAP									1	
1A	5148774	+ STRAP	1									
1A	5148584	+ STRAP		1								
1A	5103769	STRAP			1							
	5117082	SPACER, .53" X 1.16" (3.4103)				1	1		1			
	186625	BOLT, 5/16"-18 X7/8" (12.9001)						1		1		
	186619	BOLT, 3/8"-16 X1 1/8" (12.9001)			1	1		1		1	1	
	186612	BOLT, 3/8"-16 X 3/8" (12.9001)		1								
	179882	BOLT, 1/2"-13 X1 1/8" (12.9001)							1			
	442733	BOLT, 1/2"-13 X1 1/4" (12.9001)				1	1					
	179884	BOLT, 1/2"-13 X1 3/8" (12.9001)							1			
	186725	BOLT, 1/2"-13 X1 1/2" (12.9001)					1					
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)	1		1			1	1	1	1	1
	103341	WASHER, 3/8" (12.9190)		1								
	103320	LOCKWASHER, 5/16" (12.9200)						1		1	1	
	103321	LOCKWASHER, 3/8" (12.9200)		1		1		1		1	1	1
	103323	LOCKWASHER, 1/2" (12.9200)				1	2		2			
	102635	NUT, 3/8"-16 (12.9120)				1						1
	102637	NUT, 1/2"-13 (12.9120)					1					
		+ NOT SERVICED, USE 5102731 STRAP AND 5102729 BRACKET.										
		7.1582 - BRACKET, GENERATOR ADJ STRAP										
	5102058	BRACKET					1					
	5102729	BRACKET						1		1		1
	186629	BOLT, 5/16"-18 X1" (12.9001)						1		1		
	186612	BOLT, 3/8"-16 X1 3/8" (12.9001)					1					
	114926	BOLT, 3/8"-16 X4 1/4" (12.9001)					2					
	103320	LOCKWASHER, 5/16" (12.9200)						1		1		
	103321	LOCKWASHER, 3/8" (12.9200)					1					
	120376	NUT, 5/16"-18 (12.9120)						1		1		
	102635	NUT, 3/8"-16 (12.9120)					1					

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1960	1962	1977	1984	1985	1992	1993	1994	1997	2001
		7.1595 - BRACKET, GENERATOR MOUNTING										
1A	5102003	BRACKET (R.H.)		1		1						
1A	5102073	BRACKET (R.H.)					1					
1A	5102002	BRACKET (L.H.)	1					1				1
1A	5102005	BRACKET (R.H.)								1	1	
1A	5106552	BRACKET							1			
1A	5103770	BRACKET			1							
	5137947	BUSHING	1		1			1		1	1	1
	5148840	SPACER	1	1				1				1
	5132147	WASHER, 13/32" I.D. X .20" (3.4030)		3								
	179839	BOLT, 3/8"-16 X1" (12.9001)					2					
	5101377	BOLT, 3/8"-16 X 1" (W/SEAL AND LOCKING PATCH) (5.2020)					1					
	186628	BOLT, 3/8"-16 X1 1/2" (12.9001)				3			2	3	3	
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)			3							
	9414215	BOLT, 3/8"-16 X2 1/2" (12.9001)	3	3				3				3
	186314	BOLT, 3/8"-24 X4 1/4" (12.9001)							1			
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)		3								
	103321	LOCKWASHER, 3/8" (12.9200)			3	3	1		2	3	3	
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR										
	5100420	WIRE ASSY. (INCLUDES RECTIFIER)	1		1			1		1	1	1
	106498	LOCKWASHER, #12 (12.9200)						1		1	1	
	103089	NUT, 12-24 (12.9120)						1		1	1	

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2004	2006	2007	2009	2012	2019	2020	2022	2023	2024	2026
		7.1001 - GENERATOR ASSY.											
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC BRACKETS AND HARDWARE.											
1A	**5104711**	GENERATOR, 14V, 75 AMP., CW/CCW	1										
1A	**1102918**	* ? GENERATOR, 24V., 40 AMP., CCW (NEGATIVE GROUND)		1								1	
1A	**5105027**	+ GENERATOR, 12V, 42 AMP., CW/CCW (NEGATIVE GROUND)						1	1	1			
1A	**1100077**	* ALTERNATOR, 24V., 65 AMP., CW/CCW (NEGATIVE GROUND)			1	1					1		
1A	**5105026**	% ALTERNATOR, 12V, 42 AMP. CW/CCW							1	1	1		
1A	**1102940**	* # GENERATOR, 12V., 24 AMP., CW/CCW (NEGATIVE GROUND)					1						1
	179847	BOLT, 3/8"-16 X 2 (12.9001)	1										
	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)	3										
	9437419	BOLT, 3/8"-16 X 7" (12.9001)	4										
	455537	BOLT, 3/8"-16 X 4" (12.9001)		1			1		1	1		1	1
	9421889	BOLT, 3/8"-24 X 7" (12.9001)						1					
	9427945	BOLT, 1/2"-13 X 6 1/4" (12.9001)			1	1							
	186631	BOLT, 1/2"-13 X 2 1/4" (12.9001)									2		
	5131433	WASHER, .41" X .81" X .14" (1.5001)	8	2			2		2	2		2	2
	5132715	WASHER, .53" X .94" X .12" (1.3140)			2	2					3		
	103321	LOCKWASHER, 3/8" (12.9200)	8	1			1	1	1	1		1	1
	103323	LOCKWASHER, 1/2" (12.9200)			1	1							
	102635	NUT, 3/8"-16 (12.9120)		1			1		1	1		1	1
	103026	NUT, 3/8"-24 (12.9120)						1					
	102637	NUT, 1/2"-13 (12.9120)			1	1					2		
		+ NOT SERVICED, FOR SERVICE USE COMPONENTS.											
		% NOT SERVICED, PROCURE FROM ARNO CORP. IN BRAZIL.											
		? NOT SERVICED, SUPERSEDED BY 1103123 (METRIC).											
		# NOT SERVICED, SUPERSEDED BY 1103131 (METRIC).											
		* NOT SERVICED BY DDA.											
		7.1005 - SHIELD, GENERATOR											
	5148769	SHIELD, HEAT (L.H.)			1	1							
	5148599	SHIELD, HEAT (L.H.)										1	
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)				1							
	179835	BOLT, 3/8"-16 X 5/8" (12.9001)			1								
	179837	BOLT, 3/8"-16X3/4" (12.9001)										1	
	120393	WASHER, 5/16" (12.9190)				2							
	103341	WASHER, 3/8" (12.9190)										2	
	103320	LOCKWASHER, 5/16" (12.9200)				1							
	103321	LOCKWASHER, 3/8" (12.9200)										1	
	120376	NUT, 5/16"-18 (12.9120)				1							
	102635	NUT, 3/8"-16 (12.9120)										1	
		7.1440 - FAN, GENERATOR											
1A	**1959703**	* FAN (INCLUDES BAFFLE)					1	1	1	1		1	
1A	**1970765**	* FAN (INCLUDES BAFFLE)		1									1
		* NOT SERVICED BY DDA.											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2004	2006	2007	2009	2012	2019	2020	2022	2023	2024	2026
		7.1500 - PULLEY, GENERATOR											
1A	**5132527**	PULLEY, 2.76" DIA., 2 GROOVES		1		1	1	1	1	1		1	1
1A	**5148796**	PULLEY, 2.76" DIA., 2 GROOVES			1	1					1		
		7.1505 - PULLEY, GENERATOR DRIVE											
	5134827	PULLEY, 4.66" DIA. 2 GROOVES									1		
	124543	KEY, 1/8" X 1/2" WOODRUFF (12.9350)									2		
	272906	NUT, *3/4"-16 (12.9140)*									1		

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 2004	2006	2007	2009	2012	2019	2020	2022	2023	2024	2026
	7.1507 - DRIVE ASSY., GENERATOR											
5106611	% DRIVE ASSY.									1		
272547	BOLT, 3/8"-16 X 6 1/2" (12.9001)									4		
179844	BOLT, 3/8"-16 X 1 5/8" (12.9001)									1		
103321	LOCKWASHER, 3/8" (12.9200)									5		
	% NOT SERVICED, FOR SERVICE USE COMPONENTS.											
	7.1508 - GASKET, GENERATOR DRIVE											
5103476	GASKET	1								1		
	7.1510 - HUB, GENERATOR DRIVE PULLEY											
5143234	HUB (1.7610)									1		
5143233	SHAFT (1.7640)									1		
	7.1511 - HUB, FLANGED MOUNTED ALTERNATOR DRIVE											
5148881	HUB	1										
	7.1515 - SEAL, GENERATOR DRIVE OIL											
5139505	SEAL (7.1516)	1										
5138710	SEAL (3.4160)									1		
5133682	SPACER, OIL SEAL (1.7665)									1		
	7.1520 - RETAINER, GENERATOR DRIVE BEARING AND OIL SEAL											
5106610	RETAINER									1		
	7.1535 - BEARING, GENERATOR DRIVE											
908002	BEARING (5.4332)									1		
	7.1545 - LOCKRING, GENERATOR DRIVE BEARING											
274621	LOCKRING									1		
	7.1560 - COUPLING, GENERATOR DRIVE											
5139545	COUPLING (1.7635)	1								1		

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7.1000A BATTERY CHARGING GENERATOR

7.1575 - BELT, GENERATOR DRIVE

SIZES GIVEN ARE EFF. LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS, UNLESS INDICATED (M.S.) "MILITARY STANDARD".

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2004	2006	2007	2009	2012	2019	2020	2022	2023	2024	2026
1A	5133173	BELT SET (2 BELTS, 42.50" L. X .380" W.)		1					1	1			
1A	5120937	BELT SET (2 BELTS, 41.62" L. X .380" W.)					1						
1A	5133175	BELT SET (2 BELTS, 39.00" L. X .380" W.)						1					
1A	5132591	BELT SET (2 BELTS, 46.00" L. X .380" W.)			1								
1A	5133177	BELT SET (2 BELTS, 37.00" L. X .380" W.)				1							
1A	5106553	BELT SET (2 BELTS, 32.00" L. X .380" W.)								1			
1A	5133172	BELT SET (2 BELTS, 43.00" L. X .380" W.)										1	1

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7.1000A BATTERY CHARGING GENERATOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 2004	2006	2007	2009	2012	2019	2020	2022	2023	2024	2026
		7.1580 - STRAP, GENERATOR ADJUSTING											
1A	5102731	STRAP		1						1		1	
1A	5102125	STRAP						1					
1A	5148585	STRAP			1	1							
1A	5106551	STRAP									1		
1A	8920525	STRAP					1						
	5106913	STRAP											1
	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)		1					1			1	1
	179839	BOLT, 3/8"-16 X 1" (12.9001)						1					
	179884	BOLT, 1/2"-13 X 1 3/8" (12.9001)									1		
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)			1	1							
	179882	BOLT, 1/2"-13 X 1 1/8" (12.9001)									1		
	442733	BOLT, 1/2"-13 X 1 1/4" (12.9001)			1	1							
	186629	BOLT, 5/16"-18 X 1" (12.9001)					1						
	5121403	WASHER, 21/64" X 1" X 3/16" (3.4080)		1			1		1	1		1	1
	103341	WASHER, 3/8" (12.9190)			1	1							
	5117082	WASHER, 53" X 1.16" (3.4103)			1	1					1		
	103320	LOCKWASHER, 5/16" (12.9200)		1			1	1	1	1		1	1
	103321	LOCKWASHER, 3/8" (12.9200)			1	1		1					
	103323	LOCKWASHER, 1/2" (12.9200)			1	1					2		
	120376	NUT, 5/16"-18 (12.9120)		1					1			1	1
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP											
	5164294	SPACER, 7/8"-13/32" X 1/8"						1					
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP											
	5102729	BRACKET		1					1	1		1	1
	186629	BOLT, 5/16"-18 X 1" (12.9001)		1					1			1	1
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)								1			
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)		1					1			1	
	186678	BOLT, 3/8"-16 X 1 (12.9001)											1
	103341	WASHER, 3/8" (12.9190)		1			1			1			
	103320	LOCKWASHER, 5/16" (12.9200)		1					1			1	1
	103321	LOCKWASHER, 3/8" (12.9200)		1			1		1	1		1	1
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY											
	5132556	GUARD						1					
	5148779	GUARD		1					1				
	5148780	GUARD								1			
	125680	SCREW, 1/4"-20 X 5/8" (12.9030)		2					2	2			
	120628	SCREW, 1/4"-20 X 1/2"						1					
	5101265	RETAINER, SCREW 1/4"-20		2				1	2	2			
		7.1586 - GUARD, FLANGED MOUNTED ALTERNATOR FAN											
	5103471	GUARD	1										

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2004	2006	2007	2009	2012	2019	2020	2022	2023	2024	2026
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5129361	BRACKET						1					
	5148755	BRACKET		2					2	2			
	5137329	BRACKET			1	1							
	5131201	BRACKET										1	
		7.1588 - ADAPTOR, FLANGE MOUNTED ALTERNATOR											
	5103472	ADAPTOR	1										
		7.1589 - GASKET, FLANGE MOUNTED ALTERNATOR ADAPTOR											
	5103475	GASKET	1										
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD											
	5147868	SPACER, 7/8" X 15/32" X 2.66"						1					
		7.1595 - BRACKET, GENERATOR MOUNTING											
1A	5102005	BRACKET (RH)		1					1				
1A	5102004	BRACKET (LH)			1	1							
1A	5106552	BRACKET									1		
	5102124	BRACKET (LH)						1					
1A	5102002	BRACKET (LH)					1		1	1		1	
1A	5106980	BRACKET (RH)											1
	5137947	BUSHING		1			1	1	1	1		1	1
	186314	BOLT, 3/8"-24 X 4 1/4" (12.9001)									1		
	5148840	SPACER, 1.06" THICK			1	1						1	
	5164294	SPACER, 7/8"-13/32" X 1/8" THICK (7.1581)						2					
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)		3			3		3	3	2		
	9414215	BOLT, 3/8"-16 X 2 1/2" (12.9001)			3	3						3	
	5157244	BOLT, 3/8"-16 X 1 3/4" SPL. (4.4190)						1					
	179823	BOLT, 5/16-18 X 1 5/8" (12.9001)						2					
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)											2
	427588	BOLT, 3/8"-16 X 2 1/2" (12.9001)											1
	103321	LOCKWASHER, 3/8" (12.9200)		3	1		3	1	3	3	2		3
	103320	LOCKWASHER, 5/16" (12.9200)						2					
	102635	NUT, 3/8"-16 (12.9120)			1								
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET											
	5142841	SPACER, 7/8" X 13/32 X 1.18"						1					
	5126962	SPACER, 3/8" PIPE 2.76" L.						1					
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)						1					
	9418964	BOLT, 3/8"-16 X 5" (12.9001)						1					
	103321	LOCKWASHER, 3/8" (12.9200)						2					

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 2004	2006	2007	2009	2012	2019	2020	2022	2023	2024	2026
7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
5100420	WIRE ASSY. (INCLUDES RECTIFIER)		1			1	1	1	1		1	1
106498	LOCKWASHER, #12 (12.9200)		1			1	1	1	1		1	1
103089	NUT, 12-24 (12.9120)		1			1	1	1	1		1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2029	2031	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC MOUNTING BRACKETS AND HARDWARE.												
1A	1100081	* GENERATOR, 12V, 65 AMP., CW/CCW	1											
1A	5146719	# GENERATOR, 28V, 60 AMP., CW/CCW		1										
	1103131	* GENERATOR, 12V, 42 AMP., CW/CCW (METRIC)			1	1	1	1		1	1	1	1	1
	1100092	* GENERATOR, 12V, 18 AMP. CW/CCW (METRIC)							1					
	9427945	BOLT, 1/2"-13 X 6 1/4" (12.9001)	1											
	11500730	BOLT, M10X1.5X110 MM (12.9001)			1	1	1	1	1	1	1	1	1	1
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)		2										
	103323	LOCKWASHER, 1/2" (12.9200)	1											
	178571	LOCKWASHER, 7/16" (12.9215)		2										
	11500192	LOCKWASHER, M10 (12.9200)			1	1	1	1	1	1	1	1	1	1
	5132715	WASHER, .53" X .94" X .12" (1.3140)	2											
	5131433	WASHER, .41 X .81 X .14 (1.5001)			2	2	2	2	2	2	2	2	2	2
	5125608	WASHER, 15/32" X 3/4" X 1/8" (1.3112)		1										
	102637	NUT, 1/2"-13 (12.9120)	1											
	11501052	NUT, M10 1.5 (12.9120)			1	1	1	1	1	1	1	1	1	1
		# SERVICED AS ASSY.; FOR COMPONENTS CONTACT LEECE NEVILLE CORP. FURNISH THEIR ASSY. NUMBER A001-3002AD. NOTE: GENERATOR INCLUDES SELF-RECTIFIED BUILT-IN REGULATOR.												
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR												
	5143583	SHIELD		1										
	5148787	SHIELD (R.H.)										1		1
	5148599	SHIELD (L.H.)											1	
	180120	BOLT, 3/8"-16 X 3/4" (12.9001)		2										
	178551	LOCKWASHER, 3/8" (12.9215)		2										
	123221	NUT, 3/8"-16 (12.9120)		2										

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7.1000A BATTERY CHARGING GENERATOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 2029	2031	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065
		7.1440 - FAN, GENERATOR												
	1970765	* FAN (INCLUDES BAFFLE)			1		1		1	1		1		1
	1959703	* FAN (INCLUDES BAFFLE)				1		1			1		1	
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	**5148796**	PULLEY, 2.76" DIA., 2 GROOVES	1											
1A	**5136692**	PULLEY, 2.76" DIA., 2 GROOVES		1										
1A	**5132527**	PULLEY, 2.76" DIA., 2 GROOVES			1	1	1	1	1	1	1	1	1	1
		7.1575 - BELT, GENERATOR DRIVE												
		SIZES GIVEN ARE EFF. LENGTH AT WIDTH SHOWN. ALL BELTS ARE "PREMIUM" POLYESTER BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD".												
1A	**5133172**	BELT SET (2 BELTS, 43.00" L. X .380" W.)	1									1	1	
1A	**5136878**	BELT SET (2 BELTS, 44.00" L. X .380" W.)		1										
1A	**5133173**	BELT SET (2 BELTS, 42.00" L. X .380" W.)			1	1	1	1	1	1	1			
1A	**5181329**	BELT SET (2 BELTS, 32.00" L.)												1
		7.1580 - STRAP, GENERATOR ADJUSTING												
	5148223	STRAP	1											
1A	**5102731**	STRAP			1	1	1	1	1	1	1	1	1	1
1A	**5141952**	STRAP		1										
	442733	BOLT, 1/2"-13 X 1 1/4" (12.9001)	1											
	186678	BOLT, 3/8"-16 X 1" (12.9001)		2										
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)	1											
	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)			1	1	1	1	1	1	1	1	1	1
	5117082	WASHER, .53" X 1.16" (3.4103)	1											
	5150230	WASHER, 3/8" X 1 3/16" (3.4120)		1										
	5159080	WASHER, 3/4" X .078" (2.7260)		1										
	103341	WASHER, 3/8" (12.9190)	1											

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2029	2031	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065
		7.1580 - STRAP, GENERATOR ADJUSTING (CONT'D)												
	5121403	WASHER, 21/64" X 1" X 3/16" (3.4080)			1	1	1	1	1	1	1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	103323	LOCKWASHER, 1/2" (12.9200)	1											
	178551	LOCKWASHER, 3/8" (12.9215)		2										
	103320	LOCKWASHER, 5/16" (12.9200)			1	1	1	1	1	1	1	1	1	1
	102635	NUT, 3/8"-16 (12.9120)	1											
	120376	NUT, 5/16-18 (12.9120)			1	1	1	1	1	1	1	1	1	1
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5102729	BRACKET			1	1	1	1	1	1	1	1	1	1
	11500868	BOLT, M8X1.25X30 MM (12.9001)			1	1	1	1	1	1	1	1	1	1
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)			1	1	1	1	1	1	1	1	1	1
	103341	WASHER, 3/8" (12.9190)					1							
	11500191	LOCKWASHER, M8 (12.9200)			1	1	1	1	1	1	1	1	1	1
	103321	LOCKWASHER, 3/8" (12.9200)			1	1	1	1	1	1	1	1	1	1
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5148781	GUARD			1									
	5148782	GUARD				1								
	5148779	GUARD					1							
	5148780	GUARD						1						
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5131201	BRACKET		1								1	1	1
	5148755	BRACKET			1	1	2	2						
	5126113	BRACKET			2	2								
	5177469	SPACER, 13/32"X1 3/16" (7.1585) (7.1585)			1	1								
	125680	SCREW, 1/4"-20 X 5/8" (12.9030)			3	3	2	2						
	5101265	RETAINER, CLIP			3	3	2	2						
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)										1	1	1
	120393	WASHER, 5/16" (12.9190)										2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)										1	1	1
	120376	NUT, 5/16"-18 (12.9120)										1	1	1
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	5102004	BRACKET (LH)	1											
1A	5136712	BRACKET		1										
	8921666	BRACKET (R.H.) (METRIC)			1		1		1	1		1		1
	8921620	BRACKET (L.H.) (METRIC)				1		1			1		1	

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7.1000A BATTERY CHARGING GENERATOR

PART NUMBER	NAME AND DESCRIPTION	TYPES 20291	20311	20556	20557	20558	20559	20560	20561	20562	20563	20564	20565
	7.1595 - BRACKET, GENERATOR MOUNTING (CONT'D)												
5137947	BUSHING			1	1	1	1	1	1	1	1	1	1
5148840	SPACER, 1.06" THK.										1	1	1
5143584	PLATE (7.1596)		1										
186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)	3		3	3	3	3	3	3	3			
9414215	BOLT, 3/8"-16 X 2 1/2" (12.9001)										3	3	3
454907	BOLT, 3/8"-16 X 2 1/4" (12.9001)		3										
103321	LOCKWASHER, 3/8" (12.9200)	3		3	3	3	3		3	3			
178551	LOCKWASHER, 3/8" (12.9215)		3										
	7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
5100420	WIRE ASSY. (INCLUDES RECTIFIER)			1	1	1	1	1	1	1	1	1	1
11504530	LOCKNUT, M6 (12.9120)			1	1	1	1	1	1	1	1	1	1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2066	2067	2068	2069	2070	2071	2072	2073	2075	2076	2077	2078
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC MOUNTING BRACKETS AND HARDWARE.												
	1103131	* GENERATOR, 12V. 42 AMP. CW/CCW (METRIC)	1	1		1	1	1			1		1	
	1103123	* GENERATOR, 24V. 42 AMP. CCW (METRIC)			1				1	1		1		1
	11500730	BOLT, M10 X 1.5 X 110 MM (12.9001)	1	1	1		1	1	1	1	1	1	1	1
	11501798	BOLT, M10X1.5X180 MM (12.9001)				1								
	5131433	WASHER, .41" X .81" X .14" (1.5001)	1					2		2	2	2	2	2
	11500192	LOCKWASHER, M10 (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1
	11501052	NUT, M10 X 1.5 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1
		* NOT SERVICED BY DDA.												
		7.1005 - SHIELD, GENERATOR												
	5148599	SHIELD, HEAT (L.H.)												1
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)												1
	120393	WASHER, 5/16" (12.9190)												2
	103320	LOCKWASHER, 5/16" (12.9200)												1
	120376	NUT, 5/16"-18 (12.9120)												1
		7.1440 - FAN, GENERATOR												
	1970765	* FAN (INCLUDES BAFFLE)	1			1	1	1	1	1	1	1		
	1959703	* FAN (INCLUDES BAFFLE)		1	1								1	1
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5132527	PULLEY, 2.76" DIA. 2 GROOVES	1	1	1	1	1	1	1	1	1	1	1	1
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM POLYESTER BELTS."												
1A	5181329	BELT SET (2 BELTS 32" L. X .380" W.)	1											
1A	5133177	BELT SET (2 BELTS 37" L. X .380" W.)		1	1									

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2066	2067	2068	2069	2070	2071	2072	2073	2075	2076	2077	2078
		7.1575 - BELT, GENERATOR DRIVE (CONT'D)												
1A	**5133175**	BELT SET (2 BELTS 39" L. X .380" W.) COGGED				1	1		1					
1A	**5133173**	BELT SET (2 BELTS 42" L. X .380" W.) COGGED						1		1		1		
1A	**5120937**	BELT SET (2 BELTS 41.62" L. X .380" W.)									1		1	
1A	**5133172**	BELT SET (2 BELTS 43" L. X .380" W.)												1
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5102731**	STRAP	1					1		1		1		1
1A	**5102078**	STRAP		1	1									
1A	**5102125**	STRAP				1	1		1					
1A	**5106562**	STRAP									1			
	8920525	STRAP											1	
	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)	1							1		1		1
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)		1	1									
	11500868	BOLT, M8 X 1.25 X 30 MM (12.9001)		1	1	1	1		1		1		1	
	179839	BOLT, 3/8"-16 X 1" (12.9001)				1	1							
	186625	BOLT, 5/16"-18 X 7/8" (12.9001)						1						
	5101377	BOLT, 3/8"-16 X 1" (5.2020)							1					
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									1		1	
	5121403	WASHER, 21/64" X 1" X 3/16" (3.4080)	1					1		1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)	1					1		1		1		1
	11500191	LOCKWASHER, M8 (12.9200)		1	1	1	1		1		1		1	
	103321	LOCKWASHER, 3/8" (12.9200)		1	1	1	1		1		1		1	
	120376	NUT, 5/16"-18 (12.9120)	1					1		1		1		1
	102635	NUT, 3/8"-16 (12.9120)		1	1									
		7.1581 - SPACER, GENERATOR ADJUSTING STRAP												
	5164294	SPACER, 7/8"X13/32"X1/8"		1	1	1	1	1	1					
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5102729	BRACKET	1					1		1		1		1
	11500868	BOLT, M8 X 1.25 X 30 MM (12.9001)	1					1		1		1		1
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)	1					1		1		1		1
	103341	WASHER, 3/8" (12.9190)										1		
	11500191	LOCKWASHER, M8 (12.9200)	1					1		1		1		1
	103321	LOCKWASHER, 3/8" (12.9200)	1					1		1		1		1

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7.1000A BATTERY CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2066	2067	2068	2069	2070	2071	2072	2073	2075	2076	2077	2078
		7.1585 - GUARD, GENERATOR DRIVE BELT AND PULLEY												
	5132556	GUARD				1						1		
	5148779	GUARD												
	120628	SCREW, 1/4"-20 X 1/2"				1								
	125680	SCREW, 1/4" X 5/8" (12.9030)										2		
	5101265	RETAINER, SCREW 1/4"-20				1						2		
		7.1587 - BRACKET, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5129361	BRACKET				1								
	5148755	BRACKET										2		
	5131201	BRACKET												1
		7.1590 - SPACER, GENERATOR DRIVE BELT AND PULLEY GUARD												
	5147868	SPACER, 7/8" X 15/32" X 2.66"				1								
		7.1595 - BRACKET, GENERATOR MOUNTING												
1A	8921666	BRACKET	1					1		1	1	1		
1A	8921617	BRACKET		1	1									
1A	8921667	BRACKET				1	1		1				1	1
1A	8921620	BRACKET												
	5137947	BUSHING	1	1	1	1	1	1	1	1	1	1	1	1
	5164294	SPACER, 7/8" 13/32" X 1/8"		2	2	2	2		2					1
	5148840	SPACER, 1.06" THK.												
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)	3					3		3	3	3	3	
	5101377	BOLT, 3/8"-16 X 1" (5.2020)		3	3									
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)				1	1		1					
	179823	BOLT, 5/16"-18 X 1 5/8" (12.9001)				2	2		2					3
	9414215	BOLT, 3/8"-16 X 2 1/2" (12.9001)												
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3	1	1	3	1	3	3	3	3	
	103320	LOCKWASHER, 5/16" (12.9200)				2	2		2					
		7.1598 - SPACER, GENERATOR AND MOUNTING BRACKET												
	5142841	SPACER, 7/8" X 13/32" X 1.18"				1								
	5126962	SPACER, 3/8" PIPE 2.76" L.				1								
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)				1								
	9418964	BOLT, 3/8"-16 X 5" (12.9001)				1								
	103321	LOCKWASHER, 3/8" (12.9200)				2								
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	5100430	WIRE ASSY. (INCLUDES RECTIFIER)	1	1	1	1	1	1	1	1	1	1	1	1
	11504530	LOCKNUT, M6 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1

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7.1000A BATTERY, CHARGING GENERATOR

MG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2080	2081	2083	2086	2089	2099	2101	2102	2103	2104	2106	2110
		7.1001 - GENERATOR ASSY.												
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC MOUNTING BRACKETS AND HARDWARE.												
	1105069	* GENERATOR, 12V., 42 AMP., CW/CCW (METRIC)	1	1										
	1105179	* GENERATOR, 24V., 40 AMP., CW/CCW (METRIC)			1								1	
1A	1100081	* GENERATOR, 12V. 65 AMP., CW/CCW					1			1		1		
	5146719	# GENERATOR, 28V., 60 AMP CW/CCW (#A001-3002AD)							1					
	1100077	* GENERATOR, 24V., 65 AMP CW/CCW									1			
	8922757	# GENERATOR, 28V., 65 AMP CW/CCW (#A001090640)				1								
	11500730	BOLT, M10 X 1.5 X 110 MM (12.9001)	1	1	1								1	
	179847	BOLT, 3/8"-16X2" (12.9001)				1								
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				3								
	9437419	BOLT, 3/8"-16X7" (12.9001)				4								
	179862	BOLT, 7/16"-14X1 1/2 (12.9001)							2					
	9427945	BOLT, 1/2"-13 X 6 1/4" (12.9001)					1			1	1	1		
	5131433	WASHER, .41" X .81" X .14" THK. (1.5001)	2	2	2	8		2					2	
	5132715	WASHER, .53" X .94" X .12" THK. (1.3140)					2			2	2	2		
	11500192	LOCKWASHER, M10 (12.9200)	1	1	1								1	
	103321	LOCKWASHER, 3/8" (12.9200)				8								
	103323	LOCKWASHER, 1/2" (12.9200)					1			1	1			
	178571	LOCKWASHER, 7/16" (12.9215)							2					
	11501052	NUT, M10 X 1.5 (12.9120)	1	1	1								1	
	102637	NUT, 1/2"-13 (12.9120)					1			1	1	1		
		* NOT SERVICED BY DDA. # SERVICED AS ASSY., FOR COMPONENTS CONTACTS LEECE NEVILLE CORP. FURNISH THEIR ASSY NUMBER.												
		7.1005 - SHIELD, GENERATOR												
	5148769	SHIELD, HEAT (L.H.)					1			1				1
	5148599	SHIELD, HEAT (L.H.)						1						
	5137329	BRACKET (90 DEG.)					1			1				1
	5131201	BRACKET (7.1587)						1						
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)					1			1				1
	120393	WASHER, 5/16" (12.9190)					2			2				2
	103320	LOCKWASHER, 5/16" (12.9200)					1			1				1
	120376	NUT, 5/16"-18 (12.9120)					1			1				1
		7.1440 - FAN, GENERATOR												
	1959703	* FAN (INCLUDES BAFFLE)	1										1	
	1970765	* FAN (INCLUDES BAFFLE)		1	1									
		* NOT SERVICED BY DDA.												
		7.1500 - PULLEY, GENERATOR												
1A	5132527	PULLEY, 2.76" DIA. 2 GROOVES	1	1	1			1					1	
1A	5148796	PULLEY, 2.76" DIA. 2 GROOVES					1			1	1	1		1
1A	5136692	PULLEY, 2.76" DIA. 2 GROOVES						1						

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2080	2081	2083	2086	2089	2099	2101	2102	2103	2104	2106	2110
		7.1508 - GASKET, GENERATOR DRIVE												
	5103476	GASKET				1								
		7.1511 - HUB, FLANGE MOUNTED ALTERNATOR DRIVE												
	5148881	HUB				1								
		7.1515 - SEAL, GENERATOR DRIVE OIL												
	5139505	SEAL				1								

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2080	2081	2083	2086	2089	2099	2101	2102	2103	2104	2106	2110
		7.1575 - BELT, GENERATOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMIUM" POLYESTER BELTS.												
1A	**5181329**	BELT SET (2 BELTS, 32" L. X .380" W.)	1											
1A	**5133174**	BELT SET (2 BELTS, 40" L. X .380" W.)		1	1									
1A	**5132591**	BELT SET (2 BELTS, 46" L. X .380" W.)					1					1		
1A	**5133172**	BELT SET (2 BELTS, 43" L.X.380" W.)						1			1			
1A	**5134089**	BELT SET (2 BELTS, 35" L.X.380" W.) (1.3320)							1					
1A	**5133177**	BELT SET (2 BELTS, 37" L.X.380" W.)								1				
1A	**5133173**	BELT SET (2 BELTS 42" L.X.380" W.)											1	
		7.1580 - STRAP, GENERATOR ADJUSTING												
1A	**5102731**	STRAP	1										1	
1A	**5103769**	STRAP		1	1									
1A	**5148585**	STRAP					1			1		1		1
1A	**5141952**	STRAP							1					
1A	**5148287**	STRAP									1			
	186624	BOLT, 5/16"-18 X 1/4" (12.9001)	1										1	
	11500869	BOLT, M8 X 1.25 X 35.0 MM (12.9001)		1	1									
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)		1	1						1			
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)					1			1		1		1
	442733	BOLT, 1/2"-13 X 1 1/4" (12.9001)					1			1	1	1		
	186678	BOLT, 3/8"-16X1" (12.9001)							2					
	5121403	WASHER, 21/64" X 1" X 3/16" (3.4080)	1	1	1								1	
	103341	WASHER, 3/8" (12.9190)		1	1		1			1		1		1
	5117082	WASHER, .53" X 1.16" (3.4103)					1			1	1	1		
	5150230	WASHER, 3/8"X1 3/16" (3.4120)							1					
	5159080	WASHER, 3/4" O.D.X.078" (2.7260)							1					
	103320	LOCKWASHER, 5/16" (12.9200)	1										1	
	11500191	LOCKWASHER, M8 (12.9200)		1	1									
	103321	LOCKWASHER, 3/8" (12.9200)		1	1		1			1	1	1		1
	103323	LOCKWASHER, 1/2" (12.9200)					1			1	1	1		
	178551	LOCKWASHER, 3/8" (12.9215)							2					
	120376	NUT, 5/16"-18 (12.9120)	1								1		1	
		7.1582 - BRACKET, GENERATOR ADJUSTING STRAP												
	5102729	BRACKET	1										1	
	11500868	BOLT, M8 X 1.25 X 30 MM (12.9001)	1										1	
	186619	BOLT, 3/8"-16 X 1 1/8" (12.9001)	1										1	
	11500191	LOCKWASHER, M8 (12.9200)	1										1	
	103321	LOCKWASHER, 3/8" (12.9200)	1										1	
		7.1586 - GUARD, FLANGE MOUNTED ALTERNATOR FAN												
	5103471	GUARD				1								
		7.1588 - ADAPTOR, FLANGE MOUNTED ALTERNATOR												
	5103472	ADAPTOR				1								

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2080	2081	2083	2086	2089	2099	2101	2102	2103	2104	2106	2110
		7.1589 - GASKET, FLANGE MOUNTED ALTERNATOR ADAPTOR												
	5103475	GASKET				1								

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 20800	20801	20833	20886	20899	20999	21011	21021	21031	21041	21061	21110
		7.1595 - BRACKET, GENERATOR MOUNTING												
	8921620	BRACKET (L.H.) (METRIC)	1										1	
	8921618	BRACKET (R.H.) (METRIC)		1	1									
1A	5102004	BRACKET (L.H.)					1			1		1		1
	5102002	BRACKET (L.H.)						1						
	5136712	BRACKET							1					
	5102003	BRACKET (R.H.)									1			
	5137947	BUSHING	1	1	1		1						1	
	5148840	SPACER, 1.06" THK.					1	1		1		1		
	5143584	PLATE							1					
	186628	BOLT, 3/8"-16 X 1 1/2" (12.9001)	3								3		3	
	186612	BOLT, 3/8"-16 X 1 3/8" (12.9001)		3	3									
	9414215	BOLT, 3/8"-16 X 2 1/2" (12.9001)					3	3		3		3		3
	454907	BOLT, 3/8"-16X2 1/4" (12.9001)							3					
	5132715	WASHER, .53" ID X1"X.12" (1.3140)							1					
	178551	LOCKWASHER, 3/8" (12.9215)							3					
	103321	LOCKWASHER, 3/8" (12.9200)	3	3	3						3		3	
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR												
	5100420	WIRE ASSY. (INCLUDES RECTIFIER)	1	1	1								1	
	11504530	LOCKNUT, M6 (12.9120)	1	1	1								1	

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2211 2187	2213	2213
		7.1001 - GENERATOR ASSY.			
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO. FOR METRIC GENERATORS, USE METRIC MOUNTING BRACKETS AND HARDWARE.			
	1105069	* GENERATOR, 12V., 42 AMP., CW/CCW (METRIC)	1		
	11500730	BOLT, M10 X 1.5 X 110 MM (12.9001)	1		
	5131433	WASHER, 4.1"X.81"X.14" THK. (1.5001)	2		
	11500192	LOCKWASHER, M10 (12.9200)	1		
	11501052	NUT, M10X1.5 (12.9120)	1		
		* NOT SERVICED BY DDA.			
		7.1440 - FAN, GENERATOR			
	1970765	* FAN (INCLUDES BAFFLE)	1		
		* NOT SERVICED BY DDA.			
		7.1500 - PULLEY, GENERATOR			
1A	**5132527**	PULLEY, 2.76" DIA. 2 GROOVES	1		
		7.1575 - BELT, GENERATOR DRIVE			
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" OR "POLY-VEE" ARE "PREMINUM" POLYESTER BELTS.			
	5133175	BELT SET (2 BELTS 39" L.X.380" W)	1		
		7.1580 - STRAP, GENERATOR ADJUSTING			
1A	**5103769**	STRAP	1		
1A	**5147006**	STRAP			1
	179838	BOLT, 3/8"-16X7/8" (12.9001)			1
	11500869	BOLT, M8X1.25X35.0MM (12.9001)	1		
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1		
	5121403	WASHER, 21/64"X1"X3/16" (3.4080)	1		
	103341	WASHER, 3/8" (12.9190)	1		
	11500191	LOCKWASHER, M8 (12.9200)	1		
	103321	LOCKWASHER, 3/8" (12.9200)	1		
	178551	LOCKWASHER, 3/8" (12.9215)			1
		7.1595 - BRACKET, GENERATOR MOUNTING			
	8921618	BRACKET (R.H.) (METRIC)	1		
	5147007	BRACKET (R.H.)		1	1
	5137947	BUSHING	1		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	3		
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		3	3
	178551	LOCKWASHER, 3/8" (12.9215)		3	3
	103321	LOCKWASHER, 3/8" (12.9200)	3		

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7.1000A BATTERY, CHARGING GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2127	2128	2133
		7.1630 - WIRE ASSY., GENERATOR TO REGULATOR			
	5100420	WIRE ASSY. (INCLUDES RECTIFIER)	1		
	11504530	LOCKNUT, M6 (12.9120)	1		

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 20	24	34	34	35	170	174	178	180	188	190	200	204	205
		7.3001 - MOTOR ASSY., STARTING														
		FOR TYPE 15 USE TYPE 348. FOR TYPE 141 USE TYPE 210. NOTE: SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THRU AC DELCO.														
3A	**1113908**	* MOTOR ASSY.,32V. CW. INSL. SPRAG.	1													
3A	**1113846**	* MOTOR ASSY.,12V. CW. INSL. SPRAG.		1												
3A	**1113856**	* MOTOR ASSY., 24V. C.C.W. INSL. SPRAG			1											
3A	**1113905**	* MOTOR ASSY., 12V. CW. INSL. SPRAG.					1									
3A	**1113236**	* MOTOR ASSY., 12V., C.W., GRD. SPRAG						1								
3A	**1113216**	* MOTOR ASSY., 12V., C.W., GRD. SPRAG							1							
3A	**1108654**	* MOTOR ASSY.,12V. CCW. GRD. SPRAG.								1						
3A	**1113228**	* MOTOR ASSY. 12V. CCW. GRD. SPRAG.									1					
3A	**1113237**	* MOTOR ASSY., 12V., C.W., GRD. SPRAG										1				
3A	**1107524**	* MOTOR ASSY. 12V.CCW. GRD.SPRAG.											1			
3A	**1114896**	* MOTOR ASSY. 12V. C.W. ROLL CLUTCH												1		
3A	**1114927**	* MOTOR ASSY. 12V. C.W. INSL ROLL CLUTCH													1	
3A	**1114079**	* MOTOR ASSY. 12V. C.C.W. INSL. SPRAG														1
3A	**9418228**	BOLT, 5/8"-11X1 3/4", 12 PT. (12.9005)	1	3	3	3	4	3	3	3	3	1	3	1	3	3
3A	**223435**	BOLT, 5/8"-11X1 3/4" (12.9001)	2				2					2		2		
3A	**103325**	LOCKWASHER, 5/8" (12.9200)	3	3	3	3	3		3		3	3		3	3	3
		* NOT SERVICED BY DDA.														
		7.3004 - GASKET, STARTING MOTOR														
3A	**5130995**	GASKET (W/WET FLYWHEEL HOUSING)	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 206	208	208	210	211	212	213	219	222	227	231	234	243	244
		7.3001 - MOTOR ASSY., STARTING														
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THRU AC DELCO.														
3A	**1114921**	* MOTOR ASSY. 24V. C.W. INSL.	1													
3A	**5106714**	# MOTOR ASSY., 24V. C.W. INSL. SPRAG		1												
3A	**1113256**	* MOTOR ASSY. 24V. C W. INSL. SPRAG.				1										
3A	**1113163**	* MOTOR ASSY. 24V. CCW. INSL. SPRAG.					1									
3A	**1113208**	* MOTOR ASSY. (24V., C.W., GRD. SPRAG)						1								
3A	**1113237**	* MOTOR ASSY. (12V., C.W., GRD. SPRAG)							1							
3A	**1114896**	* MOTOR ASSY. 12V. C.W. ROLL CLUTCH								1						
3A	**1113871**	* MOTOR ASSY. 32V. C.W. INSL. SPRAG									1					
3A	**1113870**	* MOTOR ASSY. 32V. C.C.W. INSL. SPRAG										1				
3A	**1113236**	* MOTOR ASSY. (12V., C.W., GRD. SPRAG)											1			
3A	**1113184**	* MOTOR ASSY. (12V., C.W., GRD. SPRAG)												1		
3A	**1113188**	+ MOTOR ASSY. (24V., C.W., GRD. SPRAG)													1	
3A	**1113847**	* MOTOR ASSY. 24V. C.W. INSL. SPRAG														1
3A	**9418228**	BOLT, 5/8"-11X1 3/4", 12 PT. (12.9005)	4	3	2	3	3	3	3	3	3	3	3	1		3
3A	**5131967**	BOLT, 5/8"-11X1 3/4", 12 PT. (12.9001)													3	
3A	**223435**	BOLT, 5/8"-11X1 3/4" (12.9001)												2		
3A	**103325**	LOCKWASHER, 5/8" (12.9200)	3	3	3	2	3	3	3	3	3	3	3	3	3	3
		+ OBSOLETE.														
		# NOT SERVICED BY DDA, PROCURE THRU LEECE NEVILLE CO.														
		7.3004 - GASKET, STARTING MOTOR														
3A	**5130995**	GASKET (W/WET FLYWHEEL HOUSING)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		7.3242 - STRAP, STARTING MOTOR GROUND														
	8920509	STRAP (7.2040)		1	1											
	103342	WASHER, 7/16" (12.9190)		1	1											
	178551	LOCKWASHER, 3/8" (12.9200)		1	1											

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 249	250	253	255	260	270	272	273	293	297	298	299
		7.3001 - MOTOR ASSY., STARTING												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THRU AC DELCO.												
3A	**1107524**	* MOTOR ASSY., 12V. CCW. GRD.SPRAG.	1											
3A	**1113236**	* MOTOR ASSY., 12V., CW, GRD. SPRAG		1		1								
3A	**1114921**	* MOTOR ASSY., 24V. CW. INSL.			1									
3A	**5106713**	# MOTOR ASSY., 24V. CW. ROTATION					1							
3A	**5106714**	# MOTOR ASSY., 24V. CW. INSL. SPRAG.						1						
3A	**1113189**	* MOTOR ASSY., 24V., CW, GRD. SPRAG							1					
3A	**1114052**	* MOTOR ASSY., 1IV. C.W. INSL. SPRAG.								1				
3A	**1113221**	* MOTOR ASSY., 24V. CCW. GRD SPRAG.									1			
3A	**1114856**	* MOTOR ASSY. 24V. C.W. GRD. ROLL CLUTCH										1		
3A	**1114857**	* MOTOR ASSY. 24V. CW. GRD. ROLL CLUTCH											1	
3A	**1114923**	* MOTOR ASSY., 24V., CW. INSL.												1
3A	**5131967**	BOLT, 5/8"-11X1 3/4", 12 PT. (12.9005)		3	3							3	2	
3A	**9418228**	BOLT, 5/8"-11X1 3/4", 12 PT. (12.9005)				3	3	3	3	1	3			1
3A	**223435**	BOLT, 5/8"-11X1 3/4" (12.9001)								2				2
3A	**103325**	LOCKWASHER, 5/8" (12.9200)		3	3	3	3	3	3	3	3	3	2	3
	114505	NUT, 1/2"-13 (12.9120)												1
		# NOT SERVICED BY DDA, PROCURE THRU LEECE NEVILLE CO.												
		7.3004 - GASKET, STARTING MOTOR												
3A	**5130995**	GASKET (W/WET FLYWHEEL HOUSING)	1	1	1	1	1	1	1	1	1	1	1	1
		7.3242 - STRAP, STARTING MOTOR GROUND												
	8920509	STRAP (7.2040)						1						
	5156268	STRAP, GRD. (9 L.) (7.2040)										1	1	1
	186678	BOLT, 3/8"-16X1" (12.9001)										1	1	
	120423	LOCKWASHER, 1/4" (12.9215)						1						
	178551	LOCKWASHER, 3/8" (12.9215)						1				1	1	
	178591	LOCKWASHER, 1/2" (12.9220)												1

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 300	302	303	304	306	307	308	312	313	314	315	324
		7.3001 - MOTOR ASSY., STARTING												
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THRU AC DELCO UNLESS OTHERWISE SPECIFI ED.												
3A	**5106713**	? MOTOR ASSY., 24V. CW. ROTATION (L.N. # M001 7264 MA)	1											
3A	**1113245**	* MOTOR ASSY., 12V., CW. GRD. SPRAG		1										
3A	**1113249**	* MOTOR ASSY., 24V., CW. SUBMERSIBLE			1									
3A	**1114933**	* MOTOR ASSY., 12V. C.W. GRD. ROLL CLUTCH				1								
3A	**5105199**	+ MOTOR ASSY., 12V. C.W. GRD.					1							
3A	**1113250**	* MOTOR ASSY., 24V. C.W. GRD.						1						
3A	**5105109**	% MOTOR ASSY., 12V. C.C.W. GRD. (WAPSA 1-880V)							1					
3A	**5105096**	+ MOTOR ASSY., 12V. C.W. GRD.								1				
3A	**5105125**	+ MOTOR ASSY., 12V. C.W. (R. BOSCH #EL-00090)									1			
3A	**5105126**	# MOTOR ASSY., 12V. C.C.W. (R. BOSCH #EL-00097)										1		
3A	**5105268**	+ MOTOR ASSY., 12V. C.W. GRD. (R. BOSCH #EL-00091)											1	
3A	**1113253**	* MOTOR ASSY., 24V. C.W. GRD. OC.												1
	9418228	BOLT, 5/8"-11 X 1 3/4", 12 PT. (12.9005)	3	3		3	3	3	1	3	3	1	3	3
	223435	BOLT, 5/8"-11 X 1 3/4" (12.9001)							2			2		
	5131967	BOLT, 5/8"-11X1 3/4" 12 P.T. (12.9005)			3			3						
	103325	LOCKWASHER, 5/8" (12.9200)	3	3	3	3	3	3	3	3	3	3	3	2
		% SERVICE THRU D.D.A.												
		+ NOT SERVICED, USE 1113236.												
		# NOT SERVICED, USE 1113228.												
		? NOT SERVICED BY DDA. PROCURE THRU LEECE NEVILLE CO.												
		7.3004 - GASKET, STARTING MOTOR												
	5130995	GASKET (W/WET FLYWHEEL HOUSING)	1	1	1			1						

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7.3000A STARTING MOTOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 325	337	339	342	348
		7.3001 - MOTOR ASSY., STARTING					
		NOTE: SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THRU AC DELCO UNLESS OTHERWISE SPECIFI ED.					
3A	**1990223**	* + MOTOR ASSY., 12V. C.W. INSL. ROLL CLUTCH	1				
3A	**1990224**	* MOTOR ASSY., 12V. C.W. GRD. OL.		1			1
3A	**1990219**	* MOTOR ASSY., 12V. C.W. GRD. ROLL CLUTCH			1		
3A	**1990279**	* MOTOR ASSY., 24V. C.C.W. INSL.				1	
	9418228	BOLT, 5/8"-11X1 3/4", 12 PT. (12.9005)	3	3	2	3	1
	223435	BOLT, 5/8"-11X1 3/4" (12.9001)					2
	103325	LOCKWASHER, 5/8" (12.9200)	3	3	2	3	3
	103030	NUT, 5/8"-18 (12.9120)		3			3
		+ NOT SERVICED, USE 1114927.					
		7.3004 - GASKET, STARTING MOTOR					
	5130995	GASKET (W/WET FLYWHEEL HOUSING)	1	1		1	1

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7.4000A INSTRUMENTS

...G	PART NUMBER	NAME AND DESCRIPTION	TYPES 13	18	24	33	42	97	215	220	229	281	322	333	371
		7.4005 - PANEL, INSTRUMENT													
		A CLUSTER ASSY. INCLUDES PANEL IN 7.4005 PLUS ITEMS IN 7.4015, 7.4020, 7.4060, 7.4070, 7.4072, 7.4080, 7.4082. PANEL ASSYS. 1583452 AND 1583449 INCLUDES PANELS IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4100.													
4A	1582507	PANEL (CLUSTER) (INCLUDES MOUNTING IN 7.4010)						1							1
	1583552	* PANEL (DUAL)							1			1			
	1583551	PANEL								1	1			1	
	6405710	* PANEL ASSY. (DUAL)							1						
	1583452	PANEL ASSY. (DUAL)							1			1			
	1583449	PANEL ASSY.												1	
	1586206	* CLUSTER ASSY. (NO TEMPERATURE GAGE)						1							1
		* NOT SERVICED; COMPONENTS ARE AVAILABLE.													
		7.4010 - MOUNTING, INSTRUMENT PANEL													
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)						AR							AR
		7.4015 - AMMETER, BATTERY CHARGING													
		INCLUDES CLAMP IN 7.4020.													
4A	6474062	AMMETER (60 AMP.)		1	1		1	1	2	1	1	2	1	1	1
	120217	LOCKWASHER, #10 (12.9200)		AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)		AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
		7.4020 - CLAMP, AMMETER													
	8921716	CLAMP		2											
	6460429	= CLAMP			AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
	5101141	CLAMP		AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
		= OBSOLETE													
		7.4060 - TACHOMETER													
		INCLUDES CLAMP IN 7.4065. ADAPTOR KIT INCLUDES RED. ADAPTOR AND KEY, NOT SOLD SEPARATELY, TO CONVERT FROM 7/8" TO 5/8" TACH. DRIVE.													
4A	1536865	# TACHOMETER (C.W., 2500 RPM) (5658115)				1									
4A	1549866	# TACHOMETER (C.W., 3500 RPM) (5658119)							2	1	1		1		

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13	18	24	33	42	97	215	220	229	281	322	333	371
		7.4060 - TACHOMETER (CONT'D)													
4A	1548429	TACHOMETER (C.W., 4000 RPM)										2		1	
	6479007	ADAPTOR KIT, TACHOMETER				AR			AR	AR	AR	AR	AR	AR	
	120385	WASHER, #10 (12.9190)				AR									
	103341	WASHER, 3/8" (12.9190)				AR									
	120217	LOCKWASHER, #10 (12.9200)				AR			AR	AR	AR	AR	AR	AR	
	120614	NUT, #10-32 (12.9120)				AR			AR	AR	AR	AR	AR	AR	
		# NOT SERVICED; USE PART NO. IN PARENTHESES PLUS (1) 6479007 ADAPTOR KIT.													
		7.4061 - ADAPTOR, TACHOMETER MOUNTING													
4A	5123740	ADAPTOR				1									
		7.4063 - RETAINER, TACHOMETER (INCLUDES ITEMS IN 7.4064)													
4A	5148776	RETAINER ASSY.				1									
	436537	SCREW, #8-32X7/8"				3									
	106496	LOCKWASHER, #8 (12.9200)				3									
	103092	NUT, #8-32 (12.9120)				3									
		7.4064 - MOUNTING, TACHOMETER													
	5146253	MOUNTING ASSY. (ANTI-VIBRATION)				3									
		7.4065 - CLAMP, TACHOMETER													
	1535062	CLAMP							2	1	1	2	1	1	
		7.4070 - GAGE, OIL PRESSURE													
		INCLUDES CLAMP IN 7.4072.													
4A	6463499	GAGE, 80# (RESTRICTED)		1	1		1	1	2	1	1	3	1		
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)			1		1	1							1
	125620	CONNECTOR, 1/4" FL. TUBE (12.9380)		AR											
	120217	LOCKWASHER, #10 (12.9200)		AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)		AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)													
		INCLUDES CLAMP IN 7.4072.													
4E	6463500	GAGE, 450# (RESTRICTED)							2	1	1	2	1	1	
	120217	LOCKWASHER, #10 (12.9200)							AR	AR	AR	AR	AR	AR	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13	18	24	33	42	97	215	220	229	281	322	333	371
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER) (CONT'D)													
	120614	NUT, #10-32 (12.9120)							AR	AR	AR	AR	AR	AR	
		7.4072 - CLAMP, OIL PRESSURE GAGE													
	5101141	CLAMP (7.4020)			AR		AR	AR	AR	AR	AR	AR	AR	AR	
	1505244	# CLAMP			AR		AR	AR	AR	AR	AR	AR	AR	AR	
		# OBSOLETE													
		7.4080 - GAGE, WATER TEMPERATURE													
		INCLUDES 5101141 CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.													
4A	6490562	GAGE (4' CAPILLARY)													1
4A	6490966	GAGE (6' CAPILLARY)					1								
4A	6490557	GAGE (15' CAPILLARY)			1			1	2	1		2	1	1	
4A	6490558	GAGE (30' CAPILLARY)									1				
4A	6490563	GAGE (6' CAPILLARY)		1											
	5114551	TAG, CABLE (7.4545)		AR	AR		AR	AR					AR		AR
	120217	LOCKWASHER, #10 (12.9200)		AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)		AR	AR		AR	AR	AR	AR	AR	AR	AR	AR	AR
		7.4082 - CLAMP, WATER TEMPERATURE GAGE													
	5101141	CLAMP (7.4020)			AR		AR	AR	AR	AR	AR	AR	AR	AR	
	1505244	@ CLAMP (7.4072)			AR		AR	AR	AR	AR	AR		AR	AR	
	1501207	@ CLAMP (7.4072)							AR			AR			AR
		@ OBSOLETE.													
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE													
	859151	% ADAPTOR			1		1	1	2	1	1	2	1	1	1
		% OBSOLETE.													
		7.4100 - LAMP, INSTRUMENT PANEL													
	127934	BULB, 12-16V., 3 C.P. LAMP (12.9520)							5	3	3	5		3	
	6459359	SOCKET ASSY. (7.4105)							5	3	3	5		3	
		7.4115 - SWITCH, ENGINE STARTING													
4A	1996097	* SWITCH			1		1	1	2	1	1	2	1	1	1
	1567238	PLATE, NAME													1
		* NOT SERVICED BY DDA. PROCURE THRU AC DELCO.													

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 13	18	24	33	42	97	215	220	229	281	322	333	371
		7.4118 - METER, HOUR													
	5144665	METER (12V.)	1												
		7.4125 - SWITCH, OIL PRESSURE													
	5100673	SWITCH	1												
	120217	LOCKWASHER, #10 (12.9200)	2												
	120614	NUT, #10-32 (12.9120)	2												

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7.4000A INSTRUMENTS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 372	373	374	382	390	393	405	406	407	408	409
		7.4005 - PANEL, INSTRUMENT											
		A CLUSTER ASSY. INCLUDES PANEL IN 7.4005 PLUS ITEMS IN 7.4015, 7.4020, 7.4060, 7.4070, 7.4072, 7.4080, 7.4082. PANEL ASSYS. 1583452 AND 1583449 INCLUDE PANELS IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4100.											
4A	1582507	PANEL (CLUSTER) (INCLUDES MOUNTING IN 7.4010)	1	1	1					1			1
	5125225	PANEL (CLUSTER MOUNTING)								1			
	5125226	PANEL (CLUSTER MOUNTING)											1
	5123435	PANEL ASSY. (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)						1	1		1	1	
	1586206	* CLUSTER ASSY. (NO TEMPERATURE GAGE)	1	1	1					1			1
	5123466	PLUG, RUBBER BUMPER						2	2		2	2	
	5172806	SPACER, 17/32" X 7/8" X 1 3/4" (4.2460)								2			2
	132768	SCREW, #8-32X3/4" (12.9025)						2	2	AR	AR	2	AR
	186656	BOLT, 1/2"-13X2 3/4" (12.9001)								2			2
	5155935	WASHER (7.8410)						2	2		2	2	
	106496	LOCKWASHER, #8 (12.9200)						2	2	AR	AR	2	AR
	103323	LOCKWASHER, 1/2" (12.9200)								AR			AR
	120622	NUT, #8-32 (12.9120)						2	2	AR	AR	2	AR
		* NOT SERVICED; COMPONENTS ARE AVAILABLE.											
		7.4010 - MOUNTING, INSTRUMENT PANEL											
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)	AR	AR	AR			AR	AR	AR	AR	AR	AR
		7.4012 - COVER, INSTRUMENT PANEL											
	5124258	COVER						1	1		1	1	
	132760	BOLT, #8-32X1 1/2" (12.9025)						2	2		2	2	
	106496	LOCKWASHER, #8 (12.9200)						2	2		2	2	
	120622	NUT, #8-32 (12.9120)						2	2		2	2	
		7.4013 - SUPPORT, INSTRUMENT PANEL											
	5126927	BRACKET								1			1
	5167714	SPACER, 17/32" I.D. X 7/8" O.D. X 3/32" (1.7250)								1			1
	186618	BOLT, 5/16"-18X5/8" (12.9001)								1			1
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)								1			1
	103320	LOCKWASHER, 5/16" (12.9200)								1			1
	120376	NUT, 5/16"-18 (12.9120)								1			1

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 372	373	374	382	390	393	405	406	407	408	409
		7.4015 - AMMETER, BATTERY CHARGING											
		INCLUDES 5101141 CLAMP IN 7.4020.											
4A	6474062	AMMETER (60 AMP.)	1			1							
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR		AR	AR		AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR	AR	AR	AR		AR	AR		AR	AR	AR
		7.4020 - CLAMP, AMMETER											
	5101844	CLAMP	2										
	6460429	= CLAMP	AR	AR	AR	AR		AR	AR		AR	AR	AR
	5101141	CLAMP	AR	AR	AR	AR		AR	AR		AR	AR	AR
		= NOT SERVICED; CUSTOMER TO FABRICATE.											
		7.4060 - TACHOMETER											
		INCLUDES CLAMP IN 7.4065. ADAPTOR KIT INCLUDES RED. ADAPTOR AND KEY, NOT SOLD SEPARATELY, TO CONVERT FROM 7/8" TO 5/8" TACH. DRIVE.											
4A	1536865	# TACHOMETER (C.W., 2500 RPM) (5658115)				1							
4A	1549030	# TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5658116)					1						
	6479007	ADAPTOR KIT, TACHOMETER				AR							
	120385	WASHER, #10 (12.9190)					AR						
	103341	WASHER, 3/8" (12.9190)					AR						
	120217	LOCKWASHER, #10 (12.9200)				AR	AR						
	120614	NUT, #10-32 (12.9120)				AR	AR						
		# NOT SERVICED; USE PART NO. IN PARENTHESES PLUS (1) 6479007 ADAPTOR KIT.											
		7.4061 - ADAPTOR, TACHOMETER MOUNTING											
4A	5123740	ADAPTOR					1						
		7.4063 - RETAINER, TACHOMETER (INCLUDES ITEMS IN 7.4064)											
4A	5148776	RETAINER ASSY.					1						
	436537	SCREW, #8-32X7/8"					3						
	106496	LOCKWASHER, #8 (12.9200)					3						
	103092	NUT, #8-32 (12.9120)					3						

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7.4000A INSTRUMENTS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 372	373	374	382	390	393	405	406	407	408	409				
		7.4064 - MOUNTING, TACHOMETER															
	5146253	MOUNTING ASSY. (ANTI-VIBRATION)					3										
		7.4065 - CLAMP, TACHOMETER															
	1535062	% CLAMP				1											
		% OBSOLETE.															
		7.4070 - GAGE, OIL PRESSURE															
		INCLUDES CLAMP IN 7.4072.															
4A	6463499	GAGE (80#)	1	1	1		1	1		1	1	1					
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)		1	1	1		1									
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR		AR	AR		AR	AR	AR				
	120614	NUT, #10-32 (12.9120)	AR	AR	AR	AR		AR	AR		AR	AR	AR				
		7.4072 - CLAMP, OIL PRESSURE GAGE															
	5101141	CLAMP (7.4020)	AR	AR	AR	AR	AR	AR			AR	AR	AR	AR			
	1505244	@ CLAMP	AR	AR	AR	AR	AR	AR			AR	AR	AR	AR			
	1501207	@ CLAMP						1			1	1	1				
		@ OBSOLETE.															
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE															
	5119366	TUBE ASSY. (3/16"X11" FLEX.)						1				1	1				
	5114460	TUBE ASSY. (3/16"X32" FLEX.)							1								
	5183595	TUBE ASSY. (3/16"X16" FLEX.)									1						
	5125792	TUBE ASSY. (1/4"X8.5" DEV. L.)										1					
	5182880	TUBE ASSY. (3/16"X10 1/4" FLEX.)											1				
	9432337	+ CONNECTOR, 1/8" PIPE (12.9460)							1			1					
	187374	COUPLING, 1/8" PIPE (12.9580)									1						
	1508350	FITTING, 1/8" RESTRICTED									1		1				
	442321	# FITTING, 7/16"X1/8" RESTRICTED							1			1					
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9590)							1		1	1					
	225810	ELBOW, 1/4" INV. FL. TUBE X 1/8" P.T. 90 DEG. (12.9480)						1			1						
	118753	ELBOW, 1/4" FL. TUBE X 1/8" P.T. 90 DEG. (12.9390)										1					
	127887	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)	1														
	105406	NIPPLE, 1/8"X1 1/2" PIPE (12.9560)									1						
		+ USE WITH RESTRICTED GAGE.															
		# USE WITH NON-RESTRICTED GAGE.															
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE															
	140580	CLIP (12.9630)							1								
	5177623	CLIP (2.5120)							1				1				
	5178450	CLIP (2.5220)									1						

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 372	373	374	382	390	393	405	406	407	408	409
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE (CONT'D)											
	5163442	CLIP (2.9428)										1	
		7.4080 - GAGE, WATER TEMPERATURE											
		INCLUDES 5101141 CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.											
4A	**6490561**	GAGE (2' CAPILLARY)						1	1		1	1	
4A	**6490562**	GAGE (4' CAPILLARY)								1			
4A	**6490563**	GAGE (6' CAPILLARY)	1										1
4A	**6490565**	GAGE (10' CAPILLARY)		1									
4A	**6490557**	GAGE (15' CAPILLARY)			1	1							
	5107637	* GAGE (74.80" CAPILLARY)	1										
	5114551	TAG, CABLE (7.4545)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
		* OPTIONAL.											
		7.4082 - CLAMP, WATER TEMPERATURE GAGE											
	5101141	CLAMP (7.4020)		AR	AR	AR							
	1505244	* CLAMP (7.4072)		AR	AR	AR							
	1501207	* CLAMP (7.4072)	AR					AR	AR	AR	AR	AR	AR
	5163538	CLIP (3/16" TUBE) (7.8320)											5
	5155464	BRACKET, CLIP (7.1582)											1
	179838	BOLT, 3/8"-16X7/8" (12.9001)											2
	103321	LOCKWASHER, 3/8" (12.9200)											2
	102635	NUT, 3/8"-16 (12.9120)											2
		* OBSOLETE											
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE											
	859151	% ADAPTOR	1	1	1	1		1	1	1	1	1	1
		% OBSOLETE.											
		7.4115 - SWITCH, ENGINE STARTING											
4A	**1996097**	* SWITCH	1	1	1			1	1	1	1	1	1
	1567238	PLATE, NAME	1	1	1			1	1	1	1	1	1
		* NOT SERVICED BY DDA. PROCURE *THRU AC DELCO.*											

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7.4000A INSTRUMENTS

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4111	4112	4114	4115	4116	4118	4125	4127	4128	4129	4131	4133
		7.4005 - PANEL, INSTRUMENT												
	1582507	PANEL (INCLUDES MOUNTING IN 7.4010)			1								1	
	5125226	PANEL (CLUSTER MOUNTING)											1	
	5127980	PANEL												1
	5123435	PANEL ASSY. (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)	1	1							1	1		
	1582505	= CLUSTER ASSY. (2' CAPILLARY)			1									
	1586206	= CLUSTER ASSY. (NO TEMPERATURE GAGE)											1	
	5172806	SPACER, 17/32"X7/8"X1 3/4" (4.2460)											2	
	5123466	PLUG, RUBBER BUMPER	2	2							2	2		
	132768	SCREW, #8-32X3/4" (12.9025)	AR	AR							AR	AR	AR	
	186656	BOLT, 1/2"-13X2 3/4" (12.9001)											2	
	5155935	WASHER (7.8410)	2	2							2	2		
	106496	LOCKWASHER, #8 (12.9200)	AR	AR							AR	AR	AR	
	103323	LOCKWASHER, 1/2" (12.9200)											2	
	120622	NUT, #8-32 (12.9120)	AR	AR							AR	AR	AR	
		= NOT SERVICED; USE COMPONENTS.												
		7.4010 - MOUNTING, INSTRUMENT PANEL												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)	AR	AR	AR						AR	AR	AR	
		7.4012 - COVER, INSTRUMENT PANEL												
	5124258	COVER	1	1							1	1		
	132760	BOLT, #8-32X1 1/2" (12.9025)	2	2							2	2		
	106496	LOCKWASHER, #8 (12.9200)	2	2							2	2		
	120622	NUT, #8-32 (12.9120)	2	2							2	2		
		7.4013 - SUPPORT, INSTRUMENT PANEL												
	5126927	BRACKET											1	
	5128134	BRACKET												1
	5167714	SPACER, 17/32" I.D. X 7/8" O.D. X 3/32"											AR	
	3290822	SPACER, 63/64" I.D. X 7/8" O.D. X 1/4"											AR	
	186618	BOLT, 5/16"-18X5/8" (12.9001)											1	
	181360	BOLT, 3/8"-24X3/4" (12.9001)												1
	186627	BOLT, 3/8"-24X1" (12.9001)												1
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)											1	
	103320	LOCKWASHER, 5/16" (12.9200)											1	
	103321	LOCKWASHER, 3/8" (12.9200)												6
	120376	NUT, 5/16"-18 (12.9120)											1	
	117049	NUT, 3/8"-24 (12.9120)												6
		7.4015 - AMMETER, BATTERY CHARGING												
		INCLUDES 5101141 CLAMP IN 7.4020.												
4A	6474062	AMMETER (60 AMP.)	1	1	1			1			1	1	1	
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR			AR			AR	AR	AR	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 411	412	414	415	416	418	425	427	428	429	431	433
		7.4015 - AMMETER, BATTERY CHARGING (CONT'D)												
	120614	NUT, #10-32 (12.9120)	AR	AR	AR			AR			AR	AR	AR	
		7.4020 - CLAMP, AMMETER												
	6460429	= CLAMP	AR	AR	AR			AR			AR	AR	AR	
	5101141	CLAMP	AR	AR	AR			AR			AR	AR	AR	
		= OBSOLETE												
		7.4060 - TACHOMETER												
		A TACH. INCLUDES CLAMP IN 7.4065. A KIT INCLUDES RED. ADAPTOR AND KEY, TO CONVERT 7/8" TO 5/8" TACH.DRIVE.												
4A	**1549031**	# TACHOMETER (C.C.W., 3500 RPM) (WITH HOURMETER) (5657274)				1								
4A	**1549030**	# TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5658116)					1		1					
4A	**1549866**	# TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5658119)						1						
	6479007	ADAPTOR KIT, TACHOMETER				AR	AR	AR	AR					
	120385	WASHER, #10 (12.9190)				AR								
	103341	WASHER, 3/8" (12.9190)				AR								
	120217	LOCKWASHER, #10 (12.9200)				AR	AR	AR	AR					
	120614	NUT, #10-32 (12.9120)				AR	AR	AR	AR					
		# NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 6479007 ADAPTOR KIT.												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A	**5123740**	ADAPTOR				1								
		7.4063 - RETAINER, TACHOMETER (INCLUDES ITEMS IN 7.4064)												
4A	**5148776**	RETAINER ASSY.				1								
	436537	SCREW, #8-32X7/8"				3								
	106496	LOCKWASHER, #8 (12.9200)				3								
	103092	NUT, #8-32 (12.9120)				3								
		7.4064 - MOUNTING, TACHOMETER												
	5146253	MOUNTING ASSY. (ANTI-VIBRATION)				3								

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7.4000A INSTRUMENTS

	PART NUMBER	NAME AND DESCRIPTION	TYPES 411	412	414	415	416	418	425	427	428	429	431	433
		7.4065 - CLAMP, TACHOMETER												
	1535062	CLAMP					AR	AR	AR					
	5101141	CLAMP (7.4020)					AR	AR	AR					
		7.4070 - GAGE, OIL PRESSURE												
		INCLUDES CLAMP IN 7.4072.												
4A	6463499	GAGE, 80# (RESTRICTED)	1	1	1			1			1	1	1	1
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)											1	
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR			AR			AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR	AR	AR			AR			AR	AR	AR	AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
		INCLUDES 1503496 CLAMP IN 7.4072.												
	6463500	GAGE, 200# (RESTRICTED)						1						
	120217	LOCKWASHER, #10 (12.9200)						AR						
	120614	NUT, #10-32 (12.9120)						AR						
		7.4072 - CLAMP, OIL PRESSURE GAGE												
	1501207	+ CLAMP	1	1							1	1	1	
	5101141	CLAMP (7.4020)	AR	AR	AR			AR			AR	AR	AR	AR
	1505244	+ CLAMP			AR			AR						AR
	5185505	MOUNT (ANTI-VIBRATION) (7.4064)												1
	112871	SCREW, #6-32X5/16" (12.9025)												3
	131044	LOCKWASHER, #6 (12.9200)												3
		+ OBSOLETE.												
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE												
	5125791	TUBE ASSY. (1/4"X5.3" DEV. L.)	1											
	5125790	TUBE ASSY. (1/4"X5.34" DEV. L.)		1										
	5125795	+ TUBE (1/4"X6.8" DEV. L.)										1		
	5114460	TUBE ASSY. (3/16"X32" FLEX.)									1			
	5129867	# HOSE, 1/4" X 26 3/4" L. (7.4075)												1
	5129867	# HOSE, 1/4" X 35" L. (7.4075)												1
	5119366	HOSE ASSY. (3/16"X11" FLEX.)	1	1								1	1	
	5182881	HOSE ASSY. (3/16"X14"L.)											1	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 411	412	414	415	416	418	425	427	428	429	431	433
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE (CONT'D)												
	1508350	FITTING, 1/8" RESTRICTED		1								1	1	
	5114048	FITTING (2.5217)												4
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1								1			1
	225810	ELBOW, 1/8"X1/4" P.T. 90 DEG. (12.9480)		1							1	1		
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)											1	
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)												2
	118753	ELBOW, 1/4"-90 DEG. FL. (12.9390)	1	1								1		
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)												1
	442321	= CONNECTOR, 1/8" P.T., 1/4" INV. FL. TUBE (12.9460)	2								1			3
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		+ OBSOLETE												
		= USE W/RESTRICTED GAGE.												
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5163442	CLIP (2.9428)	1	1										
	3290442	CLIP (7.4085)										1		
	5167510	CLIP (7.8350)											1	
	5151108	CLIP (12.4095)												2
	5177623	CLIP (2.5120)												1
	5155464	BRACKET, CLIP (7.1582)		1										
	5110692	SPACER (3.3060)										1		
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									1			
	179812	BOLT, 5/16"-18X1 1/2" (12.9001)		1										
	179838	BOLT, 3/8"-16X5/8" (12.9001)									1			
	120393	WASHER, 5/16" (12.9190)										1		
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	103321	LOCKWASHER, 3/8" (12.9200)									1			
	120376	NUT, 5/16"-18 (12.9120)		1										
		7.4080 - GAGE, WATER TEMPERATURE												
		INCLUDES CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.												
4A	6490561	GAGE (2' CAPILLARY)	1	1							1	1		
4A	6490966	GAGE (6' CAPILLARY)											1	
4A	1513559	* GAGE (6' CAPILLARY)												1
4A	6490558	GAGE (30' CAPILLARY)						1						
	5114551	TAG, CABLE (7.4545)	AR	AR	AR			AR			AR	AR	AR	AR

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7.4000A INSTRUMENTS

PART NUMBER	NAME AND DESCRIPTION	TYPES 411	412	414	415	416	418	425	427	428	429	431	433
	7.4080 - GAGE, WATER TEMPERATURE (CONT'D)												
120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR			AR			AR	AR	AR	AR
120614	NUT, #10-32 (12.9120)	AR	AR	AR			AR			AR	AR	AR	AR
	* OBSOLETE												
	7.4082 - CLAMP, WATER TEMPERATURE GAGE												
1501207	+ CLAMP (7.4072)	AR	AR							AR	AR	AR	
1505244	+ CLAMP (7.4072)	AR	AR	AR			AR			AR	AR	AR	AR
5101141	CLAMP (7.4020)	AR	AR	AR			AR			AR	AR	AR	AR
5185505	MOUNT (ANTI-VIBRATION) (7.4064)												1
5163538	CLIP (7.8320)											5	1
5155464	BRACKET, CLIP (7.1582)											1	
112871	SCREW, #6-32X5/16" (12.9025)												3
179838	BOLT, 3/8"-16X7/8" (12.9001)											2	
103321	LOCKWASHER, 3/8" (12.9290)											2	
131044	LOCKWASHER, #6 (12.9200)												3
102635	NUT, 3/8"-16 (12.9120)											1	
	+ OBSOLETE.												
	7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
859151	+ ADAPTOR	1	1	1			1			1	1	1	1
	+ OBSOLETE.												
	7.4091 - GAGE, FUEL PRESSURE												
6463359	GAGE												1
120217	LOCKWASHER, #10 (12.9200)												2
120614	NUT, #10-32 (12.9120)												2
	7.4093 - CLAMP, FUEL PRESSURE GAGE												
1505244	% CLAMP (7.4072)												1
5185505	MOUNT (ANTI-VIBRATION) (7.4064)												1
112871	SCREW, #6-32 (12.9025)												3
131044	LOCKWASHER, #6 (12.9200)												3
	% OBSOLETE.												
	7.4115 - SWITCH, ENGINE STARTING												
4A 1996097	* SWITCH	1	1	1			1		1	1	1	1	1
1567238	PLATE, NAME	1	1	1					1	1	1	1	1
	* NOT SERVICED BY DDA. PROCURE THRU AC DELCO.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 411	412	414	415	416	418	425	427	428	429	431	433
	7.4118 - METER, HOUR													
	5129049	METER (120V., 60 CYCLE)												1
	5128994	MOUNT												1
	132696	SCREW, #6-32X3/8" (12.9025)												3
	117626	SCREW, #4-40X5/16" (12.9025)												3
	131043	LOCKWASHER, #4 (12.9200)												3
	131044	LOCKWASHER, #6 (12.9200)												3

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7.4000A INSTRUMENTS

	PART NUMBER	NAME AND DESCRIPTION	TYPES 436	437	438	442	448	455	458	469	470
		7.4005 - PANEL, INSTRUMENT									
		NOTE: TYPE 436 INCLUDES ITEMS IN 7.4000B TYPE 245.									
	1583552	PANEL (DUAL LIGHTED)	1		1				1		
	1583551	PANEL								1	
	5123435	PANEL ASSY. (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)						1			
	6497198	# PANEL ASSY. (DUAL ELECTRIC)	1								
	5123466	PLUG, RUBBER BUMPER						2			
	132768	SCREW, #8-32X3/4" (12.9025)						AR			
	5155935	WASHER (7.8410)						2			
	106496	LOCKWASHER, #8 (12.9200)						AR			
	120622	NUT, #8-32 (12.9120)						AR			
		# INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4135.									
		7.4010 - MOUNTING, INSTRUMENT PANEL									
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)						AR			
		7.4012 - COVER, INSTRUMENT PANEL									
	5124258	COVER						1			
	132760	BOLT, #8-32X1 1/2" (12.9025)						2			
	106496	LOCKWASHER, #8 (12.9200)						2			
	120622	NUT, #8-32 (12.9120)						2			
		7.4015 - AMMETER, BATTERY CHARGING									
		INCLUDES 5101141 CLAMP IN 7.4020.									
4A	6474062	AMMETER (60 AMP.)	2		2	1		1	1		1
4A	1502346	+ AMMETER (60 AMP.)								2	
	120217	LOCKWASHER, #10 (12.9200)	AR		AR	AR		AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR		AR	AR		AR	AR	AR	AR
		+ OBSOLETE.									
		7.4020 - CLAMP, AMMETER									
	6460429	= CLAMP	AR		AR	AR		AR	AR	AR	AR
	5101141	CLAMP	AR		AR	AR		AR	AR	AR	AR
		= OBSOLETE.									
		7.4060 - TACHOMETER									
		A TACH. INCLUDES CLAMP IN 7.4065. A KIT INCLUDES RED. ADAPTOR AND KEY, TO CONVERT 7/8"TO 5/8" TACH DRIVE.									

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 436	437	438	442	448	455	458	469	470
		7.4060 - TACHOMETER (CONT'D)									
4A	**1549265**	TACHOMETER (3500 RPM) (WITH HOURMETER, ELECTRIC)	2								
4A	**1536865**	# TACHOMETER (C.W., 2500 RPM) (5658115)		1							
4A	**5658118**	TACHOMETER (C.W., 4000 RPM)			2	1			1		1
4A	**1549045**	# TACHOMETER (C.W., 3500 RPM) (5658118)					1				
4A	**1549866**	# TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5658119)								2	
	6479007	ADAPTOR KIT, TACHOMETER		AR			AR			AR	
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR	AR		AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR	AR	AR	AR	AR		AR	AR	AR
		# NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 6479007 ADAPTOR KIT.									
		7.4062 - DRIVE UNIT, TACHOMETER									
	1548005	% DRIVE UNIT (ELECTRIC)	2								
	5284621	BOOT	2								
		% NOT SERVICE USE 5657941 TACHOMETER AND 6469711 GENERATOR.									
		7.4065 - CLAMP, TACHOMETER									
	5101141	CLAMP (7.4020)	AR		AR	AR	AR		AR	AR	AR
		7.4070 - GAGE, OIL PRESSURE									
		INCLUDES CLAMP IN 7.4072.									
4A	**6463499**	GAGE, 80# (RESTRICTED)	2		2	1		1	1	2	
	120217	LOCKWASHER, #10 (12.9200)	AR		AR	AR		AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR		AR	AR		AR	AR	AR	AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)									
		INCLUDES 5101141 CLAMP IN 7.4072.									
	6463500	GAGE, 200# (RESTRICTED)	2		2	1			1	2	1
	120217	LOCKWASHER, #10 (12.9200)	AR		AR	AR			AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR		AR	AR			AR	AR	AR

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7.4000A INSTRUMENTS

	PART NUMBER	NAME AND DESCRIPTION	TYPES 436	437	438	442	448	455	458	469	470
		7.4072 - CLAMP, OIL PRESSURE GAGE									
	1501207	+ CLAMP						1			
	5101141	CLAMP (7.4020)	AR		AR	AR		AR	AR	AR	AR
	1505244	+ CLAMP	AR		AR	AR			AR	AR	AR
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE									
	5182882	HOSE ASSY. (3/16"X20 1/2"L.)						1			
	442321	= CONNECTOR, 1/8" PIPE (12.9460)						1			
		= USE W/RESTRICTED GAGE.									
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE									
	5177623	CLIP (2.5120)						1			
		7.4080 - GAGE, WATER TEMPERATURE									
		INCLUDES CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.									
4A	6490561	GAGE (2' CAPILLARY)						1			
4A	6490557	GAGE (15' CAPILLARY)	2			1				2	
4A	6490558	GAGE (30' CAPILLARY)			2				1		1
	5114551	TAG, CABLE (7.4545)				AR		AR			AR
	120217	LOCKWASHER, #10 (12.9200)	AR		AR	AR		AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR		AR	AR		AR	AR	AR	AR
		7.4082 - CLAMP, WATER TEMPERATURE GAGE									
	1501207	@ CLAMP (7.4072)						AR			
	1505244	@ CLAMP (7.4072)	AR		AR	AR			AR	AR	AR
	5101141	CLAMP (7.4020)	AR		AR	AR		AR	AR	AR	AR
		@ OBSOLETE.									
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE									
	859151	% ADAPTOR	2		2	1		1	1	2	1
		% OBSOLETE.									
		7.4100 - LAMP, INSTRUMENT PANEL									
	127934	BULB, 12-16V., 3 C.P. LAMP (12.9520)	5		5				3	5	
	6459359	WIRE ASSY. (7.4105)	5		5				3	5	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 436	437	438	442	448	455	458	469	470
		7.4115 - SWITCH, ENGINE STARTING									
4A	**1998097**	* SWITCH	2		2	1		1	1	2	1
	1567238	PLATE, NAME						1			
		* PROCURE FROM AC DELCO.									
		7.4125 - SWITCH, OIL PRESSURE									
	6463693	SWITCH	2								
	5100673	* SWITCH	2								
		* OPTIONAL TO 1507359.									
		7.4135 - BLOCK, INSTRUMENT PANEL FUSE									
	1568182	BLOCK ASSY. (INCLUDES FUSE)	2								
	147684	FUSE, 9 AMP. (12.9530)	2								

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7.4000A INSTRUMENTS

PART NUMBER	NAME AND DESCRIPTION	TYPES 472	474	481	487	488	489	507	508	509	510	512	519
7.4005 - PANEL, INSTRUMENT													
1582507	PANEL (INCLUDES MOUNTING IN 7.4010)	1						1	1		1	1	
5125226	PANEL (CLUSTER MOUNTING)	1						1	1		1		
5123435	PANEL (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)						1						
1586206	* CLUSTER ASSY. (NO TEMPERATURE GAGE)	1						1	1		1	1	
5172806	SPACER (4.2460)	2											
5185915	SPACER (11.1072)							2	2		2		
5123466	PLUG, RUBBER BUMPER						2						
132768	SCREW, #8-32X3/4" (12.9025)	AR					AR	AR	AR		AR		
186656	BOLT, 1/2"-13X2 3/4" (12.9001)	2											
186659	BOLT, 1/2"-13X3 3/4" (12.9001)							2	2		2		
5155935	WASHER (7.8410)						2						
106496	LOCKWASHER, #8 (12.9200)	AR					AR	AR	AR		AR		
103323	LOCKWASHER, 1/2" (12.9200)	2						2	2		2		
120622	NUT, #8-32 (12.9120)	AR					AR	AR	AR		AR		
	* NOT SERVICED; COMPONENTS ARE AVAILABLE.												
7.4010 - MOUNTING, INSTRUMENT PANEL													
5193755	MOUNTING ASSY. (ANTI-VIBRATION)	AR					AR	AR	AR		AR	AR	
7.4012 - COVER, INSTRUMENT PANEL													
5124258	COVER						1						
132760	BOLT, #8-32X1 1/2" (12.9025)						2						
106496	LOCKWASHER, #8 (12.9200)						2						
120622	NUT, #8-32 (12.9120)						2						
7.4013 - SUPPORT, INSTRUMENT PANEL													
5126927	BRACKET	1											
5130715	BRACKET							1	1		1		
5167714	SPACER, 17/32" I.D. X 7/8" O.D. X 3/32"	1						1	1		1		
186618	BOLT, 5/16"-18X5/8" (12.9001)	1						1	1		1		
179882	BOLT, 1/2"-13X1 1/8" (12.9001)							1			1		
186725	BOLT, 1/2"-13X1 1/2" (12.9001)	1							1				
103320	LOCKWASHER, 5/16" (12.9200)	1						1	1		1		
120376	NUT, 5/16"-18 (12.9120)	1						1	1		1		
7.4015 - AMMETER, BATTERY CHARGING													
	INCLUDES CLAMP IN 7.4020.												
4A **6474062**	AMMETER (60 AMP.)	1		1		1	1	1	1		1	1	
5109869	= WIRE ASSY.			2									

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 472	474	481	487	488	489	507	508	509	510	512	519
		7.4015 - AMMETER, BATTERY CHARGING (CONT'D)												
	120217	LOCKWASHER, #10 (12.9200)	AR		AR		AR	AR	AR	AR		AR	AR	
	120614	NUT, #10-32 (12.9120)	AR		AR		AR	AR	AR	AR		AR	AR	
		= OBSOLETE.												
		7.4020 - CLAMP, AMMETER												
	6460429	= CLAMP	1		1		1	1	1	1		1	1	
	5101141	CLAMP	AR		AR		AR	AR	AR	AR		AR	AR	
		= OBSOLETE.												
		7.4060 - TACHOMETER												
		INCLUDES CLAMP IN 7.4065. ADAPTOR KIT INCLUDES RED. ADAPTOR AND KEY, NOT SOLD SEPARATELY, TO CONVERT FROM 7/8" TO 5/8" TACH. DRIVE.												
4A	1548432	? TACHOMETER (C.W., 4000 RPM) (5658118)		1										
4A	1549030	? TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5657283)			1									
4A	1549286	? TACHOMETER (C.W., 3500 RPM) (5658118)				1								
4A	1549045	? TACHOMETER (C.W., 3500 RPM) (5658118)									1			
4A	1536865	? TACHOMETER (C.W., 2500 RPM) (5658115)											1	
4A	1536866	? TACHOMETER (C.C.W., 2500 RPM) (5657287)												1
	6479007	ADAPTOR KIT, TACHOMETER			AR								AR	
	120217	LOCKWASHER, #10 (12.9200)		AR	AR	AR					AR			
	120614	NUT, #10-32 (12.9120)		AR	AR	AR					AR			
		? NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 6479007 KIT.												
		7.4065 - CLAMP, TACHOMETER												
	1535062	CLAMP		1	1	1					1			
		7.4070 - GAGE, OIL PRESSURE												
		INCLUDES CLAMP IN 7.4072.												
4A	6463499	GAGE (80#) (RESTRICTED)	1	1	1		1	1	1	1	1	1	1	
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)	1				1		1	1	1	1	1	

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7.4000A INSTRUMENTS

PART NUMBER	NAME AND DESCRIPTION	TYPES 472	474	481	487	488	489	507	508	509	510	512	519
7.4070 - GAGE, OIL PRESSURE (CONT'D)													
120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	
120614	NUT, #10-32 (12.9120)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	
7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)													
	INCLUDES CLAMP IN 7.4072.												
6463500	GAGE (200#) (RESTRICTED)		1	1									
120217	LOCKWASHER, #10 (12.9200)		2	2									
120614	NUT, #10-32 (12.9120)		2	2									
7.4072 - CLAMP, OIL PRESSURE GAGE													
5101141	CLAMP (7.4020)	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR	
1501207	+ CLAMP	1					1	1	1		1	1	
1505244	+ CLAMP		AR	AR		AR				AR			
	+ OBSOLETE.												
7.4074 - TUBE ASSY., OIL PRESSURE GAGE													
5125792	TUBE ASSY. (1/4"X8.50" DEV. L.)						1						
5162733	+ TUBE (1/4"X24"L.)			2									
5182880	HOSE ASSY. (3/16"X10 1/4"L.)	1							1		1		
5119366	HOSE ASSY. (3/16"X11" FLEX.)	1					1	1	1		1		
5182881	HOSE ASSY. (3/16"X14"L.)							1					
1508350	FITTING, 1/8" RESTRICTED	1						1	1		1		
9409943	TEE, 1/8" PIPE (7.4586)								1				
9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)						1						
120401	ELBOW, 1/8"-90 DEG. STREET (12.9590)							1	1		1		
118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)						1						
225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)								1				
442321	* CONNECTOR, 1/4" INV. FL. TUBE (12.9460)						1						
5115214	PLUG, 1/2"-18 (12.9550)							1			1		
	+ OBSOLETE.												
	* USE WITH RESTRICTED GAGE.												
7.4076 - CLIP, OIL PRESSURE GAGE TUBE													
5163442	CLIP (2.9428)						1						
5177623	CLIP (3/8" TUBE) (2.5120)	1						1	1		1		

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 472	474	481	487	488	489	507	508	509	510	512	519
		7.4080 - GAGE, WATER TEMPERATURE												
		INCLUDES CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.												
4A	**6490563**	GAGE (6" CAPILLARY)	1				1					1		
4A	**6490557**	GAGE (15' CAPILLARY)		1				1						
4A	**6490558**	GAGE (30' CAPILLARY)			1									
4A	**6490966**	GAGE (61' CAPILLARY)							1	1			1	
	5114551	TAG, CABLE (7.4545)	AR	AR	AR		AR	AR	AR	AR		AR	AR	
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR		AR	AR	AR	AR		AR	AR	
	120614	NUT, #10-32 (12.9120)	AR	AR	AR		AR	AR	AR	AR		AR	AR	
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
	1501207	+ CLAMP (7.4072)	1						1	1		1	1	
	5101141	CLAMP (7.4020)	AR	AR	AR		AR	AR	AR	AR		AR	AR	
	1505244	+ CLAMP (7.4072)		AR	AR		AR	AR						
	5163538	CLIP (7.8320)	5						5	1		5		
	5155464	BRACKET, CLIP (7.1582)	1						1	1		1		
	179838	BOLT, 3/8"-16X7/8" (12.9001)	2						2	2		2		
	5170490	+ BOLT, 3/8"-24X3 13/16" AA LOCK (12.9001)								2				
	103321	LOCKWASHER, 3/8" (12.9200)	2						2	2		2		
	102635	NUT, 3/8"-16 (12.9120)	1						1	1		1		
		+ OBSOLETE.												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
	859151	+ ADAPTOR	1	1	1		1	1	1	1		1	1	
		+ OBSOLETE.												
		7.4115 - SWITCH, ENGINE STARTING												
4A	**1996097**	* SWITCH	1	1			1	1	1	1		1	1	
	1567238	PLATE, NAME	1					1	1	1		1	1	
		* PROCURE FROM AC DELCO.												

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7.4000A INSTRUMENTS

PART NUMBER	NAME AND DESCRIPTION	TYPES 525	527	532	536	539	553	564	567	568	569	580	587
7.4005 - PANEL, INSTRUMENT													
5123435	PANEL (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)	1					1	1					
1583551	PANEL		1						1				
1583552	PANEL (DUAL)									1	1		
6405709	* PANEL ASSY.		1										
5123466	PLUG, RUBBER BUMPER	2					2	2					
132768	SCREW, #8-32X3/4" (12.9025)	AR					AR	AR					
5155935	WASHER (7.8410)	2					2	2					
106496	LOCKWASHER, #8 (12.9200)	AR					AR	AR					
120622	NUT, #8-32 (12.9120)	AR					AR	AR					
	* NOT SERVICED; COMPONENTS ARE AVAILABLE.												
7.4010 - MOUNTING, INSTRUMENT PANEL													
5193755	MOUNTING ASSY. (ANTI-VIBRATION)	AR					AR	AR					
7.4012 - COVER, INSTRUMENT PANEL													
5124258	COVER	1					1	1					
132760	BOLT, #8-32X1 1/2" (12.9025)	2					2	2					
106496	LOCKWASHER, #8 (12.9200)	2					2	2					
120622	NUT, #8-32 (12.9120)	2					2	2					
7.4015 - AMMETER, BATTERY CHARGING													
	INCLUDES CLAMP IN 7.4020.												
6474062	AMMETER (60 AMP.)	1	1	1	1		1	1	1	2	2	1	
5109869	+ WIRE ASSY.				2								
120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	
120614	NUT, #10-32 (12.9120)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	
	+ OBSOLETE.												
7.4020 - CLAMP, AMMETER													
6460429	= CLAMP	1	1	1			1	1	1	2	2	1	
5101141	CLAMP	AR	AR	AR			AR	AR	AR	AR	AR	AR	
	= OBSOLETE.												
7.4060 - TACHOMETER													
1549866	? TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5658119)		1		1	1			1	2			
1549265	+ TACHOMETER (3500 RPM) (WITH HOUR METER, ELECTRIC)										2		

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 525	527	532	536	539	553	564	567	568	569	580	587
		7.4060 - TACHOMETER (CONT'D)												
	1549031	? TACHOMETER (C.C.W., 3500 RPM) (WITH HOURMETER) (5657274)												1
	6479007	ADAPTOR KIT, TACHOMETER		AR		AR	AR			AR	AR			AR
	120217	LOCKWASHER, #10 (12.9200)		AR		AR	AR			AR	AR	AR		
	120614	NUT, #10-32 (12.9120)		AR		AR	AR			AR	AR	AR		
		? NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 6479007 KIT.												
		+ NOT SERVICED, USE 5657941 AND 646977 GENERATOR.												
		7.4062 - DRIVE UNIT, TACHOMETER												
	1548005	% DRIVE UNIT (ELECTRIC)										2		
	5284621	BOOT										2		
		% NOT SERVICED, USE 5657941 TACHOMETER & 6469711 GENERATOR.												
		7.4065 - CLAMP, TACHOMETER												
	1535062	CLAMP		1		1	1			1	2	2		
		7.4070 - GAGE, OIL PRESSURE												
		INCLUDES CLAMP IN 7.4072.												
4A	6463499	GAGE (80#) (RESTRICTED)	1	1	1	1		1	1	1	2	2	1	
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)			1								1	
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	
	120614	NUT, #10-32 (12.9120)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
		INCLUDES 1503496 CLAMP IN 7.4072.												
	6463500	GAGE (200#) (RESTRICTED)		1		1				1	2	2		
	120217	LOCKWASHER, #10 (12.9200)		AR		2				AR	AR	AR		
	120614	NUT, #10-32 (12.9120)		AR		2				AR	AR	AR		
		7.4072 - CLAMP, OIL PRESSURE GAGE												
	5101141	CLAMP (7.4020)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	
	1501207	+ CLAMP	1					1	1					
	1505244	+ CLAMP		AR	AR	AR				AR	AR	AR	AR	
		+ OBSOLETE.												

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7.4000A INSTRUMENTS

PART NUMBER	NAME AND DESCRIPTION	TYPES 525	527	532	536	539	553	564	567	568	569	580	587
	7.4074 - TUBE ASSY., OIL PRESSURE GAGE												
5114460	TUBE ASSY. (3/16"X32" FLEX.)						1	1					
5125791	TUBE ASSY. (1/4"X5.3" DEV. L.)	1											
5162733	+ TUBE (1/4"X24"L.)				2								
5109271	HOSE ASSY. (3/16"X13 3/4"L.) (12.4065)	1											
9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1					1	1					
118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)	1											
442321	* CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1					1	1					
442328	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" INT. P.T. (12.9460)	1											
	+ OBSOLETE.												
	* USE WITH RESTRICTED GAGE.												
	7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
5163442	CLIP (2.9428)	1											
5177623	CLIP (3/8" TUBE) (2.5120)						1	1					
3290442	CLIP (5/8" TUBE) (7.4085)	1											
179835	BOLT, 3/8"-16X5/8" (12.9001)	1											
103321	LOCKWASHER, 3/8" (12.9200)	1											
	7.4080 - GAGE, WATER TEMPERATURE												
	INCLUDES CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.												
6490561	GAGE (2 1/2" CAPILLARY)	1					1						
6490563	GAGE (6' CAPILLARY)							1				1	
4A 6490557	GAGE (15' CAPILLARY)		1						1	2	2		
4A 6490558	GAGE (30' CAPILLARY)			1	1								
5114551	TAG, CABLE (7.4545)	AR		AR	AR		AR	AR					AR
120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	
120614	NUT, #10-32 (12.9120)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	
	7.4082 - CLAMP, WATER TEMPERATURE GAGE												
1501207	+ CLAMP (7.4072)	1					1	1					
5101141	CLAMP (7.4020)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	
1505244	+ CLAMP (7.4072)		AR	AR	AR				AR	AR	AR	AR	
	+ OBSOLETE.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 525	527	532	536	539	553	564	567	568	569	580	587
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
	859151	+ ADAPTOR	1	1	1	1		1	1	1	2	2	1	
		+ OBSOLETE.												
		7.4100 - LAMP, INSTRUMENT PANEL												
	127934	BULB, 12-16V., 3 CP LAMP (12.9520)		3						3	5	5		
	6459359	WIRE ASSY. (7.4105)		3						3	5	5		
		7.4115 - SWITCH, ENGINE STARTING												
4A	1996097	* SWITCH	1	1	1			1	1	1	2	2		
	1567238	PLATE, NAME						1	1					
		* PROCURE FROM AC DELCO.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 591	603	606	607	609	622	632	633	635	737	738	739
		7.4005 - PANEL, INSTRUMENT												
		A CLUSTER ASSY. INCLUDES PANEL IN 7.4005, PLUS ITEMS IN 7.4015, 7.4020, 7.4060, 7.4070, 7.4072, 7.4080, 7.4082. A PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4100.												
10A	5123435	PANEL (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)				1						1		1
	1582507	PANEL (INCLUDES MOUNTING IN 7.4010)											1	
	1586206	* CLUSTER ASSY. (4' CAPILLARY)											1	
	5123466	PLUG, RUBBER BUMPER (1/2" DIA.)				2						2		2
	132768	SCREW, #8-32X3/4" (12.9025)				2						2		2
	5155935	WASHER, 1 1/8" DIA. (7.8410)				2						2		2
	106496	LOCKWASHER, #8 (12.9200)				AR						AR		AR
	120622	NUT, #8-32 (12.9120)				2						2		2
		* NOT SERVICED; COMPONENTS ARE AVAILABLE.												
		7.4010 - MOUNTING, INSTRUMENT PANEL												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)				AR						AR	AR	AR
		7.4012 - COVER, INSTRUMENT PANEL												
	5124258	COVER				1						1		1
	132760	BOLT, #8-32X1 1/2" (12.9025)				2						2		2
	106496	LOCKWASHER, #8 (12.9200)				2						2		2
	120622	NUT, #8-32 (12.9120)				2						2		2
		7.4015 - AMMETER, BATTERY												
		INCLUDES 5101141 CLAMP IN 7.4020.												
4A	6474038	AMMETER (100 AMP.)		1					1	1	1			
4A	6474062	AMMETER (50 AMP.)				1	1					1	1	1
4A	1502864	+ INDICATOR (BATTERY CHARGING)						1						
	5109869	+ WIRE ASSY.		2					2	2	2			
		+ OBSOLETE.												
		7.4020 - CLAMP, AMMETER												
	5101141	CLAMP		1		1	1					1	1	1
	6460429	+ CLAMP				1	1					1	1	
	5134166	CLAMP												1

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 591	603	606	607	609	622	632	633	635	737	738	739
		7.4020 - CLAMP, AMMETER (CONT'D)												
		+ OBSOLETE.												
		7.4060 - TACHOMETER												
		INCLUDES CLAMP IN 7.4065. ADAPTOR KIT INCLUDES RED. ADAPTOR AND KEY, NOT SOLD SEPARATELY, TO CONVERT FROM 7/8" TO 5/8" TACH. DRIVE.												
4A	**1549286**	# TACHOMETER (C.W., 3500 RPM) (5658118)	1											
4A	**1549866**	# TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5658119)		1					1	1	2			
4A	**1548168**	+ TACHOMETER (C.W., 4000 RPM) (WITH HOURMETER)						1						
	6479007	ADAPTOR KIT, TACHOMETER	AR	AR					AR	AR	AR			
	120217	LOCKWASHER, #10 (12.9200)	AR	AR					AR	AR				
	120614	NUT, #10-32 (12.9120)	AR	AR					AR	AR				
		# NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 6479007 KIT.												
		+ OBSOLETE.												
		7.4065 - CLAMP, TACHOMETER												
	1535062	CLAMP	1	1				1	1	1	1			
		7.4070 - GAGE, OIL PRESSURE												
		INCLUDES CLAMP IN 7.4072.												
4A	**6463499**	GAGE (80#) (RESTRICTED)	1	1	1	1	1		1	1	2	1	1	1
4A	**5654136**	GAGE (24V., ELECTRIC) (120#)						1						
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)	1				1							
	120217	LOCKWASHER, #10 (12.9200)	AR	AR	AR	AR		AR	AR		AR	AR	AR	AR
	120614	NUT, #10-32 (12.9120)	AR	AR	AR	AR		AR	AR		AR	AR	AR	AR
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
		INCLUDES CLAMP IN 7.4072.												
4A	**6463500**	GAGE (400#) (RESTRICTED)		1					1	1				

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7.4000A INSTRUMENTS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 591	603	606	607	609	622	632	633	635	737	738	739
		7.4072 - CLAMP, OIL PRESSURE GAGE												
	1505244	+ CLAMP	AR	AR	AR				AR	AR	AR	AR		
	5101141	CLAMP (7.4020)	AR	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR
	1501207	+ CLAMP				AR	AR					AR	AR	AR
		+ OBSOLETE.												
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE												
	5114460	TUBE ASSY. (3/16"X32"L. FLEX.)				1								1
	5162733	+ TUBE (1/4"I.D.X2.40"L.)		2					2	2	2			
	5125792	TUBE (1/4"I.D.X8.50" DEV. L.)										1		
	5119366	HOSE, 3/16" X 1" FLEX.										1		
	5134530	HOSE, 5/16" I.D. X 15 3/4" L. (7.8300)						1						
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9550)				1						1		1
	118753	ELBOW, 1/4"-90 DEG. FLEX. (12.9480)										1		
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)						1						
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)						1						
	442321	* CONNECTOR, 1/8"-27 P.T. 1/4" INV. FL. TUBE (12.9460)				1						1		1
		+ OBSOLETE.												
		* USE WITH RESTRICTED GAGE.												
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5163442	CLIP, 1/4" DIA. X 3/8" BOLT (2.9428)										1		
	140582	CLIP, 1/2" DIA. X 3/8" BOLT (12.9630)						1						
	5177623	CLIP, 7/8"L.-3/8" BOLT (2.5120)				1								1
		7.4080 - GAGE, WATER TEMPERATURE												
		INCLUDES CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.												
4A	6490561	GAGE (2' CAPILLARY)												1
4A	6490966	GAGE (6' CAPILLARY)				1	1						1	
4A	6490565	GAGE (10' CAPILLARY)										1		
4A	6490557	GAGE (15' CAPILLARY)			1				1		1			
4A	6490558	GAGE (30' CAPILLARY)		1						1	1			
4A	1514223	+ GAGE (ELECTRIC)						1						
	5114551	TAG, CABLE (7.4545)		1		1			1	1	1	1	1	1
	444004	ADAPTOR, 1/2" PIPE (12.9565)			1									
		+ OBSOLETE.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 591	603	606	607	609	622	632	633	635	737	738	739
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
	1505244	+ CLAMP (7.4072)			2	AR						1	AR	AR
	5101141	CLAMP (7.4020)			AR	1						AR	1	1
	1501207	+ CLAMP (7.4072)												
		+ OBSOLETE.												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
	859151	+ ADAPTOR			1	1	1		1	1	1	1	1	1
		+ OBSOLETE.												
		7.4115 - SWITCH, ENGINE STARTING												
4A	1996097	* SWITCH				1		1			1	1	1	1
	1567238	PLATE, NAME				1						1	1	1
		* PROCURE FROM AC DELCO.												
		7.4125 - SWITCH, OIL PRESSURE												
4A	1508144	+ TRANSMITTER						1						
	5133523	BRACKET (7.4670)						1						
	5138152	BRACKET						1						
	448645	SCREW, 1/4"-20 (12.9066)						2						
	179839	BOLT, 3/8"-16X1" (12.9001)						2						
	120380	LOCKWASHER, 1/4" (12.9200)						2						
	103321	LOCKWASHER, 3/8" (12.9200)						2						
		+ OBSOLETE												
		7.4128 - SWITCH, WATER TEMPERATURE												
	6400587	TRANSMITTER						1						

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	754	755	759	760	765	767	776	778	780	783	784
		7.4005 - PANEL, INSTRUMENT												
		A CLUSTER ASSY. INCLUDES PANEL IN 7.4005, PLUS ITEMS IN 7.4015, 7.4020, 7.4060, 7.4070, 7.4072, 7.4080, 7.4082. A PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4100.												
10A	5123435	PANEL (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)					1							
	1582507	PANEL (INCLUDES MOUNTING IN 7.4010)						1	1		1		1	1
	6406140	PANEL									1		1	
	6405709	* PANEL ASSY. (15' CAPILLARY)									1		1	
	1586206	* CLUSTER ASSY. (4' CAPILLARY)						1						
	1582504	* CLUSTER ASSY.							1					
	1583630	* CLUSTER ASSY. (16' CAPILLARY)												1
	5123466	PLUG, RUBBER BUMPER (1/2" DIA.)					2							
	132768	SCREW, #8-32X3/4" (12.9025)					2							
	131979	SCREW, #8-32X3/4" (12.9025)							3					
	132776	SCREW, #8-32X1" (12.9025)												3
	5155935	WASHER, 1 1/8" DIA. (7.8410)					2							
	106496	LOCKWASHER, #8 (12.9200)					AR		AR					
	121841	LOCKWASHER, #8 (12.9200)												3
	120622	NUT, #8-32 (12.9120)					2							
	103092	NUT, #8-32 (12.9120)							AR					3
		* NOT SERVICED; COMPONENTS ARE AVAILABLE.												
		7.4010 - MOUNTING, INSTRUMENT PANEL												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)					AR							
	5175402	ADAPTOR, INSTRUMENT CLUSTER							1					
		7.4012 - COVER, INSTRUMENT PANEL												
	5124258	COVER					1			1				
	132760	BOLT, #8-32X1 1/2" (12.9025)					2			2				
	106496	LOCKWASHER, #8 (12.9200)					2			2				
	120622	NUT, #8-32 (12.9120)					2			2				
		7.4015 - AMMETER, BATTERY												
		INCLUDES 1503496 CLAMP IN 7.4020.												
4A	6474038	AMMETER (100 AMP.)											1	
4A	6474062	AMMETER (50 AMP.)					1							
4A	1502864	+ INDICATOR (BATTERY CHARGING)				1				1				
		+ OBSOLETE.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	754	755	759	760	765	767	776	778	780	783	784
		7.4020 - CLAMP, AMMETER												
	5101141	CLAMP					1							
	5134166	CLAMP					1							
		7.4060 - TACHOMETER												
		INCLUDES CLAMP IN 7.4065. ADAPTOR KIT INCLUDES RED. ADAPTOR AND KEY, NOT SOLD SEPARATELY, TO CONVERT FROM 7/8" TO 5/8" TACH. DRIVE.												
4A	**1549866**	# TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5658119)												1
4A	**1548168**	+ TACHOMETER (C.W., 4000 RPM) (WITH HOURMETER)		1										
4A	**6468424**	TACHOMETER (3500 RPM) (ELECTRIC)	1											
	5158149	SPACER (2.9410)												2
	120217	LOCKWASHER, #10 (12.9200)												AR
	120614	NUT, #10-32 (12.9120)												AR
		# NOT SERVICED; USE PART NUMBER IN PARENTHESES PLUS (1) 6479007 KIT.												
		+ OBSOLETE												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A	**5187601**	ADAPTOR												1
	436537	SCREW, #8-32X7/8" (12.9025)												3
	121841	LOCKWASHER, #8 (12.9200)												3
	103092	NUT, #8-32 (12.9120)												3
		7.4062 - DRIVE UNIT, TACHOMETER												
	6412684	* DRIVE UNIT, ELECTRIC (ENG. SPEED INPUT)	1											
		* NOT SERVICED, USE 6469711(1/2 ENG. SPEED INPUT) PLUS 1565192 AND 5657941.												
		7.4063 - RETAINER, TACHOMETER												
4A	**5148776**	RETAINER												1
	132979	SCREW, #10-24X5/8" (12.9025)												4
	106498	LOCKWASHER, #12 (12.9200)												4

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	754	755	759	760	765	767	776	778	780	783	784
		7.4063 - RETAINER, TACHOMETER (CONT'D)												
	103089	NUT, #12-24 (12.9120)												4
		7.4065 - CLAMP, TACHOMETER												
	1535062	CLAMP		1										
		7.4070 - GAGE, OIL PRESSURE												
		INCLUDES CLAMP IN 7.4072.												
4A	5654136	GAGE (24V., ELECTRIC) (120#)				1				1				
	9409262	CAP, FLARED TUBE SEAL (1/4" TUBE)			1									
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)			1									
	120217	LOCKWASHER, #10 (12.9200)			AR		AR	AR						
	120614	NUT, #10-32 (12.9120)			AR		AR	AR						
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
		INCLUDES CLAMP IN 7.4072.												
	6463362	GAGE (200#) (RESTRICTED)										1		
		7.4072 - CLAMP, OIL PRESSURE GAGE												
	1505244	+ CLAMP			AR									
	5101141	CLAMP (7.4020)			AR		AR							AR
	1501207	+ CLAMP					AR							
		+ OBSOLETE.												
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE												
	5125792	TUBE, 1/4" I.D. X 8.50" DEV. L					1							
	5119366	HOSE, 3/16" X 1" FLEX.					1							
	5182882	HOSE, 3/16" I.D. X 20 1/2" L. FLEX.							1					
	5139692	HOSE, 3/16" X 25" L.		1										
	5134530	HOSE, 5/16" I.D. X 15 3/4" L. (7.8300)								1				
	5132599	HOSE, 5/16" I.D. X 25" L. (2.5150)				1								
	5132613	HOSE, 5/16" X 34 1/2" L. (7.8300)												1
	1508350	FITTING, 1/8"-27 (.25 RESTRICTED)												1
	5141742	ELBOW (.040" RESTRICTED)			1									

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	754	755	759	760	765	767	776	778	780	783	784
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE (CONT'D)												
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)							1					
	9409931	ELBOW, 1/8"-90 DEG. STREET (12.9550)		1			1		1					
	118753	ELBOW, 1/4"-90 DEG. FLEX. (12.9480)					1							
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1										
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)		1										
	225815	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)								1				
	9432245	ELBOW, 5/16"-90 DEG. INV. FL. TUBE (12.9480)				1				1				
	5126395	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (7.4596)												1
	442322	CONNECTOR, 5/16"-18" P.T. (12.9460)				1								1
	442321	* CONNECTOR, 1/4" INV. FL. TUBE (12.9460)					1							
	137397	NUT, 1/4" INV. FL. TUBE (7/16"-24) (12.9500)			1									
		* USE WITH RESTRICTED GAGE												
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5163442	CLIP, 1/4" DIA. X 3/8" BOLT (2.9428)					1							
	140582	CLIP, 1/2" DIA. X 3/8" BOLT (12.9630)								1				
	5153423	CLIP, 1/2" DIA. X 3/8" BOLT												1
	140580	CLIP, #6-3/8" DIA. X 3/8" BOLT (12.9630)		2										
	5161873	CLIP, 7/16" DIA. X 3/8" BOLT (7.4412)							1					
		7.4077 - GAGE, OIL TEMPERATURE												
		INCLUDES CLAMP IN 7.4082.												
	6490569	GAGE (6' CAPILLARY)							1					
	6490351	GAGE (8' CAPILLARY)										1		
		7.4080 - GAGE, WATER TEMPERATURE												
		INCLUDES CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.												
4A	6490561	GAGE (2' CAPILLARY)					1							
4A	6490966	GAGE (6' CAPILLARY)			1									
4A	6490557	GAGE (15' CAPILLARY)						1						

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	754	755	759	760	765	767	776	778	780	783	784
		7.4080 - GAGE, WATER TEMPERATURE (CONT'D)												
4A	6490563	GAGE (49' CAPILLARY)									1			
4A	1514223	+ GAGE (ELECTRIC)		1						1				
	5114551	TAG, CABLE (7.4545)			1		1	1						
		+ OBSOLETE												
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
	1505244	+ CLAMP (7.4072)			1									
	5101141	CLAMP (7.4020)			AR	AR	AR	AR						
	1501207	+ CLAMP (7.4072)					1	1						
		+ OBSOLETE.												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
	859151	+ ADAPTOR					1							
		+ OBSOLETE.												
		7.4099 - MEDALLION, INSTRUMENT PANEL												
	1566992	MEDALLION									1			1
	5175547	BRACKET (7.4020)									1			1
	120614	NUT, #10-32 (12.9120)									1			1
		7.4115 - SWITCH, ENGINE STARTING												
A	1996097	* SWITCH					1	1		1	1		1	
	1567238	PLATE, NAME					1	1						
		* PROCURE FROM AC DELCO.												
		7.4125 - SWITCH, OIL PRESSURE												
4A	1508144	+ TRANSMITTER				1				1				
	5133523	BRACKET (7.4670)		1						1				
	5138152	BRACKET		1						1				
	5138281	+ BRACKET				1								
	5175705	SPACER, 13/32"X7/8"X1" (8.3826)		1										
	448645	SCREW, 1/4"-20 (12.9066)		2						2				
	180120	BOLT, 3/8"-16X3/4" (12.9001)				2								
	179839	BOLT, 3/8"-16X1" (12.9001)								2				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		2										
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		1										
	120380	LOCKWASHER, 1/4" (12.9200)		2						2				
	103321	LOCKWASHER, 3/8" (12.9200)				2				2				
		+ OBSOLETE.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 750	754	755	759	760	765	767	776	778	780	783	784
		7.4128 - SWITCH, WATER TEMPERATURE												
	6400587	TRANSMITTER		1						1				

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 795	809	810	811	812	814	815	817	827	831	833	836
		7.4005 - PANEL, INSTRUMENT												
		A CLUSTER ASSY. INCLUDES PANEL IN 7.4005 PLUS ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080, AND 7.4082. A COMPLETE PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4105.												
	6497188	PANEL (INCLUDES STUDS)					1						1	
	5123435	PANEL (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)							1					
4A	1582507	= PANEL ASSY. (CLUSTER)				1		1						
	6405709	* PANEL ASSY.					1						1	
	6405711	* PANEL ASSY. (ELECTRIC)					1							
	1582506	* CLUSTER ASSY.				1								
	1582504	* CLUSTER ASSY.				1								
	1583630	* CLUSTER ASSY. (DUAL ELECTRIC)					1							
	1586206	* CLUSTER ASSY. (NO TEMPERATURE GAGE)						1						
	132768	SCREW, #8-32 X 3/4" (12.9025)						2						
	5155935	WASHER (7.8410)							2					
	106496	LOCKWASHER, #8 (12.9200)							2					
	120622	NUT, #8-32 (12.9120)							2					
		= INCLUDES MOUNTING IN 7.4010.												
		* NOT SERVICED; COMPONENTS ARE AVAILABLE.												
		7.4010 - MOUNTING, INSTRUMENT PANEL												
	5193755	MOUNTING ASSY. (ANTI-VIBRATION)				1								
		7.4012 - COVER, INSTRUMENT PANEL												
	5124258	COVER							1					
	132760	SCREW, #8-32X1/2" (12.9025)							2					
	106496	LOCKWASHER, #8 (12.9200)							2					
	120622	NUT, #8-32 (12.9120)							2					
		7.4015 - AMMETER, BATTERY CHARGING												
		INCLUDES CLAMP IN 7.4020.												
4A	6474062	AMMETER (50 AMP.)			1	1	1	1	1				1	
4A	6474038	AMMETER (100 AMP.)								1				
4A	1502864	+ AMMETER (BATTERY GENERATOR INDICATOR)										1		
	5109869	+ WIRE ASSY. (AMMETER TO GOVERNOR)								2				
	120217	LOCKWASHER, #10 (12.9200)				AR	AR	AR		AR			AR	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 795	809	810	811	812	814	815	817	827	831	833	836
		7.4015 - AMMETER, BATTERY CHARGING (CONT'D)												
	120614	NUT, #10-32 (12.9120)			AR	AR	AR	AR		AR			AR	
		+ OBSOLETE												
		7.4020 - CLAMP, AMMETER												
	6460429	+ CLAMP			1	1	1						1	
	1501207	+ CLAMP			2			1						
	5101141	CLAMP			1	1	1	1					1	
	5134166	RETAINER				1			1					
		+ OBSOLETE.												
		7.4060 - TACHOMETER												
		A TACHOMETER AND ADAPTOR ASSY. INCLUDES ITEMS IN 7.4060, 7.4061, 7.4063, PLUS 6478819 CABLE IN 7.4060. A TACHOMETER INCLUDES CLAMP IN 7.4065. ADAPTOR KIT INCLUDES RED. ADAPTOR AND KEY, NOT SOLD SEPARATELY, TO CONVERT FROM 7/8" TO 5/8" TACH. DRIVE.												
4A	1549030	* TACHOMETER (C.W., 3500 RPM) (WITH HOURMETER) (5658116)	1											
4A	1549110	* TACHOMETER (C.W., 4000 RPM) (WITH HOURMETER) (2:1 RATIO) (1548168)		1										
4A	1549866	* TACHOMETER (C.W. ROTATION) (2:1 RATIO) (WITH HOURMETER) (5658119)					1			1			1	
4A	5143763	TACHOMETER (C.W. ROTATION) (1:1 RATIO)										1		
	6479007	ADAPTOR KIT, TACHOMETER	AR				AR			AR		AR	AR	
	103341	WASHER, 3/8" (12.9190)	1											
	120385	WASHER, #10 (12.9190)	2											
	120217	LOCKWASHER, #10 (12.9200)	2				AR			2			AR	
	120614	NUT, #10-32 (12.9120)	2				AR			2			AR	
		* NOT SERVICED; USE PART NO. IN PARENTHESES PLUS (1) 6479007 KIT FOR PANEL MOUNTED TACHOMETERS OR 1568211 AND 6478819 @ (1) EACH FOR DIRECT MOUNTED TACHOMETERS.												
		7.4061 - ADAPTOR, TACHOMETER MOUNTING												
4A	5123740	ADAPTOR	1											

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 795	809	810	811	812	814	815	817	827	831	833	836
		7.4062 - DRIVE UNIT, TACHOMETER												
	1548005	% DRIVE UNIT (ELECTRICAL)					1							
	5284621	BOOT					1							
		% NOT SERVICED, USE 5657941 TACHOMETER & 6469711 GENERATOR.												
		7.4063 - RETAINER, TACHOMETER												
4A	5148776	RETAINER ASSY.	1											
	436537	SCREW, #8-32X7/8" PAN. HD. PLAIN (12.9010)	3											
	106496	LOCKWASHER, #8 (12.9200)	3											
	103092	NUT, #8-32 (12.9120)	3											
		7.4065 - CLAMP, TACHOMETER												
	1535062	CLAMP					1			1			1	
		7.4070 - GAGE, OIL PRESSURE												
		INCLUDES CLAMP IN 7.4072.												
4A	6463499	GAGE (80#) (LIGHTED) (RESTRICTED)			1	1	1		1	2			1	
4A	6463360	GAGE (120#) (RESTRICTED)										1		
	118748	CONNECTOR, 1/4" FL. TUBE (12.9380)			1	1								
	120217	LOCKWASHER, #10 (12.9200)				AR	AR		AR	AR			AR	
	120614	NUT, #10-32 (12.9120)				AR	AR		AR	AR			AR	
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)												
		INCLUDES CLAMP IN 7.4072.												
4A	6463500	GAGE (450#) (RESTRICTED)				1	1			1			1	
	120217	LOCKWASHER, #10 (12.9200)				2	2						2	
	120614	NUT, #10-32 (12.9120)				2	2						2	
		7.4072 - CLAMP, OIL PRESSURE GAGE												
	1505244	+ CLAMP				AR				AR			AR	
	1501207	+ CLAMP							1					
	5101141	CLAMP (7.4020)				1			1	4			4	
		+ OBSOLETE.												
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE												
	5125792	TUBE ASSY. (1/4"X8.50" DEV. L.)							1					
	5162733	+ TUBE, 1/4" X 24" DEV. L.								2				
	5119366	HOSE ASSY. (3/16"X11")							1					

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 795	809	810	811	812	814	815	817	827	831	833	836
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE (CONT'D)												
	5139692	HOSE ASSY. (3/16"X25")									1			
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)							1		1			
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)							1					
	9432337	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)									1			
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)									1			
	442321	* CONNECTOR, 1/4" INV. FL. TUBE (12.9460)			1	1	1		1	1			1	
		+ OBSOLETE.												
		* USE WITH RESTRICTED GAGE												
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE												
	5163442	CLIP (2.9428)							1					
	140580	CLIP (12.9630)									2			
		7.4077 - GAGE, OIL TEMPERATURE												
		INCLUDES CLAMP IN 7.4078.												
	6490569	GAGE (3' CAPILLARY)				1								
	5114551	TAG, CABLE (7.4545)				AR		AR	1					
		7.4078 - CLAMP, OIL TEMPERATURE GAGE												
	1505244	+ CLAMP (7.4072)				1	1							
	5101141	CLAMP (7.4020)				1	1							
		+ OBSOLETE.												
		7.4080 - GAGE, WATER TEMPERATURE												
		INCLUDES CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.												
4A	**6490966**	GAGE (6' CAPILLARY)			1			1	1					
4A	**6490557**	GAGE (15' CAPILLARY)								2			1	
4A	**6490558**	GAGE (30' CAPILLARY)					1							
4A	**6490563**	GAGE (73" CAPILLARY)				1								
4A	**6490347**	GAGE (96" CAPILLARY)										1		
	6401256	GAGE (ELECTRIC) (INCLUDES CLAMP)									1			

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7955	809	810	811	812	814	815	817	827	831	833	836
		7.4080 - GAGE, WATER TEMPERATURE (CONT'D)												
	120217	LOCKWASHER, #10 (12.9200)				AR	AR			AR				
	120614	NUT, #10-32 (12.9120)				AR	AR			AR				
		7.4082 - CLAMP, WATER TEMPERATURE GAGE												
	5101141	CLAMP (7.4020)			AR	AR	AR	AR	AR	AR	AR	AR	AR	
	1505244	+ CLAMP (7.4072)				AR	AR			AR				
	1501207	+ CLAMP (7.4072)							AR					
	5114551	TAG, CABLE (7.4545)								1				
		+ OBSOLETE.												
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE												
	859151	+ ADAPTOR			1	1	1	1	1	1			1	
		+ OBSOLETE.												
		7.4091 - GAGE, FUEL PRESSURE												
	6461428	GAGE (80#)										1		
		7.4099 - MEDALLION, INSTRUMENT PANEL												
	1566992	MEDALLION				1								
	5175547	BRACKET (7.4020)				1								
	120614	NUT, #10-32 (12.9120)				1								
		7.4100 - LAMP, INSTRUMENT PANEL												
	127934	BULB, 12-16V., LAMP (12.9520)					3						3	
		7.4105 - SOCKET, LAMP (INSTRUMENT PANEL)												
	6459359	WIRE ASSY. (W/SOCKET) (12"L.)					3						3	
		7.4115 - SWITCH, ENGINE STARTING												
4A	1996097	* SWITCH			1	1	1	1	1	2			1	
	1567238	PLATE, NAME			1		1	1	1					
	120217	LOCKWASHER, #10 (12.9200)			2	2	2							
	120614	NUT, #10-32 (12.9120)			2	2	2							
		* PROCURE FROM AC DELCO.												

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 795	809	810	811	812	814	815	817	827	831	833	836
		7.4118 - METER, HOUR												
	9243461	HOUR METER									1	1		
		7.4125 - SWITCH, OIL PRESSURE												
4A	**6463693**	SWITCH					1							
4A	**5100673**	= SWITCH					1							
	5653045	SWITCH									1	1		
	1508144	+ TRANSMITTER									1			1
	5133523	BRACKET (7.4670)									1			
	5138152	BRACKET									1			
	5138281	+ BRACKET												1
	442322	CONNECTOR, 5/16"-18 INV. FL. TUBE (12.9460)												1
	9432245	ELBOW, 1/4"-90 DEG. INV. FL. TUBE (12.9480)												1
	448645	SCREW, 1/4"-20 TAPPING (12.9066)									2			
	179837	BOLT, 3/8"-16X3/4" (12.9001)												2
	454813	BOLT, 3/8"-16X7/8" (12.9001)									2			
	103319	LOCKWASHER, 1/4" (12.9200)									2			
	103321	LOCKWASHER, 3/8" (12.9200)									2			2
		= OPTIONAL TO 1507359.												
		+ OBSOLETE												
		7.4128 - SWITCH, WATER TEMPERATURE												
	6400587	SWITCH									1			1
		7.4135 - BLOCK, INSTRUMENT PANEL FUSE												
	1568182	BLOCK ASSY. (INCLUDES FUSE)					1							
	147684	FUSE, 9 AMP. (12.9350)					1							

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8391	8422	8433	8445	8466	8477	8577	8488	8599	8600	8611	8633	8644	8755
		7.4005 - PANEL, INSTRUMENT														
		A CLUSTER ASSY. INCLUDES PANEL IN 7.4005 PLUS ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080, AND 7.4082. A COMPLETE PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4105.														
	6497191	% PANEL ASSY. (COMPLETE)		1												
	6497188	PANEL (INCLUDES STUDS)		1											1	
	6497189	PANEL											1			
	6497196	# PANEL ASSY.											1			
	6497193	% PANEL ASSY.													1	
	8920569	? PANEL ASSY.			1											
	8920572	@ PANEL ASSY.								1						
		% NOT SERVICED; FOR SERVICE USE 8920568. FOR COMPONENTS OF 8920568 ASSY. USE INSTRUMENTS FROM A.C. ASSYS. 6497171 OR 6497193.														
		# NOT SERVICED USE 8920571. FOR COMPONENTS OF 8920571 ASSY., USE INSTRUMENTS FROM AC DELCO ASSY. 6497196.														
		? NOT SERVICED. FOR COMPONENTS OF 8920569, USE INSTRUMENTS FROM AC DELCO ASSY. 6497192.														
		@ NOT SERVICED. FOR COMPONENTS OF 8920572, USE INSTRUMENTS FROM AC DELCO ASSY. 6497197.														
		7.4015 - AMMETER, BATTERY CHARGING														
		INCLUDES CLAMP IN 7.4020.														
4A	**6474038**	AMMETER (100 AMP.)												1	1	
4A	**6474061**	AMMETER (60 AMP.)		1									2	1		
4A	**1501397**	WIRE ASSY., SHUNT												1		
	120217	LOCKWASHER, #10 (12.9200)		AR									AR	AR	AR	
	120614	NUT, #10-32 (12.9120)		AR									AR	AR	AR	
		7.4020 - CLAMP, AMMETER														
	5101141	CLAMP											2	1	1	
		7.4060 - TACHOMETER														
		A TACHOMETER AND ADAPTOR ASSY. INCLUDES ITEMS IN 7.4060, 7.4061, 7.4063, PLUS 6478819 CABLE IN 7.4060. A TACHOMETER INCLUDES CLAMP IN 7.4065. ADAPTOR KIT INCLUDES RED. ADAPTOR AND KEY, NOT SOLD SEPARATELY, TO CONVERT FROM 7/8" TO 5/8" TACH. DRIVE.														
4A	**5657283**	* TACHOMETER (C.W. ROTATION, 3500 RPM) (WITH HOURMETER) (5658116)				1	1				1					
4A	**5657274**	* TACHOMETER (C.C.W. ROTATION, 0-3500 RPM) (5658117)						1								1
4A	**1536515**	* TACHOMETER (C.W. ROTATION) (WITH HOURMETER) (5658115)							1							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 839	842	843	845	846	847	857	848	859	860	861	863	864	875
		7.4060 - TACHOMETER (CONT'D)														
4A	**5658119**	TACHOMETER (C.W. ROTATION, 3500 RPM) (WITH HOURMETER)										1				

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7.4000A INSTRUMENTS

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 8391	8402	8433	8405	8406	8407	8577	8408	8599	8600	8611	8633	8644	8755
		7.4060 - TACHOMETER (CONT'D)														
4A	**5658119**	TACHOMETER (C.W. ROTATION, 3500 RPM) (WITH HOURMETER)		1									2	1	1	
	5147833	TACHOMETER & ADAPTOR ASSY.				1										
	5147834	TACHOMETER & ADAPTOR ASSY.						1								
	6478819	CABLE ASSY. (7.4405)				1		1								
	1568211	FERRULE AND NUT ASSY., 5/8"-18 (12.8514)				1		1								
	103341	WASHER, 3/8" (12.9190)				1		1								
	120392	WASHER, 1/4" (12.9190)				2		2								
	120217	LOCKWASHER, #10 (12.9200)		2		2	2	2	2			AR			2	AR
	120614	NUT, #10-32 (12.9120)		2		2	2	2	2			AR			2	AR
		* NOT SERVICED; USE PART NO. IN PARENTHESES PLUS (1) 6479007 KIT FOR PANEL MOUNTED TACHOMETERS OR 1568211 AND 6478819 @ (1) EACH FOR DIRECT MOUNTED TACHOMETERS.														
		7.4061 - ADAPTOR, TACHOMETER MOUNTING														
4A	**5123740**	ADAPTOR				1		1								
		7.4063 - RETAINER, TACHOMETER														
4A	**5148776**	RETAINER ASSY.				1		1								
	436537	SCREW, #8-32X7/8" PAN. HD. PLAIN (12.9010)				3		3								
	106496	LOCKWASHER, #8 (12.9200)				3		3								
	103092	NUT, #8-32 (12.9120)				3		3								
		7.4065 - CLAMP, TACHOMETER														
	1535062	CLAMP		1			1		1			1	2	1	1	1
		7.4070 - GAGE, OIL PRESSURE														
		INCLUDES CLAMP IN 7.4072.														
4A	**6463449**	GAGE (80#) (RESTRICTED)		1									2	1	1	
	120217	LOCKWASHER, #10 (12.9200)		AR									AR		AR	
	120614	NUT, #10-32 (12.9120)		AR									AR		AR	
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)														
		INCLUDES CLAMP IN 7.4072.														
4A	**6463500**	GAGE (450#) (RESTRICTED)		1									2	1	1	
	120217	LOCKWASHER, #10 (12.9200)		2									2		2	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 8391	8402	8433	8445	8466	8477	8577	8488	8599	8600	8611	8633	8644	85
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER) (CONT'D)														
	120614	NUT, #10-32 (12.9120)		2									2		2	
		7.4072 - CLAMP, OIL PRESSURE GAGE														
	5101141	CLAMP (7.4020)		1											2	
		7.4074 - TUBE ASSY., OIL PRESSURE GAGE														
	442321	* CONNECTOR, 1/8"-27 P.T. 1/4" INV. FL. TUBE (12.9460) * USE WITH RESTRICTED GAGE.		1									1	1	1	
		7.4077 - GAGE, OIL TEMPERATURE														
		INCLUDES CLAMP IN 7.4078.														
	6490351	GAGE (8' CAPILLARY)	1													
		7.4078 - CLAMP, OIL TEMPERATURE GAGE														
	5101141	CLAMP (7.4017)											2			
		7.4080 - GAGE, WATER TEMPERATURE														
		INCLUDES CLAMP IN 7.4082 AND ADAPTOR IN 7.4084.														
4A	6490557	GAGE (15' CAPILLARY)		1									2		1	
4A	6490558	GAGE (30' CAPILLARY)												1		
	125620	CONNECTOR, 1/4" FL. TUBE (12.9380)											AR	1		
	120217	LOCKWASHER, #10 (12.9200)		AR									AR			
	120614	NUT, #10-32 (12.9120)		AR												
		7.4082 - CLAMP, WATER TEMPERATURE GAGE														
	5101141	CLAMP (7.4020)		AR									AR	AR	AR	
	5114551	TAG, CABLE (7.4545)												1		
		7.4084 - ADAPTOR, WATER TEMPERATURE GAGE														
	859151	% ADAPTOR % OBSOLETE.		1												
		7.4100 - LAMP, INSTRUMENT PANEL														
	8920580	SOCKET AND WIRE ASSY.			1					1						

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7.4000A INSTRUMENTS

PART NUMBER	NAME AND DESCRIPTION	TYPES 839	842	843	845	846	847	857	848	859	860	861	863	864	875
	7.4105 - SOCKET, LAMP (INSTRUMENT PANEL)														
6459359	WIRE ASSY. (W/SOCKET) (12"L.)											3			
5655149	WIRE ASSY. (W/SOCKET) (18"L.)		AR									AR	AR	AR	
	7.4115 - SWITCH, ENGINE STARTING														
4A **1996097**	* SWITCH		1	1					2			2	1	1	

* PROCURE FROM AC DELCO.

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	925	929	930	932	933	947	948	953	954
		7.4005 - PANEL, INSTRUMENTS										
		FOR TYPE 951 USE TYPE 953. FOR TYPE 952 USE TYPE 954. INCLUDES ITEMS IN 7.4100.										
	8920568	PANEL ASSY.								1		1
	8920569	PANEL ASSY.									1	
		7.4015 - AMMETER, BATTERY CHARGING										
		INCLUDES CLAMP IN 7.4020.										
4A	**6474061**	AMMETER (60 AMP.)	1								1	
4A	**6474038**	AMMETER (100 AMP.)								1		1
4A	**1502864**	+ INDICATOR (BATTERY CHARGING)			1							
	120217	LOCKWASHER, #10 (12.9200)	2							2	2	2
	120614	NUT, #10-32 HEX. (12.9120)	2							2	2	2
		+ OBSOLETE										
		7.4020 - CLAMP, AMMETER										
	5101141	CLAMP (7.4015)	1							1	1	1
		7.4060 - TACHOMETER										
		INCLUDES CLAMP IN 7.4065.										
4A	**5658119**	TACHOMETER (C.W. ROTATION, 3500 RPM) (WITH HOURMETER)	1				1		1	1	1	1
4A	**5143763**	TACHOMETER (C.W. ROTATION) (1:1 RATIO)			1							
	120217	LOCKWASHER, #10 (12.9200)	2				2		2	2	2	2
	120614	NUT, #10-32 HEX. (12.9120)	2				2		2	2	2	2
		7.4065 - CLAMP, TACHOMETER										
	1535062	CLAMP	1				1		1	1	1	1
		7.4070 - GAGE, OIL PRESSURE										
		INCLUDES CLAMP IN 7.4072.										
4A	**6463499**	GAGE, 80# (LIGHTED, RESTRICTED)	1				2		1	1	1	1
4A	**6463360**	GAGE, 120# (RESTRICTED)			1							
	125620	CONNECTOR, 1/4" (12.9380)	1				2		1	1	1	1
	120217	LOCKWASHER, #10 (12.9200)	2				4		2	2	2	2
	120614	NUT, #10-32 HEX. (12.9120)	2				4		2	2	2	2
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER)										
		INCLUDES CLAMP IN 7.4072.										
4A	**6463500**	GAGE, 450# (RESTRICTED)	1				2		1	1	1	1
4A	**6463362**	GAGE, 200# (RESTRICTED)		1								
	120217	LOCKWASHER, #10 (12.9200)	2				4		2	2	2	2

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	925	929	930	932	933	947	948	953	954
		7.4071 - GAGE, OIL PRESSURE (REVERSE GEAR OR TORQUE CONVERTER) (CONT'D)										
	120614	NUT, #10-32 HEX. (12.9120)	2				4		2	2	2	2
		7.4072 - CLAMP, OIL PRESSURE GAGE										
	5101141	CLAMP (7.4015)	1				2		2	1	1	1
		7.4077 - GAGE, OIL TEMPERATURE										
		INCLUDES CLAMP IN 7.4078.										
	6490351	GAGE (8' CAPILLARY)		1		1						
		7.4078 - CLAMP, OIL TEMPERATURE GAGE										
	5101141	CLAMP (7.4015)		1		1						
		7.4080 - GAGE, WATER TEMPERATURE										
		INCLUDES CLAMP IN 7.4082.										
4A	6490557	GAGE (15' CAPILLARY)	1				2		1	1		1
4A	6490558	GAGE (30' CAPILLARY)									1	
4A	6490347	GAGE (96" CAPILLARY)			1							
	120217	LOCKWASHER, #10 (12.9200)	2				4		2	2	2	2
	120614	NUT, #10-32 HEX. (12.9120)	2				4		2	2	2	2
		7.4082 - CLAMP, WATER TEMPERATURE GAGE										
	5101141	CLAMP (7.4015)	1				2		1	1	1	1
		7.4091 - GAGE, FUEL PRESSURE										
	6463359	GAGE, 80#			1							
		7.4105 - SOCKET, LAMP (INSTRUMENT PANEL)										
	5655149	WIRE ASSY. (W/SOCKET) (18"L.)	6				9		6			
		7.4115 - SWITCH, ENGINE STARTING										
4A	1996097	+ SWITCH + PROCURE FROM UNITED DELCO.	1				1		1	1	1	1
		7.4100 - LAMP, INSTRUMENT PANEL										
	8920580	SOCKET AND WIRE ASSY.								1	1	1

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	925	929	930	932	933	947	948	953	954
		7.4118 - METER, HOUR										
	9243461	* HOUR METER * OBSOLETE.			1							
		7.4125 - SWITCH, OIL PRESSURE										
	5100674	SWITCH			1							
		7.4128 - SWITCH, WATER TEMPERATURE										
	6400587	+ SWITCH (S.W. #506-5 & 501-C) + NOT SERVICED BY DDA. PROCURE THRU STEWART-WARNER CORP.						1				

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7.4000A INSTRUMENTS

PART NUMBER	NAME AND DESCRIPTION	TYPES 9561	9581
	7.4005 - INSTRUMENT		
	A CLUSTER ASSY. INCLUDES PANEL IN 7.4005 PLUS ITEMS IN 7.4015, 7.4020, 7.4070, 7.4072, 7.4080 AND 7.4082. A COMPLETE PANEL ASSY. INCLUDES PANEL IN 7.4005 AND ITEMS IN 7.4015 THRU 7.4100.		
5123435	PANEL ASSY. (INCLUDES PLUG IN 7.4005 AND MOUNTING IN 7.4010)	1	
8920571	% KIT, INSTRUMENT PANEL		1
132768	SCREW, #8-32X3/4" (12.9025)	2	
5155935	WASHER, 1 1/8" DIA. (7.8410)	2	
106496	LOCKWASHER, #8 (12.9200)	2	
120622	NUT, #8-32 (12.9120)	2	
	% FOR COMPONENTS, USE INSTRUMENTS FROM A.C. ASSY. 6497196.		
	7.4010 - MOUNTING INSTRUMENT PANEL		
5193755	MOUNTING ASSY. (ANTI-VIBRATION)	AR	
	7.4012 - COVER, INSTRUMENT PANEL		
5124258	COVER	1	
132760	BOLT, #8-32X1 1/2" (12.9025)	2	
106496	LOCKWASHER, #8 (12.9200)	2	
120622	NUT, #8-32 (12.9120)	2	
	7.4015 - AMMETER, BATTERY		
4A 6474062	AMMETER (60 AMP.)	1	
120217	LOCKWASHER, #10 (12.9200)	AR	
	7.4020 - CLAMP, AMMETER		
5101141	CLAMP	1	
	7.4070 - GAGE, OIL PRESSURE		
6463499	GAGE, 80# (RESTRICTED)	1	
120217	LOCKWASHER, #10 (12.9200)	AR	
120614	NUT, #10-32 (12.9120)	AR	
	7.4072 - CLAMP, OIL PRESSURE GAGE		
8921716	CLAMP (7.4020)	2	
	7.4074 - TUBE ASSY., OIL PRESSURE GAGE		
5119366	HOSE ASSY. (3/16"X11" FLEX.)	1	
5125792	TUBE ASSY. (1/4"X8.50 DEV. L.)	1	
9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1	
127887	ELBOW, 1/4" TUBE 90 DEG. (12.9390)	1	
442321	CONNECTOR, 1/4" INV. FL. TUBE (12.9460)	1	

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7.4000A INSTRUMENTS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9556	TYPES 9558
		7.4076 - CLIP, OIL PRESSURE GAGE TUBE		
	5163442	CLIP (2.9428)	1	

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7.4000A INSTRUMENTS

	PART NUMBER	NAME AND DESCRIPTION	TYPES 9596	TYPES 9958
		7.4080 - GAGE, WATER TEMPERATURE		
4A	6490563	GAGE (6' CAPILLARY)	1	
	5114551	TAG, CABLE (7.4545)	AR	
	120217	LOCKWASHER, #10 (12.9200)	AR	
	120614	NUT, #10-32 (12.9120)	AR	
		7.4115 - SWITCH, ENGINE STARTING		
4A	1996097	* SWITCH	1	2
	1567238	* PLATE, NAME	1	
		* PROCURE THRU AC DELCO.		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1	11	26	46	47	131	136	171	176	181	186	189
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		A SHAFT ASSY. INCLUDES ITEM IN 7.4408.												
	1536316	SHAFT ASSY. (5')		1										
5B	1536033	# SHAFT ASSY. (3 3/4")			1									1
	1569669	SHAFT ASSY. (15')				1			1	1				
	1569668	SHAFT ASSY. (10')					1		1					
	846430	COUPLING, FLEXIBLE SHAFT							1					
		# SOLD ONLY AS AN ASSY.												
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
	1535530	CABLE ASSY. (59 3/8")		1										
	1561330	CABLE ASSY. (119 3/8")					1		1					
	1569106	CABLE ASSY. (179 3/8")				1			1	1				
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4432.												
5A	1565192	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)									1			
5A	1566827	ADAPTOR (L.H., 1:.500 RATIO, ROTATION CHANGES)										1		
5A	1565170	ADAPTOR (R.H., 1:1 RATIO)											1	
5A	5104438	KEY (ADAPTOR TO TACHOMETER)									1	1	1	
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
	1582724	@ PLUG									1			
	191758	FITTING, 1/8" LUBE (12.9540)									1			
	178779	FITTING, RELIEF VALVE (12.9540)									1			
		@ OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
	3224992	SHAFT	1							1				
5B	5158289	SHAFT (7.4457)			1									1
5B	5123917	SHAFT (7.4457)		1				1					1	
5A	5155861	SHAFT ASSY.									1	1		
5A	5119005	SHAFT ASSY.												

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES													
			1	11	26	46	47	131	136	171	176	181	186	189		
	7.4440	**- SLINGER, TACHOMETER DRIVE SHAFT OIL**														
5A	**5155818**	SLINGER						1		1	1	1				
	7.4445	**- COVER, TACHOMETER DRIVE**														
5B	**5125153**	COVER ASSY. (INCLUDES SEAL IN 7.4450)	1							1						
5B	**5124240**	COVER ASSY. (INCLUDES SEAL IN 7.4450)			1									1		
	5123118	COVER ASSY. (INCLUDES STUDS)						1					1			
	5155854	STUD, 5/16" X 1 3/32"						2					2			
	179857	BOLT, 7/16"-14X7/8" (12.9001)	1		1			1		1			1	1		
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4		4			4		4			4	4		
	5150568	WASHER, 7/16" COPPER (12.9190)	1					1		1			1			
	103323	LOCKWASHER, 1/2" (12.9200)	4					4		4			4			
	7.4450	**- SEAL, TACHOMETER DRIVE COVER**														
5B	**3202615**	SEAL	1		1					1				1		
	7.4455	**- GASKET, TACHOMETER DRIVE ADAPTOR**														
	5104507	GASKET (COVER) (1.5040)	1					1					1	1		
5A	**5135935**	GASKET (ADAPTOR)						1					1			
5A	**5116391**	GASKET (1.5060)									1	1				
	7.4457	**- ADAPTOR, TACHOMETER DRIVE**														
5A	**5155819**	ADAPTOR						1					1			
5A	***5119003***	*ADAPTOR*									1	1				
	849330	CAP (ADAPTOR) (SHIPPING)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE	AR	AR	AR	AR	AR	AR	AR	AR	AR 2	AR 2	AR			
	186625	BOLT, 5/16"-18X7/8" (12.9001)														
	5107931	WASHER (ADAPTOR CAP)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR		
	103320	LOCKWASHER, 5/16" (12.9200)						2			2	2	2			
	114493	LOCKNUT, 5/16"-24 (2.7170)						2					2			

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	199	200	201	202	205	206	207	208	209	210
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE											
		A SHAFT ASSY. INCLUDES ITEM IN 7.4408.											
	1568956	SHAFT ASSY. (40')							1	1			
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE											
	1535514	CABLE ASSY. (39 3/8")							1	1			
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE											
		INCLUDES ITEMS IN 7.4432.											
5A	**1565192**	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)											1
5A	**1565170**	ADAPTOR (R.H., 1:1 RATIO)		1		1						1	
	1565168	CHANGES)	1				1						
5A	**5104438**	KEY (ADAPTOR TO TACHOMETER)	1	1		1	1					1	1
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING											
	1582724	@ PLUG	1	1		1	1					1	1
	191758	FITTING, 1/8" LUBE (12.9540)	1	1		1	1					1	1
	178779	FITTING, RELIEF VALVE (12.9540)	1	1		1	1					1	1
		@ OBSOLETE.											
		7.4435 - SHAFT, TACHOMETER DRIVE											
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.											
5B	**5123917**	SHAFT (7.4457)									1		
	5125159	SHAFT				1							
5B	**5121399**	% SHAFT						1					
5A	**5155861**	SHAFT ASSY.	1									1	
5A	**5124330**	SHAFT ASSY.		1	1		1						1
		% NOT SERVICED, FOR SERVICE USE 5135936 SHAFT 1-5135945 ADAPTOR AND SEAL ASSY.											
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL											
5A	**5155818**	SLINGER	1	1	1		1					1	1
		7.4445 - COVER, TACHOMETER DRIVE											
5B	**5125153**	COVER ASSY. (INCLUDES SEAL IN 7.4450)				1							
	5123118	COVER ASSY. (INCLUDES STUDS)	1	1	1		1					1	1

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7.4000B TACHOMETER DRIVE

PART NUMBER	NAME AND DESCRIPTION	TYPES 193	199	200	201	202	205	206	207	208	209	210
	7.4445 - COVER, TACHOMETER DRIVE (CONT'D)											
5B 5124240	COVER ASSY. (INCLUDES SEAL IN 7.4450)									1		
5155854	STUD (5/16"X1 3/32")	2	2	2		2					2	2
179857	BOLT, 7/16"-14X7/8" (12.9001)	1	1	1	1	1				1	1	1
179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4	4	4	4				4	4	4
5150568	WASHER, 7/16" COPPER (12.9190)	1	1	1	1	1				1	1	1
103323	LOCKWASHER, 1/2" (12.9200)	4	4	4	4	4				4	4	4
	7.4450 - SEAL, TACHOMETER DRIVE COVER											
5B 3202615	SEAL				1					1		
	7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR											
5104507	GASKET (COVER) (1.5040)	1	1	1	1	1				1	1	1
5A 5135935	GASKET (ADAPTOR)	1	1	1		1	1			1	1	
	7.4457 - ADAPTOR, TACHOMETER DRIVE											
5A 5155819	ADAPTOR	1	1	1		1					1	1
5123456	ADAPTOR ASSY. (INCLUDES SEAL IN 7.4458)						1					
849330	CAP (ADAPTOR) (SHIPPING)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
186618	BOLT, 5/16"-18X5/8" (12.9001)						2					
5107931	WASHER (ADAPTOR CAP)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
103320	LOCKWASHER, 5/16" (12.9200)	2	2	2		2	2				2	2
114493	LOCKNUT, 5/16"-24 (2.7170)	2	2	2		2					2	2
	7.4458 - SEAL, TACHOMETER DRIVE ADAPTOR											
5123453	SEAL						1					

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 216	221	222	224	226	228	229	231	232	239	240	245
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEM IN 7.4408.												
	1569668	SHAFT ASSY. (10')		1										
	1536316	SHAFT ASSY. (5')						1						
	1568956	SHAFT ASSY. (3/4")												2
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
	1535514	CABLE ASSY. (39 3/8")												2
	1535530	CABLE ASSY. (59 3/8")						1						
	1561330	CABLE ASSY. (119 3/8")		1										
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4432.												
5A	**1565185**	ADAPTOR (R.H., 1:.250 RATIO)	1											
5A	**1565192**	ADAPTOR (R.H., 1:.500 RATIO, 90 DEG.)		1							1			
5A	**5102578**	ADAPTOR (L.H., 1:1 RATIO, ROTATION CHANGES)			1	1								
5A	**1565170**	ADAPTOR (R.H., 1:1 RATIO)						1						
5A	**5102577**	ADAPTOR (R.H., 1:1 RATIO)							1					
5A	**1566827**	ADAPTOR (L.H., 1:.500 RATIO, ROTATION CHANGES)								1				
5A	**5102580**	ADAPTOR (L.H., 1:.500 RATIO, ROTATION CHANGES)										1		
5A	**5102579**	ADAPTOR (R.H., 1:.500 RATIO)											1	
5A	**1561509**	KEY (ADAPTOR TO TACHOMETER)	1	1	1	1		1	1					
	1585564	KEY AND SEAL ASSY.								1	1	1	1	
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
	1582724	+ PLUG	1	1				1			1			
	191758	FITTING, 1/8" LUBE (12.9540)	1	1				1			1			
	178779	FITTING, RELIEF VALVE (12.9540)	1	1				1			1			
		+ OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
	5121399	= SHAFT					1							

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 216	221	222	224	226	228	229	231	232	239	240	245
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)												
5A	5119005	SHAFT ASSY.	1	1						1	1	1	1	
5A	5124330	SHAFT ASSY.			1			1	1					
5A	5155861	SHAFT ASSY. = NOT SERVICED; SUPERSEDED BY 5135936 AND INCLUDE (1) 5135945 ADAPTOR ASSY.				1								
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5A	5155818	SLINGER	1	1	1	1		1	1	1	1	1	1	
		7.4445 - COVER, TACHOMETER DRIVE												
	5123118	COVER ASSY. (INCLUDES STUDS)			1	1		1	1					
	5155854	STUD, 5/16" X 1 3/32"			2	2		2	2					
	179858	BOLT, 7/16"-14X1" (12.9001)			1	1		1	1					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4	4		4	4					
	5150568	WASHER, 7/16" COPPER (12.9190)			1	1		1	1					
	103323	LOCKWASHER, 1/2" (12.9200)			4	4		4	4					
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5A	5116391	GASKET	1	1						1	1	1	1	
	5104507	GASKET (COVER) (1.5040)			1	1		1	1					
5A	5135935	GASKET			1	1	1	1	1					
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5A	5119003	ADAPTOR	1	1						1	1	1	1	
5A	5155819	ADAPTOR			1	1		1	1					
	5135945	ADAPTOR ASSY. (INCLUDES SEAL IN 7.4458)					1							
	849330	CAP (ADAPTOR) (SHIPPING)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5A	186618	BOLT, 5/16"-18X5/8" (12.9001)					2							
5A	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2						2	2	2	2	
	5107931	WASHER (ADAPTOR CAP)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5A	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	
	114493	LOCKNUT, 5/16"-24 (2.7170)			2	2		2	2					
		7.4458 - SEAL, TACHOMETER DRIVE ADAPTOR												
	5123453	SEAL					1							

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 247	249	252	254	255	256	264	267	268	274	276
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE											
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEM IN 7.4408.											
	1568929	+ SHAFT ASSY. (11')		1									
	1536103	SHAFT ASSY. (6')			2								
	1569669	SHAFT ASSY. (15')				1							
	846430	COUPLING, FLEXIBLE SHAFT			1								
		+ OBSOLETE											
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE											
	1535519	CABLE ASSY. (71 3/8")			2								
	1569106	CABLE ASSY. (179 3/8")				1							
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE											
		INCLUDES ITEMS IN 7.4432.											
5A	**1565192**	ADAPTOR (R.H., 1:.500 RATIO, 90 DEG.)								1			
5A	**1565170**	ADAPTOR (R.H., 1:1 RATIO)									1		
5A	**1566827**	ADAPTOR (L.H., 1:.500 RATIO, ROTATION CHANGES)						1					
5A	**5102580**	ADAPTOR (L.H., 1:.500 RATIO, ROTATION CHANGES)										1	
5A	**5107383**	ADAPTOR (L.H., 1:.250 RATIO, ROTATION CHANGES)					1						
5A	**6479374**	ADAPTOR (L.H., 1:.400 RATIO, ROTATION CHANGES)							1				
5A	**1561509**	KEY (ADAPTOR TO TACHOMETER)					1	1	1	1	1	1	
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING											
	1582724	+ PLUG								1	1		
	191758	FITTING, 1/8" LUBE (12.9540)								1	1		
	178779	FITTING, RELIEF VALVE (12.9540)								1	1		
		+ OBSOLETE.											
		7.4435 - SHAFT, TACHOMETER DRIVE											
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.											
	5121399	= SHAFT									1		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 247	249	252	254	255	256	264	267	268	274	276
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)											
	5177232	SHAFT							1				1
5A	5119005	SHAFT ASSY.	1				1						
5A	5124330	SHAFT ASSY.				1							
5A	5155861	SHAFT ASSY. = NOT SERVICED; SUPERSEDED BY 5135936 AND INCLUDE (1) 5135945 ADAPTOR ASSY.						1		1		1	
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL											
5A	5155818	SLINGER	1			1	1	1		1		1	
		7.4445 - COVER, TACHOMETER DRIVE											
	5123118	COVER ASSY. (INCLUDES STUDS)				1		1		1		1	
	5109669	COVER (W/INTEGRAL ADAPTER)							1			1	
	849330	CAP (SHIPPING)							1				
	5155854	STUD, 5/16" X 1 3/32"				2		2		2		2	
	9418964	BOLT, 3/8"-16X5" (12.9001)							4				
	179858	BOLT, 7/16"-14X1" (12.9001)				1		1		1		1	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)				4		4		4		4	
	5107931	WASHER (ADAPTOR CAP)							AR				
	5164294	WASHER, 3/8" I.D. X 1/8" THICK (7.1581)							1				
	5150568	WASHER, 7/16" COPPER (12.9190)				1		1		1		1	
	103323	LOCKWASHER, 1/2" (12.9200)				4		4		4		4	
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR											
5A	5116391	GASKET	1				1						
	5104506	GASKET (COVER) (1.5040)				1		1		1		1	
5A	5135935	GASKET				1		1		1	1	1	
	5121344	GASKET (3.4360)							1				1
		7.4457 - ADAPTOR, TACHOMETER DRIVE											
5A	5119003	ADAPTOR	1				1						
5A	5155819	ADAPTOR				1		1		1		1	
	5135945	ADAPTOR ASSY. (INCLUDES SEAL IN 7.4458)									1		
	849330	CAP (ADAPTOR) (SHIPPING)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
5A	186618	BOLT, 5/16"-18X5/8" (12.9001)									2		
5A	186625	BOLT, 5/16"-18X7/8" (12.9001)	2				2						

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 247	249	252	254	255	256	264	267	268	274	276
		7.4457 - ADAPTOR, TACHOMETER DRIVE (CONT'D)											
	9418964	BOLT, 3/8"-16X5" (12.9001)											4
	5107931	WASHER (ADAPTOR CAP)	AR	AR	AR	AR	AR	AR		AR	AR	AR	AR
	5164294	WASHER, 3/8" I.D. X 1/8" THICK (7.1581)											4
5A	103320	LOCKWASHER, 5/16" (12.9200)	2			2	2	2		2	2	2	
	114493	LOCKNUT, 5/16"-24 (2.7170)				2		2		2		2	
		7.4458 - SEAL, TACHOMETER DRIVE ADAPTOR											
	5123453	SEAL									1		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	278	280	286	287	289	292	295	297	298	304	306
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEM IN 7.4408.												
	1566291	* SHAFT ASSY.				1								
	1582990	* SHAFT ASSY.					1							
	1569669	SHAFT ASSY. (15')								1				
	1568956	SHAFT ASSY. (3'4")										1		
		* PROCURE FROM GMPD.												
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
	1569106	CABLE ASSY. (179 3/8")								1				
	1535514	CABLE ASSY. (39 3/8")										1		
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4432.												
5A	1566827	ADAPTOR (L.H., 1:.500 RATIO, ROTATION CHANGES)	1						1					
5A	1565192	ADAPTOR (R.H., 1:.500 RATIO, 90 DEG.)		1				1				1		
	5102582	ADAPTOR (L.H., 1:.250 RATIO, ROTATION CHANGES, DOUBLE OUTLET)												1
5A	5104438	KEY (ADAPTOR TO TACHOMETER)	1	1					1			1		
	1585564	KEY AND SEAL ASSY.						1						1
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
	1582724	% PLUG		1				1				1		
	191758	FITTING, 1/8" LUBE (12.9540)		1				1				1		
	178779	FITTING, RELIEF VALVE (12.9540)		1				1				1		
		% OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
	5179903	SHAFT									1			
	5125159	SHAFT	1	1	1					1				

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	278	280	286	287	289	292	295	297	298	304	306
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)												
	3224992	SHAFT				1	1							
5A	5124330	SHAFT ASSY.						1	1			1		1
5A	5119005	SHAFT ASSY.											1	
5A	5131821	SHAFT ASSY.												
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5A	5155818	SLINGER						1	1			1		1
5A	5131707	SLINGER											1	
		7.4445 - COVER, TACHOMETER DRIVE												
5B	5125153	COVER ASSY. (INCLUDES SEAL IN 7.4450)	1	1	1	1	1			1	1			
	5123118	COVER ASSY. (INCLUDES STUDS)						1	1					
	5155854	STUD, 5/16" X 1 3/32"						2	2					
	179857	BOLT, 7/16"-14X7/8" (12.9001)						1	1					
	179858	BOLT, 7/16"-14X1" (12.9001)	1	1	1	1	1			1	1			
	122408	BOLT, 1/2"-13X1" (12.9001)						4	4					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4	4	4	4			4	4			
	5132715	WASHER, .53" I.D. X .94" O.D. X .12" (1.3140)									2			
	5150568	WASHER, 7/16" COPPER (12.9190)	1	1	1	1	1			1				
	103322	LOCKWASHER, 7/16" (12.9200)						1	1					
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4	4	4	4	4	4				
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5B	3202615	SEAL	1	1	1	1	1			1	1			
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
	5104506	GASKET (COVER) (1.5040)	1	1	1	1	1	1	1		1			
5A	5135935	GASKET						1	1					
5A	5116391	GASKET (1.5060)										1	1	1
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5A	5155819	ADAPTOR						1	1			1		1
5A	5119003	ADAPTOR											1	
	5131708	ADAPTOR												
	849330	CAP (ADAPTOR) (SHIPPING)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5A	186625	BOLT, 5/16"-18X7/8" (12.9001)										2	2	2

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 277	278	280	286	287	289	292	295	297	298	304	306
	7.4457	**- ADAPTOR, TACHOMETER DRIVE (CONT'D)**												
	5107931	WASHER (ADAPTOR CAP)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
5A	**103320**	LOCKWASHER, 5/16" (12.9200)						2	2			2	2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)						2	2					

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 307	309	310	311	312	316	318	324	331	336	346	348	361
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE													
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEM IN 7.4408.													
	1568956	SHAFT ASSY. (3'4")								1					
	845384	% SHAFT ASSY. (47 1/2")									1				
	1536316	SHAFT ASSY. (5')													1
		% OBSOLETE.													
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE													
	1535514	CABLE ASSY. (39 3/8")								1					1
	1564935	% CABLE ASSY. (46 7/8")									1				
	1535530	CABLE ASSY. (59 3/8")													1
		% OBSOLETE.													
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE													
		INCLUDES ITEMS IN 7.4432.													
5A	1566827	ADAPTOR (L.H., 1:.500 RATIO, ROTATION CHANGES)													1
5A	1565192	ADAPTOR (R.H., 1:.500 RATIO, 90 DEG.)					1			1					
	5102581	ADAPTOR (R.H., 1:.250 RATIO, DOUBLE OUTLET)	1												
5A	1565185	ADAPTOR (R.H., 1:.250 RATIO)		1											
5A	5107383	ADAPTOR (L.H., 1:.250 RATIO, ROTATION CHANGES)			1										
	5102579	ADAPTOR (R.H., 1:.500 RATIO, DOUBLE OUTLET)				1									
	5102580	ADAPTOR (L.H., 1:.500 RATIO, DOUBLE OUTLET, ROTATION CHANGES)						1							
5A	6479381	ADAPTOR (L.H., 2:1 RATIO, ROTATION CHANGES)										1			
5A	5104438	KEY (ADAPTOR TO TACHOMETER)				1	1	1		1		1			1
	1585564	KEY AND SEAL ASSY.	1	1	1									1	
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING													
	1582724	# PLUG		1			1			1					
	191758	FITTING, 1/8" LUBE (12.9540)		1			1			1					
	178779	FITTING, RELIEF VALVE (12.9540)		1			1			1					
		# OBSOLETE.													

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 307	309	310	311	312	316	318	324	331	336	346	348	361
		7.4435 - SHAFT, TACHOMETER DRIVE													
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.													
	5177232	SHAFT										1			
	5125159	SHAFT								1					
5A	5124330	SHAFT ASSY.				1		1							
5A	5119005	SHAFT ASSY.	1	1	1		1							1	1
5A	5155861	SHAFT ASSY.							1						
5A	5134378	SHAFT ASSY.											1		
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL													
5A	5155818	SLINGER	1	1	1	1	1	1	1					1	1
5A	5131707	SLINGER											1		
		7.4445 - COVER, TACHOMETER DRIVE													
5B	5125153	COVER ASSY. (INCLUDES SEAL IN 7.4450)								1					
	5123118	COVER ASSY. (INCLUDES STUDS)				1		1	1						
	5109669	COVER (W/INTEGRAL ADAPTOR)										1			
	5155854	STUD, 5/16" X 1 3/32"				2		2	2						
	179857	BOLT, 7/16"-14X7/8" (12.9001)				1		1	1						
	179858	BOLT, 7/16"-14X1" (12.9001)								1					
	122408	BOLT, 1/2"-13X1" (12.9001)				4		4	4						
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)								4					
	5150568	WASHER, 7/16" COPPER (12.9190)								1					
	103322	LOCKWASHER, 7/16" (12.9200)				1		1	1						
	103323	LOCKWASHER, 1/2" (12.9200)				4		4	4	4					
		7.4450 - SEAL, TACHOMETER DRIVE COVER													
5B	3202615	SEAL								1					
		7.4455 - GASKET, TACHOMETER DRIVE COVER ADAPTOR													
	5121344	GASKET (3.4360)										1			
	5104506	GASKET (COVER) (1.5040)				1		1	1	1					
5A	5135935	GASKET				1		1	1						
5A	5116391	GASKET (1.5060)	1	1	1		1								
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER													
5A	5155819	ADAPTOR				1		1	1						
5A	5119003	ADAPTOR	1	1	1		1							1	1
5A	5131708	ADAPTOR											1		
	849330	CAP (ADAPTOR) (SHIPPING)	AR	AR	AR	AR	AR	AR	AR				AR		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 307	309	310	311	312	316	318	324	331	336	346	348	361
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER (CONT'D)													
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE	AR	AR	AR	AR	AR	AR	AR						
5A	**186625**	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2										
	9418964	BOLT, 3/8"-16X5" (12.9001)										4			
	5107931	WASHER (ADAPTOR CAP)	AR	AR	AR	AR	AR	AR	AR				AR		
	5164294	WASHER, 3/8" I.D. X 1/8" THICK (7.1581)										4			
5A	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2						
	114493	LOCKNUT, 5/16"-24 (2.7170)				2	2	2	2						

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 364	373	374	375	395	396	401	402	403	404	406	408
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEM IN 7.4408.												
	5168956	SHAFT ASSY. (3'4")			1									
	1535159	# SHAFT ASSY. (17 1/2")				1								
	1569669	SHAFT ASSY. (15')								1				
		# NOT SERVICED; CUSTOMER TO FABRICATE.												
		7.4408 - CABLE, TACHOMETER DRIVE FLEXIBLE												
	1564996	CABLE ASSY. (17 1/2")				1								
	1535514	CABLE ASSY. (39 3/8")			1									
	1569106	CABLE ASSY. (179 3/8")								1				
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4432.												
	5102577	ADAPTOR (R.H., 1:1 RATIO)		1										
	1565192	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)			1									
	6479384	ADAPTOR (L.H., 1:.400 RATIO, ROTATION CHANGES)					1							
	1565170	ADAPTOR (R.H., 1:1 RATIO)								1				
	1566827	ADAPTOR (L.H., 1:.500 RATIO, ROTATION CHANGES)										1	1	
	5104438	KEY (ADAPTOR TO TACHOMETER)		1	1		1			1		1	1	
	1585564	KEY AND SEAL ASSY.									1			
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
	1582724	+ PLUG			1									
	191758	FITTING, 1/8" LUBE (12.9540)			1									
	178779	FITTING, RELIEF VALVE (12.9540)			1									
		+ OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
	5177232	SHAFT					1				1			

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 364	373	374	375	395	396	401	402	403	404	406	408
		7.4435 - SHAFT, TACHOMETER DRIVE (CONT'D)												
5B	5136686	SHAFT						1						
	5125159	SHAFT							1					
	5134526	SHAFT ASSY.	1											
5A	5155861	SHAFT ASSY.		1									1	1
	5119005	SHAFT ASSY.			1									
5A	5124330	SHAFT ASSY.								1				
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5A	5155818	SLINGER		1	1					1			1	1
		7.4445 - COVER, TACHOMETER DRIVE												
5B	5123118	COVER ASSY. (INCLUDES STUDS)		1						1		1		
5B	5125153	COVER ASSY. (INCLUDES SEAL IN 7.4450)							1					
	5135747	% COVER ASSY. (INCLUDES STUDS)											1	1
5B	5155854	STUD, 5/16" X 1 3/32"		2						2		2	2	2
	179858	BOLT, 7/16"-14X1" (12.9001)							1					
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)							4					
		% NOT SERVICED, FOR SERVICE USE 1-5135572 COVER AND 2-5155854 STUDS.												
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5B	3202615	SEAL							1					
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5A	5135935	GASKET	1	1				1		1		1	1	1
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5A	5155819	ADAPTOR	1	1						1		1	1	1
5A	5119003	ADAPTOR			1									
	5109669	ADAPTOR					1				1			
5A	5135945	ADAPTOR (INCLUDES SEAL IN 7.4458)						1						
	849330	CAP (ADAPTOR) (SHIPPING)	AR				AR	AR	AR		AR	AR		AR
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE	AR				AR	AR	AR		AR	AR		AR
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2						
	186629	BOLT, 5/16"-18X1" (12.9001)	1											
	220625	BOLT, 5/16"-18X1" (12.9001)	1											
	5107931	WASHER (ADAPTOR CAP)	AR				AR	AR	AR		AR	AR		
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2			2		2		2	2	2

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 364	373	374	375	395	396	401	402	403	404	406	408
		7.4457 - ADAPTOR, TACHOMETER DRIVE (CONT'D)												
	114493	LOCKNUT, 5/16"-24 (2.7170)		2						2		2	2	2
		7.4458 - SEAL, TACHOMETER DRIVE ADAPTOR												
	5135820	SEAL						1						

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	411	413	416	419	420	427	428	436	438	444	454
	7.4405	**- SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE**												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.												
	1568936	SHAFT (15')		1							1			
	7.4420	**- ADAPTOR, TACHOMETER DRIVE CABLE**												
		INCLUDES ITEMS IN 7.4432.												
	1565192	ADAPTOR (90 DEG. R.H., 1:.500 RATIO)		1							1			
	6479381	ADAPTOR (L.H., 2:1 RATIO, ROTATION CHANGES)	1									1	1	
5A	**5102047**	*ADAPTOR (90 DEG., 1:1 RATIO)*			1									
	6454324	ADAPTOR (L.H., 1:.250 RATIO, ROTATION CHANGES)				1				1				
	5106764	ADAPTOR (90 DEG., .250:1 RATIO)					1							
	5106768	ADAPTOR (90 DEG., 1:.500 RATIO)							1					
	1588204	+ ADAPTOR (1:.250, WATERPROOF)												1
	5104438	KEY (ADAPTOR TO TACHOMETER)									1	1	1	1
	6453272	KEY				1				1				
	1585564	KEY AND SEAL ASSY.	1											
	186601	BOLT, 1/4"-20X1 1/4" (12.9001)			1									
	9421623	BOLT, 5/16"-18X7/8" (12.9001)			2									
	103319	LOCKWASHER, 1/4" (12.9200)			1									
	103320	LOCKWASHER, 5/16" (12.9200)			2									
		+ OBSOLETE.												
	7.4423	**- DRIVE GEAR AND SHAFT ASSY., TACHOMETER DRIVE**												
		A SHAFT ASSY. INCLUDES SHAFT, GEAR AND BEARING WHICH ARE NOT SOLD SEPARATELY.												
	5138278	+ SHAFT ASSY.					1							
		+ NOT SERVICED, USE 5106764 COMPLETE ASSY. IN 7.4420.												
	7.4425	**- DRIVEN GEAR AND SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR.**												
	5136739	= SHAFT ASSY.					1							
		= NOT SERVICED, USE 5106764 COMPLETE ASSY. IN 7.4420.												
	7.4428	**- HOUSING & BUSHING ASSY., TACHOMETER DRIVE CABLE ADAPTOR**												
	5136678	GASKET					1		1					
	5136682	GASKET					1		1					
	5179613	BOLT, 1/4"-20X1 1/4" (2.7690)					1		1					
	120375	NUT, 1/4"-20 (12.9120)					1		1					
	5115161	NUT, RETAINER, 1/4"-20 (7.1585)							1					

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	411	413	416	419	420	427	428	436	438	444	454
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
	1582724	+ PLUG		1							1			
	191758	FITTING, 1/8" LUBE (12.9540)		1							1			
	178779	FITTING, RELIEF VALVE (12.9540)		1							1			
		+ OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
	5177232	SHAFT	1										1	
5A	5108089	SHAFT			1									
	5139326	SHAFT						1						
	5119005	SHAFT ASSY.				1				1				1
5A	5124330	SHAFT ASSY.		1							1			
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL												
5A	5155818	SLINGER		1		1				1				1
		7.4445 - COVER, TACHOMETER DRIVE												
5B	5123118	COVER ASSY. (INCLUDES STUDS)		1							1			
5B	5125153	COVER ASSY. (INCLUDES SEAL IN 7.4450)						1						
5B	5155854	STUD, 5/16" X 1 3/32"		2							2			
	179858	BOLT, 7/16"-14X1" (12.9001)						1						
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						4						
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5B	3202615	SEAL						1						
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5A	5135935	GASKET		1	1						1			
5A	5135978	GASKET					1		1					
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
	5136249	ADAPTOR			1									
5A	5155819	ADAPTOR		1							1			
5A	5119003	ADAPTOR				1				1				1
	5109669	ADAPTOR	1				1		1					
	5135857	ADAPTOR					1		1					
	5131708	ADAPTOR										1		
	5136969	+ ADAPTOR											1	
	849330	CAP (ADAPTOR) (SHIPPING)						AR				AR		
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE						AR				AR		
	5178219	BOLT ASSY., 5/16"-18X7/8" (WITH SEAL WASHER) (2.2001)					2		2					
	5107931	WASHER (ADAPTOR CAP)						AR				AR		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 410	411	413	416	419	420	427	428	436	438	444	454
	7.4457	**ADAPTOR, TACHOMETER DRIVE (CONT'D)**												
	103320	LOCKWASHER, 5/16" (12.9200)		2							2			
	114493	LOCKNUT, 5/16"-24 (2.7170)		2							2			
		+ OBSOLETE												

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7.4000B TACHOMETER DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 4566	4663	4667	4669	4673	4675	4676	4678	4680	4685	4686	5006
		7.4405 - SHAFT ASSY., TACHOMETER FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.												
	1569668	SHAFT ASSY. (10')	1											
	1536033	SHAFT ASSY. (3 3/4"L)											1	
	1535497	% FERRULE											1	
	845086	NUT, 7/8"-18 (TACHOMETER DRIVE COUPLING) (7.4457)											1	
		% NOT SERVICED, FOR SERVICE USE 1568211 PLUS 6479007 (ADAPTOR KIT, TACHOMETER).												
		7.4408 - CABLE, TACHOMETER DRIVE (FLEXIBLE)												
	6476909	CABLE, ELECTRICAL										1		
	1561330	CABLE ASSY. (119 3/8")	1											
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
		INCLUDES ITEMS IN 7.4423 AND 7.4432.												
5A	**1565192**	ADAPTOR (90 DEG., R.H., 1:.500 RATIO)	1						1					
5A	**1588204**	+ ADAPTOR (1:.250, WATERPROOF)		1										
5A	**5102580**	# ADAPTOR (L.H., 1:.500 RATIO)			1									
5A	**1565170**	ADAPTOR (R.H., 1:1 RATIO)				1								
	1565168	# ADAPTOR (L.H., 1:1 RATIO)						1						
	1566827	# ADAPTOR (L.H., 1:.500 RATIO)								1				
5A	**5104438**	KEY (ADAPTOR TO TACHOMETER)	1	1	1	1	1	1	1	1				
		# CHANGES ROTATION. + OBSOLETE.												
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING												
	1582724	+ PLUG	1			1		1	1	1				
5A	**191758**	FITTING, 1/8" LUBE (12.9540)	1			1		1	1	1				
	178779	FITTING, RELIEF VALVE (12.9540)	1			1		1	1	1				
		+ OBSOLETE.												
		7.4435 - SHAFT, TACHOMETER DRIVE												
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.												
	5119005	SHAFT ASSY.	1	1										

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4456	4463	4667	4669	4673	4675	4676	4678	4680	4685	4686	5006
	7.4435	**- SHAFT, TACHOMETER DRIVE (CONT'D)**												
5A	**5135936**	SHAFT			1	1	1	1	1	1	1			
5A	**5123863**	SHAFT												1
	7.4440	**- SLINGER, TACHOMETER DRIVE SHAFT OIL**												
	5155818	SLINGER	1	1										
	7.4445	**- COVER, TACHOMETER DRIVE**												
	5123118	COVER ASSY. (INCLUDES STUDS)			1	1	1	1	1	1				
	5135747	+ COVER ASSY. (INCLUDES STUDS)									1			
5B	**5124240**	COVER ASSY. (INCLUDES SEAL IN 7.4450)											1	
	5155854	*STUD, 5/16" X 1 3/32"*			2	2	2	2	2	2	2			
	179857	BOLT, 7/16"-14X7/8" (12.9001)									4			
	179858	BOLT, 7/16"-14X1" (12.9001)											1	
	122408	BOLT, 1/2"-13X1" (12.9001)			4	4	4	4	4	4				
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)											4	
	5150568	WASHER, 7/16" COPPER (12.9190)			AR	AR	AR	AR	AR	AR	AR			
	103323	LOCKWASHER, 1/2" (12.9200)			4	4	4	4	4	4				
		+ NOT SERVICED, FOR SERVICE USE 5135572 AND 2-5155854 STUDS.												
	7.4450	**- SEAL, TACHOMETER DRIVE COVER**												
5B	**3202615**	SEAL											1	
	7.4455	**- GASKET, TACHOMETER DRIVE ADAPTOR**												
	5116391	GASKET (1.5060)		1										
	5104507	GASKET (COVER) (1.5040)			1	1	1	1	1	1				
	5135935	GASKET (ADAPTOR)			1	1	1	1	1	1	1			
	5135600	GASKET (COVER) (1.5040)									1			
	7.4457	**- ADAPTOR, TACHOMETER DRIVE**												
5A	**5135945**	ADAPTOR ASSY. (INCLUDES SEAL IN 7.4458)			1	1	1	1	1	1	1			
5B	**5158289**	ADAPTOR											1	
5A	**5119003**	ADAPTOR	1	1										
	5175266	ADAPTOR												1
	849330	CAP (ADAPTOR) (SHIPPING)					AR			AR	AR			AR
	5105107	*CAP (ADAPTOR) (SHIPPING) PORTUGUESE*					AR			AR	AR			AR
	186618	*BOLT, 5/16"-18X5/8" (12.9001)*												2
	186625	BOLT, 5/16"-18X7/8" (12.9001)		2										

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7.4000B TACHOMETER DRIVE

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 456	463	467	469	473	475	476	478	480	485	486	506
		7.4457 - ADAPTOR, TACHOMETER DRIVE (CONT'D)												
	5107931	WASHER (ADAPTOR CAP)					AR			AR				AR
5A	103320	LOCKWASHER, 5/16" (12.9200)		2	2	2	2	2	2	2	2			2
	114493	LOCKNUT, 5/16"-24 (2.7170)		2	2	2	2	2	2	2	2			
		7.4458 - SEAL, TACHOMETER DRIVE ADAPTOR												
	5135820	SEAL			1	1	1	1	1	1	1			
		7.4470 - GENERATOR, A. C. TACHOMETER (ELECTRIC)												
	6469151	GENERATOR										1		
	5135935	GASKET										1		
	9421623	SCREW, 5/16"-18X7/8" (12.9001)										2		
	103320	LOCKWASHER, 5/16" (12.9200)										2		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 507	508	515	516	517	522	528	530	534	536	538
	7.4405	**- SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE**											
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES. A SHAFT ASSY. INCLUDES ITEMS IN 7.4408.											
5B	**1536443**	SHAFT ASSY. (15')										1	
5B	**1582149**	SHAFT ASSY. (60"L.)											1
	7.4408	**- CABLE, TACHOMETER DRIVE FLEXIBLE**											
	1569106	CABLE ASSY. (179 3/8")									1	1	
	7.4420	**- ADAPTOR, TACHOMETER DRIVE CABLE**											
5A	**1565192**	ADAPTOR (90 DEG., R.H., 1:.500 RATIO)						1					
5A	**1588204**	+ ADAPTOR (1:.250, WATERPROOF)		1									
5C	**5145977**	# @ ADAPTOR (1:.200 RATIO., DIA. OUTPUT)			1								
5C	**5106773**	# ADAPTOR (1:.400 RATIO., OUTPUT)				1							
5A	**1587515**	ADAPTOR (1:.500 RATIO, WATERPROOF)							1	1			
	5145978	ADAPTOR (90 DEG., 1:.200 RATIO, CHANGES ROTATION)								1	1		
5A	**5104438**	KEY (ADAPTOR TO TACHOMETER)		1				1	1	1			
		# CHANGES ROTATION. @ NOT SERVICED; CONVERT TO TYPE 534. + OBSOLETE.											
	7.4421	**- GASKET, TACHOMETER DRIVE CABLE ADAPTOR**											
	5136678	GASKET (7.4428)								1	1		
	7.4423	**- DRIVE GEAR AND SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR**											
		A SHAFT ASSY. INCLUDES SHAFT, GEAR AND BEARING WHICH ARE NOT SOLD SEPARATELY.											
5C	**5145974**	SHAFT ASSY.			1					1	1		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 507	508	515	516	517	522	528	530	534	536	538
		7.4423 - DRIVE GEAR AND SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR (CONT'D)											
5C	**5106595**	* SHAFT ASSY.				1							
		7.4425 - DRIVEN GEAR AND SHAFT ASSY., TACHOMETER DRIVE CABLE ADAPTOR											
	5145972	SHAFT ASSY.			1					1	1		
	5106618	* SHAFT ASSY.				1							
		7.4428 - HOUSING AND BUSHING ASSY., TACHOMETER DRIVE CABLE ADAPTOR											
	5145975	HOUSING AND SHAFT ASSY.			1								
	5145976	HOUSING AND SHAFT ASSY.								1	1		
	5106759	HOUSING AND SHAFT ASSY.				1							
	5136679	SLEEVE & BUSHING ASSY.			1	1				1	1		
	5136680	HOUSING ASSY., TACH. DRIVE			1	1				1	1		
		7.4432 - PLUG, TACHOMETER DRIVE ADAPTOR BEARING											
	1582724	+ PLUG						1					
5A	**191758**	FITTING, 1/8" LUBE (12.9540)						1					
	178779	FITTING, RELIEF VALVE (12.9540)						1					
		+ OBSOLETE.											
		7.4433 - CLAMP, TACHOMETER DRIVE ADAPTOR RETAINING											
5C	**5146410**	CLAMP			1	1					1		
5C	**5179613**	BOLT, 1/4"-20X1 1/4" (2.7690)			1	1					1		
5C	**120375**	NUT, 1/4"-20 (12.9120)			1	1					1		
		7.4434 - SHAFT, TACHOMETER AND BLOWER DRIVE											
5C	**5144511**	SHAFT			1	1					1		
		7.4435 - SHAFT, TACHOMETER DRIVE											
		A SHAFT ASSY. INCLUDES SLINGER IN 7.4440.											
5A	**5139367**	SHAFT (24"L)							1				
	5119005	SHAFT ASSY.		1						1			
	5124330	SHAFT ASSY.					1						
5A	**5144683**	SHAFT	1					1					

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 507	508	515	516	517	522	528	530	534	536	538
		7.4440 - SLINGER, TACHOMETER DRIVE SHAFT OIL											
	5155818	SLINGER		1			1			1			
		7.4445 - COVER, TACHOMETER DRIVE											
5C	**5144662**	COVER (FLANGED)			1	1					1		
	5123118	COVER ASSY. (INCLUDES STUDS)	1					1					
	5155854	STUD, 5/16" X 1 3/32"	2					2					
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR											
	5135935	GASKET (ADAPTOR)					1	1					
5C	**5136678**	GASKET (7.4428)			1	1							
		7.4457 - ADAPTOR, TACHOMETER DRIVE											
5A	**5135945**	ADAPTOR ASSY. (INCLUDES SEAL IN 7.4458)	1					1	1				
5A	**5119003**	ADAPTOR		1						1			
	5155819	ADAPTOR					1						
	849330	CAP (ADAPTOR) (SHIPPING)	AR				AR			AR			
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE	AR				AR			AR			
	5107931	WASHER (ADAPTOR CAP)	AR				AR		AR	AR			AR
5A	**103320**	LOCKWASHER, 5/16" (12.9200)	2				2	2					
	114493	LOCKNUT, 5/16"-24 (2.7170)	2				2	2					
		7.4458 - SEAL, TACHOMETER DRIVE ADAPTOR											
	5135820	SEAL	1					1					
		7.4470 - GENERATOR, A. C. TACHOMETER (ELECTRIC)											
	5135935	GASKET	1										

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7.4000B TACHOMETER DRIVE

	PART NUMBER	NAME AND DESCRIPTION	TYPES 539	546	547	548	549	550	551	555	556	557	558	565
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		FOR TYPE 566 USE TYPE 653. SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.												
	6478819	SHAFT ASSY. (3.24"L.)							1					
5B	**6478556**	SHAFT ASSY. (40"L.)										1		
5B	**6478557**	SHAFT ASSY. (47.5"L.)									1			
5B	**1582149**	SHAFT ASSY. (60"L.)												1
5B	**1583466**	SHAFT ASSY. (120"L.)					1							
5B	**1536443**	SHAFT ASSY. (180"L.)					1							
	6478821	COUPLING					1							
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
5A	**5102050**	ADAPTOR (L.H., 1:.500 RATIO, OUTPUT) (CHANGES ROTATION)	1			1								
5A	**5102048**	ADAPTOR (L.H., 1:1 RATIO, OUTPUT) (CHANGES ROTATION)						1						
5A	**5102047**	ADAPTOR (R.H., 1:1 RATIO, OUTPUT)								1			1	
5A	**5102049**	ADAPTOR (R.H., 1:.500 RATIO, OUTPUT)		1	1									
		7.4435 - SHAFT, TACHOMETER DRIVE												
5A	**5108090**	SHAFT (2.12"L.)	1	1										
5A	**5108089**	SHAFT (2.38"L.)			1	1		1		1			1	
		7.4445 - COVER, TACHOMETER DRIVE												
	5123118	COVER ASSY. (INCLUDES STUDS)	1	1	1	1		1		1				
5B	**5124240**	COVER ASSY. (INCLUDES SEAL IN 7.4450)							1					
	5155854	STUD, 5/16" X 1 3/32" L.	2	2	2	2		2		2				
	179857	BOLT, 7/16"-14X7/8" (12.9001)			1								1	
	179858	BOLT, 7/16"-14X1" (12.9001)						4						
	122408	BOLT, 1/2"-13X1" (12.9001)						4					4	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)						4	4					
	103322	LOCKWASHER, 7/16" (12.9200)						1					1	
	103323	LOCKWASHER, 1/2" (12.9200)						4					4	
		7.4450 - SEAL, TACHOMETER DRIVE COVER												
5B	**3202615**	SEAL							1					

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5539	5446	5447	5448	5449	5550	5551	5555	5556	5557	5558	5565
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5A	**5135935**	GASKET (ADAPTOR)	1	1	1	1		1		1			1	
	5104506	GASKET (COVER) (1.5040)						1					1	
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5A	**5136249**	ADAPTOR	1	1	1	1		1		1			1	
5A	**5123917**	ADAPTOR				1			1					
	849330	CAP (ADAPTOR) (SHIPPING)		AR										
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE		AR										
5A	**186647**	BOLT, 1/4"-20X1" (12.9001)	1	1	1	1		1		1				
	5107931	WASHER (ADAPTOR CAP)		1						1				
5A	**103319**	LOCKWASHER, 1/4" (12.9200)	1	1		1		1		1				
5A	**103320**	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR		AR		AR				
	114493	LOCKNUT, 5/16"-24 (2.7170)	2	2	2	2		2		2				

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7.4000B TACHOMETER DRIVE

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 569	572	573	574	575	577	578	580	582	584	589	590
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE												
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.												
5B	**1583466**	SHAFT ASSY. (120"L.)			1								1	
5B	**1536443**	SHAFT ASSY. (180"L.)		1										2
	6478821	COUPLING												1
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE												
5A	**5102051**	ADAPTOR (R.H., 1:.250 RATIO, OUTPUT)	1											
5A	**5102049**	ADAPTOR (R.H., 1:.500 RATIO, OUTPUT)			1		1			1				
5A	**5148410**	ADAPTOR (L.H., 2:1 RATIO, OUTPUT)				1			1					
5A	**5102052**	ADAPTOR (L.H., 1:.250 RATIO, OUTPUT)						1						
5A	**5148409**	ADAPTOR (R.H., 2:1 RATIO, OUTPUT)										1		
5A	**5102047**	ADAPTOR (R.H., 1:1 RATIO, OUTPUT)									1			
		7.4435 - SHAFT, TACHOMETER DRIVE												
5A	**5108090**	SHAFT (2.12"L.)		1			1		1					
5A	**5108089**	SHAFT (2.38"L.)				1					1	1		
5A	**5136372**	SHAFT (3 1/8"L.)	1		1			1		1				
		7.4445 - COVER, TACHOMETER DRIVE												
	5123118	COVER ASSY. (INCLUDES STUDS)					1		1		1	1		
	5155854	STUD, 5/16" X 1 3/32" L.				2	2		2		2	2		
	179857	BOLT, 7/16"-14 X 7/8" (12.9001)									1			
	122408	BOLT, 1/2"-13 X 1" (12.9001)									4			
	103322	LOCKWASHER, 7/16" (12.9200)									1			
	103323	LOCKWASHER, 1/2" (12.9200)									4			
		7.4455 - GASKET, TACHOMETER DRIVE ADAPTOR												
5A	**5135935**	GASKET (ADAPTOR)				1	1		1		1	1		
		7.4457 - ADAPTOR, TACHOMETER DRIVE												
5A	**5136249**	ADAPTOR				1	1		1		1			
5A	**5145913**	ADAPTOR	1		1			1		1				
	849330	CAP (ADAPTOR) (SHIPPING)						AR		AR	AR			
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE						AR		AR				

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 569	572	573	574	575	577	578	580	582	584	589	590
		7.4457 - ADAPTOR, TACHOMETER DRIVE (CONT'D)												
5A	**186647**	BOLT, 1/4"-20X1" (12.9001)			1	1	1		1		1	1		
	5107931	WASHER (ADAPTOR CAP)						1		1	1			
5A	**103319**	LOCKWASHER, 1/4" (12.9200)			1	1	1		1		1	1		
5A	**103320**	LOCKWASHER, 5/16" (12.9200)				AR	AR		AR		AR	AR		
	114493	LOCKNUT, 5/16"-24 (2.7170)				2	2		2		2	2		

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5911	6000	6001	6007	6511	6531	7155
		7.4405 - SHAFT ASSY., TACHOMETER DRIVE FLEXIBLE							
		SEE GROUP 12.8000B FOR MATERIAL AVAILABLE FOR FABRICATION OF FLEXIBLE SHAFT ASSEMBLIES AND CABLES.							
5B	**6478558**	SHAFT ASSY. (72.5"L.)					1		
5B	**1583466**	SHAFT ASSY. (120"L.)	2						
	6478821	COUPLING	1						
		7.4420 - ADAPTOR, TACHOMETER DRIVE CABLE							
5A	**5102048**	ADAPTOR (L.H., 1:1 RATIO, OUTPUT) (CHANGES ROTATION)						1	
	5102049	ADAPTOR (1.250 RATIO)							1
		7.4435 - SHAFT, TACHOMETER DRIVE							
5A	**5108090**	SHAFT (2.12"L.)						1	
5A	**5139367**	SHAFT (2.4"L.)			1				
5A	**5179903**	SHAFT		2		2			
5A	**5108089**	SHAFT (2.38" L.)							1
		7.4445 - COVER, TACHOMETER DRIVE							
	5123118	COVER ASSY. (INCLUDES STUDS)						1	1
5B	**5125153**	COVER ASSY. (INCLUDES SEAL IN 7.4450)		2		2			
	5135747	# COVER ASSY. (INCLUDES STUDS)			1				
	5155854	STUD, 5/16" X 1 3/32" L.			2			2	2
	179858	BOLT, 7/16"-14X1" (12.9001)		2		2			
	5116911	BOLT, 1/2"-13X1" (2.3530)				2			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		8		6			
		# NOT SERVICED, FOR SERVICE USE 5135572 AND 2-5155874 STUDS.							
		7.4450 - SEAL, TACHOMETER DRIVE COVER							
5B	**3202615**	SEAL		2		2			
		7.4455 - GASKET, TACHOMETER DRIVE COVER ADAPTOR							
5A	**5135935**	GASKET (ADAPTOR)			1			1	1
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER							
5A	**5136249**	ADAPTOR						1	1
5A	**5135945**	ADAPTOR (INCLUDES SEAL IN 7.4458)			1				
	849330	CAP (ADAPTOR) (SHIPPING)		AR	AR	AR			AR

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7.4000B TACHOMETER DRIVE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5911	6000	6001	6007	6511	6531	7115
		7.4457 - ADAPTOR, TACHOMETER DRIVE COVER (CONT'D)							
	5105107	CAP (ADAPTOR) (SHIPPING) PORTUGUESE		AR	AR	AR			AR
5A	**186647**	BOLT, 1/4"-20X1" (12.9001)						1	1
	5107931	WASHER (ADAPTOR CAP)		2		2			1
5A	**103319**	LOCKWASHER, 1/4" (12.9200)						1	1
5A	**103320**	LOCKWASHER, 5/16" (12.9200)			2			2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)			2			2	2
		7.4458 - SEAL, TACHOMETER DRIVE COVER ADAPTOR							
	5135820	SEAL			1				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 326	350	351	352	354	355	362	363	364	367	368	369
		7.4505 - SWITCH, WATER TEMPERATURE												
	5146080	SWITCH					1	1						
6A	5120976	VALVE ASSY. (200 DEG.)	1	1	1				1	1	1	1	1	1
	5109717	PLUNGER	1	1	1				1	1	1	1	1	1
	5109719	SPRING	1	1	1				1	1	1	1	1	1
	5163830	GASKET (7.4586)	1	1	1				1	1	1	1	1	1
	5121182	PLUG, 1/4" PIPE (2.4015)					1							
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2											
	178378	LOCKWASHER, #10 INT. EXT. TOOTH (12.9215)					1	1						
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2				2	2	2	2	2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)		2	2				2	2	2	2	2	2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
6A	5109718	ADAPTOR ASSY.	1	1	1				1	1	1	1	1	1
	5113655	STUD, 5/16"-18-24X2.46" (IN EXHAUST MANIFOLD)		2	2				2	2	2	2	2	2
	5121182	PLUG, 1/4" PIPE (2.4015)		1					1	1	1	1	1	1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)	1	1	1				1	1	1	1	1	1
		7.4513 - BELL, ALARM SYSTEM												
	8921360	BELL					1	1						
		7.4514 - RELAY, ALARM BELL												
	3290747	RELAY					1	1						
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118128	* SOLENOID (12V.)				1								
	179795	BOLT, 1/4"-20X5/8" (12.9001)				4								
	120392	WASHER, 1/4" (12.9190)				4								
	103319	LOCKWASHER, 1/4" (12.9200)				4								
	120375	NUT, 1/4"-20 (12.9120)				4								
		* PROCURE FROM AC DELCO.												
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET)												
	5146238	WIRE ASSY. (57" L.) (2.9422)		1	1							1	1	1
	3290569	CLIP		1	1							1	1	1
	5126538	PLATE, INSTRUCTION										1	1	1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3126	3501	3512	3524	3555	3622	3633	3644	3667	3688	3699
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET) (CONT'D)											
	181309	BOLT, 1/4"-28X1/2" (12.9001)		2	2								
	103319	LOCKWASHER, 1/4" (12.9200)		2	2								
	110730	LOCKWASHER, 3/8" (12.9200)									1	1	1
	121902	NUT, 1/4"-28 (12.9120)		2	2								
	124925	NUT, 3/8"-24 (12.9120)									1	1	1
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID											
	5140279	BRACKET				1							
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)				2							
		7.4532 - LEVER, AIR SHUT-OFF RESET											
	5124853	PIN AND LEVER ASSY. (3.3130)		1	1						1	1	1
	273669	PIN, 5/64"X7/16" STRAIGHT (12.9300)		1	1						1	1	1
	455734	PIN, 1/8"X3/4" STRAIGHT (12.9300)									1	1	1
	140881	SCREW, #10-32X5/16" (12.9076)		1	1						1	1	1
	120385	WASHER, #12 (12.9190)		1	1						1	1	1
	5168374	NUT (3.3090)		1	1						1	1	1
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL											
6A	5115836	LINK (BELLOWS TO LATCH)	1	1	1			1	1	1	1	1	1
	5124918	LINK				1							
	5124916	SPACER, 9/32" I.D. X .30"				1							
	5124849	SPACER, 25/64" I.D. X .76"		1	1						1	1	1
	5186592	PIN, CLEVIS	1					1	1	1	1	1	1
	112526	PIN, 1/16"X3/8" COTTER (12.9250)	1	1	1	1		1	1	1	1	1	1
	5124846	BOLT, 1/4"-28 (3.3110)		1	1	1					1	1	1
	120380	LOCKWASHER, 1/4" (12.9200)				1							
	114492	NUT, 1/4"-28 (12.9120)		1	1	3					1	1	1
		7.4550 - HOUSING, AIR SHUT-OFF CONTROL											
6A	5113159	HOUSING	1					1	1	1			
6A	5124850	+ HOUSING		1	1								1
6A	5124851	HOUSING									1	1	
	5155782	CLIP, 3/16" TUBE, 1/4" BOLT (7.8320)		1	1						1	1	1
	186676	BOLT, 1/4"-20X5/8" (12.9001)	1	1	1			1	1	1	1	1	1
	181309	BOLT, 1/4"-28X1/2" (12.9001)		1	1						1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)	1	2	2			1	1	1	2	2	1
	121902	NUT, 1/4"-28 (12.9120)		1	1						1	1	1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3266	3500	3511	3522	3544	3555	3662	3663	3664	3667	3668	3669
		7.4553 - COVER, AIR SHUT-OFF CONTROL HOUSING												
	5113160	COVER	1	1	1				1	1	1	1	1	1
	271169	NUT, #10-32 (WITH LOCKWASHER)	2	2	2				2	2	2	2	2	2
		7.4557 - LATCH, AIR SHUT-OFF RESET												
6A	5114727	LATCH (3.3090)	1						1	1	1			
	5113633	SPACER, 17/64" X 7/8" (3.3090)	1						1	1	1			
	112526	PIN, 1/16"X3/8" COTTER (12.9250)	1						1	1	1			
	5115204	BOLT, 1/4"-28X1 1/4" (RELEASE LATCH) (7.4519)	1						1	1	1			
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1						1	1	1			
	120392	WASHER, 1/4" (12.9190)	1						1	1	1			
	120380	LOCKWASHER, 1/4" (12.9200)	1						1	1	1			
	114492	NUT, 1/4"-28 (12.9120)	AR						AR	AR	AR			
		7.4560 - SPRING, AIR SHUT-OFF RESET LATCH												
	5124852	SPRING (RESET WIRE RETURN) (3.3070)		1	1							1	1	1
		7.4586 - SWITCH, OIL PRESSURE												
	5100722	SWITCH (10# BREAK)		1	1		1	1						
6A	5186528	BELLOWS ASSY.	1						1	1	1	1	1	1
	5179150	TEE, 1/8" P.T. X 90 DEG.					1							
	9409943	TEE (1/8" P.T.)					1	1						
	5100136	ADAPTOR, 1/8" PIPE (12.9570)					1							
	1508350	FITTING, 1/8" RESTRICTED					1							
	443762	EXTENSION (12.9540)						1						
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9025)	4	4	4				4	4	3	3		4
	120217	LOCKWASHER, #10 (12.9200)	4				4	4						
	178378	LOCKWASHER, #10 INT.-EXT. TOOTH (12.9215)					1							
	271169	NUT, #10-32 (WITH LOCKWASHER)	4	4	4				4	4	4	4	4	4
	120614	NUT, #10-32 (12.9120)					2	2						
		7.4596 - TUBE, OIL PRESSURE SWITCH												
	5121433	TUBE ASSY. (21.5" DEV. L.) (SUPPLY)	1											
	5124233	TUBE ASSY. (22.24" DEV. L.) (SUPPLY)							1					
	5125612	TUBE ASSY. (29.5" DEV. L.) (SUPPLY)								1	1			
	5125030	@ TUBE ASSY. (32.24" DEV. L.) (TO BELLOWS)		1										
	5121436	TUBE ASSY. (38.62" DEV. L.) (TO BELLOWS)	1											
	5125613	TUBE ASSY. (45.22" DEV. L.) (TO BELLOWS)								1	1			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 326	350	351	352	354	355	362	363	364	367	368	369
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)												
	5124220	TUBE ASSY. (47" DEV. L.) (TO BELLOWS)							1					
	5120483	TUBE (17.26" DEV. L.) (SUPPLY)		1	1									
	5124891	@ TUBE (29" DEV. L.) (TO BELLOWS)			1							1	1	1
	5125910	TUBE ASSY. (18.7" DEV. L.) (SUPPLY)										1	1	
	5126221	TUBE ASSY. (27.1" DEV. L.) (TO BELLOWS)												1
	5126228	TUBE ASSY. (38.58" DEV. L.) (TO BELLOWS)												1
	5122900	ELBOW, .055" RESTRICTION (IN BLOCK)	1						1	1	1	1	1	1
	5177492	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9425)		1	1									
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)							1	1	1	1	1	1
	5177491	CONNECTOR, 5/16" SEALASTIC (12.9415)		AR	AR									
	5116903	VALVE ASSY., 1/8" PIPE (1.1001)		1	1									
	178996	TEE, 1/8" PIPE (12.9490)		1	1									
	9409943	TEE, 1/4" PIPE		1	1									
	9413261	TEE, 5/16" INV. FL. TUBE X 1/4" PIPE (IN VALVE) (12.9490)	1						1	1	1	1	1	1
	442347	TEE, 5/16" INV. FL. TUBE (IN BELLOWS) (12.9490)	1											
	5177493	SEAL RING, 5/16" TUBE (12.9435)		4	4									
	112877	BUSHING, 1/4"X1/8" RED. PIPE (BRASS) (12.9570)	1	1	1									
	5124886	NIPPLE (RESTRICTED)		1	1									
	5173134	BRACKET										1		
	5184060	BRACKET (4.6040)												1
	3290459	CLIP (2.5220)		AR	AR				2	2	2	AR	AR	AR
	5159490	CLIP, 5/16" (7.4076)	1	1	1									
	5167116	CLIP, 5/16" (1.1145)	1											
	5121182	PLUG, 1/4" PIPE (2.4015)		1	1									
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1		1
	103320	LOCKWASHER, 5/16" (12.9200)										1		1
	114493	LOCKNUT, 5/16"-24 (2.7170)										1		1
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)		4	4									
		@ OBSOLETE.												
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN												
	5121434	TUBE ASSY. (20.25" DEV. L.)	1						1					
	5124909	TUBE (15.32" DEV. L.)		1	1									
	5125615	TUBE ASSY. (18.5" DEV. L.)								1	1			
	5126225	+ TUBE ASSY. (15.5" DEV. L.)										1	1	
	5126226	+ TUBE ASSY. (15.5" DEV. L.)												1
	9432248	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (IN BLOCK) (12.9480)							1	1	1	1	1	1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 326	350	351	352	354	355	362	363	364	367	368	369
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN (CONT'D)												
	9432264	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1											
	5138304	CONNECTOR ASSY., 5/16" SEALASTIC (12.9415)		2	2									
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)							1	1	1	1	1	1
	5177493	SEAL RING, 5/16" TUBE (12.9435)		2	2									
	442347	TEE, 1/8" PIPE (12.9490)	1											
	112877	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)		1	1									
	3290459	CLIP, 5/16" (2.5220)	1											
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)		2	2									
		+ OBSOLETE												
		7.4598 - SWITCH, ALARM SHUT-OFF (FUEL)												
	3292162	SWITCH, TOGGLE					1	1						
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5134505	GOVERNOR ASSY.									1		1	
6B	140875	SCREW, #10-24X3/4" SET (12.9076)									1		1	
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
6B	5124967	ADAPTOR									1		1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	375	376	377	378	379	380	381	388	389	390	391
		7.4505 - SWITCH, WATER TEMPERATURE												
6A	5120976	VALVE ASSY. (200 DEG.)	1		1	1	1	1	1	1	1	1	1	1
	5109717	PLUNGER	1		1	1	1	1	1	1	1	1	1	1
	5109719	SPRING	1		1	1	1	1	1	1	1	1	1	1
	5163830	GASKET (7.4586)	1		1	1	1	1	1	1	1	1	1	1
	103320	LOCKWASHER, 5/16" (12.9200)			2	2	2	2	2	2	2	2	2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)	2		2	2	2	2	2	2	2	2	2	2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
6A	5109718	ADAPTOR ASSY.	1		1	1	1	1	1	1	1	1	1	1
	5113655	STUD, 5/16"-18-24X2.46" (IN EXHAUST MANIFOLD)	2		2	2	2	2	2	2	2	2	2	2
	5121182	PLUG, 1/4" PIPE (2.4015)	1		1	1	1	1	1	1			1	1
	444692	PLUG, 1/4" PIPE (12.9550)									1	1		
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)	1		1	1	1	1	1	1	1	1	1	1
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118128	* SOLENOID (12V.)		1										
	186676	BOLT, 1/4"-20X5/8" (12.9001)		4										
	103319	LOCKWASHER, 1/4" (12.9200)		4										
	120375	NUT, 1/4"-20 (12.9120)		4										
		* PROCURE FROM AC DELCO.												
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET)												
	5146238	WIRE ASSY. (57" L.) (2.9422)	1								1	1		
	3290569	CLIP	1											
	5126538	PLATE, INSTRUCTION	1											
	110730	LOCKWASHER, 3/8" (12.9200)	1								1	1		
	124925	NUT, 3/8"-24 (12.9120)	1								1	1		
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID												
	5125862	BRACKET		1										
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2										
	103321	LOCKWASHER, 3/8" (12.9200)		2										
		7.4532 - LEVER, AIR SHUT-OFF RESET												
	5124853	PIN AND LEVER ASSY. (3.3130)	1								1	1		
	273669	PIN, 5/64"X7/16" STRAIGHT (12.9300)	1								1	1		
	455734	PIN, 1/8"X3/4" STRAIGHT (12.9300)	1									1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	375	376	377	378	379	380	381	388	389	390	391
		7.4532 - LEVER, AIR SHUT-OFF RESET (CONT'D)												
	140881	SCREW, #10-32X5/16" (12.9076)	1								1	1		
	120385	WASHER, #12 (12.9190)	1								1	1		
	5168374	NUT (3.3090)									1	1		
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
6A	5115836	LINK (BELLOWS TO LATCH)			1	1	1	1		1	1	1	1	1
	5125863	CLIP (LINK) (7.4519)		1										
	5124849	SPACER, 25/64" I.D. X .76"	1								1	1		
	5186592	PIN, CLEVIS			1	1	1	1	1	1	1	1	1	1
	112526	PIN, 1/16"X3/8" COTTER (12.9250)	1		1	1	1	1		1	1	1	1	1
	5124846	BOLT, 1/4"-28 (3.3110)	1								1	1		
	114492	NUT, 1/4"-28 (12.9120)	1	2							1	1		
		7.4550 - HOUSING, AIR SHUT-OFF CONTROL												
6A	5113159	HOUSING			1	1	1	1	1	1			1	1
6A	5124850	* HOUSING	1								1			
6A	5124851	HOUSING										1		
	5155782	CLIP, 3/16" TUBE, 1/4" BOLT (7.8320)	1								1	1		
	186676	BOLT, 1/4"-20X5/8" (12.9001)	1		1	1	1	1		1	1	1	1	1
	181309	BOLT, 1/4"-28X1/2" (12.9001)	1								1	1		
	103319	LOCKWASHER, 1/4" (12.9200)	2		1	1	1	1		1	2	2	1	1
	121902	NUT, 1/4"-28 (12.9120)	1								1	1		
		* OBSOLETE.												
		7.4553 - COVER, AIR SHUT-OFF CONTROL HOUSING												
	5113160	COVER	1		1	1	1	1		1	1	1	1	1
	271169	NUT, #10-32 (WITH LOCKWASHER)	2		2	2	2	2		2	2	2	2	2
		7.4557 - LATCH, AIR SHUT-OFF RESET												
6A	5114727	LATCH (3.3090)			1	1	1	1	1	1	1	1	1	1
	5113633	SPACER, 17/64" X 7/8" (3.3090)			1	1	1	1	1	1	1	1	1	1
	112526	PIN, 1/16"X3/8" COTTER (12.9250)			1	1	1	1	1	1	1	1	1	1
	5115204	BOLT, 1/4"-28X1 1/4" (RELEASE LATCH) (7.4519)			1	1	1	1	1	1	1	1	1	1
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)			1	1	1	1	1	1	1	1	1	1
	120392	WASHER, 1/4" (12.9190)			1	1	1	1	1	1	1	1	1	1
	120380	LOCKWASHER, 1/4" (12.9200)			1	1	1	1	1	1	1	1	1	1
	114492	NUT, 1/4"-28 (12.9120)			1	1	1	1	AR	AR	1	1	1	1
		7.4560 - SPRING, AIR SHUT-OFF RESET LATCH												
	5124852	SPRING (RESET WIRE RETURN) (3.3070)	1								1	1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	375	376	377	378	379	380	381	388	389	390	391
		7.4586 - SWITCH, OIL PRESSURE												
6A	5186528	BELLOWS ASSY.			1	1	1	1	1	1	1	1	1	1
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9025)	4		4	4	4	4	4	4	4	7	4	4
	271169	NUT, #10-32 (WITH LOCKWASHER)	4		4	4	4	4	4	4	4	4	4	4
		7.4596 - TUBE, OIL PRESSURE SWITCH												
	5124233	TUBE ASSY. (22.24" DEV. L.) (SUPPLY)							1	1				
	5124220	TUBE ASSY. (47" DEV. L.) (TO BELLOWS)							1	1				
	5125910	TUBE ASSY. (18.7" DEV. L.) (SUPPLY)	1								1	1		
	5126488	TUBE ASSY. (18.12" DEV. L.) (SUPPLY)											1	1
	5125665	TUBE ASSY. (20.24" DEV. L.) (SUPPLY)			1	1	1	1						
	5127166	TUBE ASSY. (22.56" DEV. L.) (TO BELLOWS)									1			
	5127165	TUBE ASSY. (22.56" DEV. L.) (TO BELLOWS)										1		
	5126222	TUBE ASSY. (27.1" DEV. L.) (TO BELLOWS)	1											
	5126177	TUBE ASSY. (38.74" DEV. L.) (TO BELLOWS)			1	1								
	5126176	TUBE ASSY. (38.74" DEV. L.) (TO BELLOWS)					1	1					1	1
	5122900	ELBOW OIL PRESS. SWITCH	1		1	1	1	1	1	1	1	1	1	1
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1			1		1	1	1			1	
	5126395	TEE, 5/16" INV. FL. TUBE X 1/8" PIPE 90 DEG. (IN BELLOWS)				1		1						1
	9413261	TEE, 5/16" INV. FL. TUBE X 1/4" PIPE (IN VALVE) (12.9490)	1		1	1	1	1	1	1			1	1
	5126391	TEE, 5/16" INV. FL. TUBE X 1/4" PIPE 90 DEG. (IN VALVE)									1	1		
	442347	TEE, 5/16" INV. FL. TUBE (IN BELLOWS) (12.9490)									1	1		
	5173134	BRACKET									1	1		
	3290459	CLIP (2.5220)	AR		1	1	1	1	2	2		AR	1	1
	5163529	CLIP									1			
	5177623	CLIP, 5/16"			1	1	1	1	1	1			1	1
	181333	BOLT, 5/16"-24X5/8" (12.9001)									1	1		
	100014	BOLT, 5/16"-24X1" (12.9001)			1	1	1	1					1	1
	103320	LOCKWASHER, 5/16" (12.9200)			1	1	1	1			1	1	1	1
	114493	LOCKNUT, 5/16"-24 (2.7170)			1	1	1	1			1	1	1	1
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN												
	5121434	TUBE ASSY. (20.25" DEV. L.)							1	1				
	5126225	+ TUBE ASSY. (15.5" DEV. L.)										1		
	5126226	+ TUBE ASSY. (15.5" DEV. L.)	1								1			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 370	375	376	377	378	379	380	381	388	389	390	391
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN (CONT'D)												
	5125664	TUBE ASSY.			1	1	1	1					1	1
	9432248	ELBOW, 3/8"-90 DEG. INV. FL. TUBE (IN BLOCK) (12.9480)	1								1	1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)	1		1	1	1	1			1	1	1	1
	9432266	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1	1	1	1					1	1
		+ OBSOLETE												
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5134505	GOVERNOR ASSY.	1			1		1		1	1	1		1
6B	**140875**	SCREW, #10-24X3/4" SET (12.9076)	1			1		1		1	1	1		1
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
6B	**5124967**	ADAPTOR	1			1		1		1	1	1		1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	394	395	396	397	403	405	409	410	413	414
		7.4505 - SWITCH, WATER TEMPERATURE												
6A	5120976	VALVE ASSY. (200 DEG.)	1	1	1	1	1	1	1	1	1	1	1	1
	5109717	PLUNGER	1	1	1	1	1	1	1	1	1	1	1	1
	5109719	SPRING	1	1	1	1	1	1	1	1	1	1	1	1
	5163830	GASKET (7.4586)	1	1	1	1	1	1						
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)	2	2	2	2	2	2	2	2	2	2	2	2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
6A	5109718	ADAPTOR ASSY.	1	1	1	1	1	1						1
	5113655	STUD, 5/16"-18-24X2.46" (IN EXHAUST MANIFOLD)	2	2	2	2	2	2						2
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1						1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)	1	1	1	1	1	1						1
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET)												
	5146238	WIRE ASSY. (50" L.) (2.9422)			1	1		1	1	1	1	1	1	
	5126538	PLATE, INSTRUCTION			1	1		1	1	1	1	1	1	
	3290569	CLIP (7.8320)			1	1		1	1	1	1	1	1	
	181309	BOLT, 1/4"-28X1/2" (12.9001)			2	2		2	2	1	1	1	1	
	103319	LOCKWASHER, 1/4" (12.9200)			2	2		2	2	1	1	1	1	
	110730	LOCKWASHER, 3/8" (12.9200)							1	1	1	1	1	
	121902	NUT, 1/4"-28 (12.9120)			2	2		2	2	1	1	1	1	
	124925	NUT, 3/8"-24 (12.9120)							1	1	1	1	1	
		7.4529 - PLATE, AIR SHUT-OFF CONTROL INSTRUCTION												
	5128257	PLATE												1
	192413	SCREW, #4X1/4" DRIVE (12.9066)												4
		7.4536 - LEVER, AIR SHUT-OFF												
	5128532	LEVER ASSY.												1
	455734	PIN, 1/8"X3/4" SPRING (12.9300)												1
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
6A	5115836	LINK (BELLOWS TO LATCH)	1	1	1	1	1	1	1	1	1	1	1	1
	5186592	PIN, CLEVIS (7.4586)	1	1	1	1	1	1	1	1	1	1	1	
	112526	PIN, 1/16"X3/8" COTTER (12.9250)	1	1	1	1	1	1	1	1	1	1	1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	394	395	396	397	403	405	409	410	413	414
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL (CONT'D)												
	5124846	BOLT, 1/4"-28X1" (LINK TO LATCH) (3.3110)												1
	120380	LOCKWASHER, 1/4" (12.9200)												1
	114492	NUT, 1/4"-28 (12.9120)												2
		7.4550 - HOUSING, AIR SHUT-OFF CONTROL												
6A	5113159	HOUSING	1	1	1	1	1	1	1	1	1	1	1	
	186676	BOLT, 1/4"-20X5/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	103319	LOCKWASHER, 1/4" (12.9200)	1	1	1	1	1	1	1	AR	AR	AR	AR	AR
		7.4553 - COVER, AIR SHUT-OFF CONTROL HOUSING												
	5113160	COVER	1	1	1	.	1	1	1	1	1	1	1	
	271169	NUT, #10-32 (WITH LOCKWASHER) (7.4519)	2	2	2	2	2	2	2	2	2	2	2	
		7.4557 - LATCH, AIR SHUT-OFF RESET												
6A	5114727	LATCH (3.3090)	1	1	1	1	1	1	1	1	1	1	1	
	5113633	SPACER, 17/64" X 7/8" (3.3090)	1	1	1	1	1	1	1	1	1	1	1	
	112526	PIN, 1/16"X3/8" COTTER (12.9250)	1	1	1	1	1	1	1	1	1	1	1	
	5115204	BOLT, 1/4"-28 (7.4519)	1	1	1	1	1	1	1	1	1	1	1	
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	
	120392	WASHER, 1/4" (12.9190)	1	1	1	1	1	1	1	1	1	1	1	
	120380	LOCKWASHER, 1/4" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	
	114492	LOCKNUT, 1/4"-28" (12.9120)	1	1	1	1	1	1	1	1	1	1	1	
		7.4564 - ROD, STARTING CONTROL												
	5128297	ROD												1
	2104066	CLEVIS, ROD 1/4"-28 (2.9400)												1
	107762	PIN, 3/32"X5/8" COTTER (12.9250)												1
	103495	PIN, 5/16" CLEVIS (12.9260)												1
	114492	LOCKNUT, 1/4"-28" (12.9120)												1
		7.4567 - BRACKET, STARTING CONTROL ROD												
	5128280	BRACKET												1
	100001	BOLT, 1/4"-28X3/4" (12.9001)												1
	103319	LOCKWASHER, 1/4" (12.9200)												1
	121902	NUT, 1/4"-28 (12.9120)												1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	394	395	396	397	403	405	409	410	413	414
		7.4570 - SPRING, CONTROL ROD RETRACTING												
	5128853	SPRING												1
	5128854	RETAINER, SPRING												1
	181596	BOLT, 5/16"-24X7/8" (12.9001)												1
	103320	LOCKWASHER, 5/16" (12.9200)												1
	114493	LOCKNUT, 5/16"-24 (2.7170)												1
		7.4586 - SWITCH, OIL PRESSURE												
6A	5186528	BELLOWS ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9025)	4	4	4	4	4	4	4	4	4	4	4	4
	271169	NUT, #10-32 (WITH LOCKWASHER) (7.4519)	4	4	4	4	4	4	4	4	4	4	4	4
		7.4596 - TUBE, OIL PRESSURE SWITCH												
	5120483	TUBE (DEV. L. 17.26") (SUPPLY)												1
	5125030	TUBE (DEV. L. 32.24") (TO BELLOWS)												1
	5127897	TUBE ASSY. (DEV. L. 11.60") (TO BELLOWS)							1		1	1	1	
	5128299	TUBE ASSY. (DEV. L. 12.56") (TO BELLOWS)								1				
	5128294	% TUBE ASSY. (DEV. L. 16.34") (SUPPLY)								1				
	5126489	TUBE ASSY. (DEV. L. 18.12") (SUPPLY)	1	1	1	1								
	5127902	TUBE ASSY. (DEV. L. 19.20") (SUPPLY)									1	1		
	5124233	TUBE ASSY. (DEV. L. 22.24") (SUPPLY)				1	1							
	5128301	TUBE ASSY. (DEV. L. 22.26") (SUPPLY)							1					
	5128377	* TUBE ASSY. (DEV. L. 36.46") (FROM OVERSPEED VALVE)											1	
	5126177	TUBE ASSY. (DEV. L. 38.74") (TO BELLOWS)	1	1	1	1								
	5124220	TUBE ASSY. (DEV. L. 47") (TO BELLOWS)				1	1							
6A	5122900	ELBOW, RESTRICTED (IN BLOCK)	1	1	1	1	1	1						
	225815	ELBOW, 5/16" INV. FL. TUBE X 1/8" PIPE 90 DEG. (IN BELLOWS) (12.9480)	1		1			1				1		
	9432245	ELBOW, 5/16" INV. FL. TUBE 1/4" P.T. (IN TEMPERATURE VALVE)(12.9480)											1	
	5177492	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9425)												2
	5128206	CONNECTOR, 5/16" INV. FL. TUBE RESTRICTED (IN BLOWER END PLATE)							1	1	1	1		
	5138304	CONNECTOR ASSY., 5/16" SEALASTIC (12.9415)												2
	178996	TEE, 1/8" P.T. (12.9616)												1
	9413261	TEE, 5/16" INV. FL. TUBE X 1/4" PIPE (IN VALVE) (12.9490)	1	1	1	1	1	1	1	1	1	1		
	5126395	TEE, 5/16" INV. FL. TUBE X 1/8" PIPE 90 DEG. (IN BELLOWS)		1		1	1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3921	3933	3934	3935	3936	3937	4003	4005	4009	4010	4013	4014
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)												
	442347	TEE, 5/16" INV. FL. TUBE (IN BELLOWS) (12.9490)							1	1	1		1	
	5177493	SEAL RING, 5/16" (12.9435)												4
	112877	BUSHING, 1/4"X1/8" RED. PIPE (BRASS) (12.9570)												1
	3290459	CLIP (AT ROCKER COVER) (2.5220)	1	1	1	1	1	1					1	1
	5177623	CLIP (AT FLYWHEEL HOUSING) (2.5120)	1	1	1	1	1	1						
	5159490	CLIP (AT FLYWHEEL HOUSING) (7.4076)							1					1
	100014	BOLT, 5/16"-24X1" (12.9001)	1	1	1	1	1	1						
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1						
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1	1	1	1						
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)												4
		* OBSOLETE.												
		% NOT SERVICED, FOR SERVICE USE 5199575 BULK HOSE, 2-5199588 FITTINGS AND PRINT OF SD-29.												
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN												
	5124909	TUBE (DEV. L. 15.32")												1
	5125664	TUBE ASSY. (DEV. L. 16")	1	1	1	1								
	5121434	TUBE ASSY. (DEV. L. 20.25")					1	1						
	5127903	TUBE ASSY. (DEV. L. 30.88")									1	1	1	
	5128300	TUBE ASSY. (DEV. L. 35.94")							1					
	5128298	TUBE ASSY. (DEV. L. 37.20")								1				
	5138304	CONNECTOR ASSY., 5/16" SEALASTIC (12.9415)												2
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" PIPE (IN ADAPTOR) (12.9460)	1	1	1	1	1	1	1	1	1	1	1	
	9432266	CONNECTOR, 3/8" INV. FL. TUBE X 1/8" PIPE (IN BLOCK) (12.9460)	1	1	1	1	1	1						
	193004	ELBOW, 3/8" INV. FL. TUBE X 1/4" P.T. 90 DEG. (IN BLOCK) (12.9480)							1	1	1	1	1	
	112877	BUSHING, 1/4"X1/8" RED. PIPE (BRASS) (12.9570)												1
	5112241	CLAMP (2.5070)							2					
	5177623	CLIP (2.5120)							1	1				
	5151883	CLIP (2.5070)									1	1	1	
	179838	BOLT, 3/8"-16X7/8" (12.9001)							1	1				
	110502	BOLT, #10-24X3/4" (12.9001)							1					
	103341	WASHER, 3/8" (12.9190)							1	1				
	120217	LOCKWASHER, #10 (12.9200)							1					
	103321	LOCKWASHER, 3/8" (12.9200)							1	1				
	110633	NUT, #10-24 (12.9120)							1					
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)												2
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
6B	5134505	GOVERNOR ASSY.		1		1	1		1	1	1			
6B	140875	SCREW, #10-24X3/4" SET (12.9076)		1		1	1		1	1	1			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	394	395	396	397	403	405	409	410	413	414
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
6B	5124967	ADAPTOR		1		1	1		1	1	1			
	186625	BOLT, 5/16"-18X7/8" (12.9001)		2		2	2		2	2	2			
	103320	LOCKWASHER, 5/16" (12.9200)		2		2	2		2	2	2			
		7.4644 - SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL												
	5116391	GASKET (ADAPTOR TO FLYWHEEL HOUSING) (1.5050)		1		1	1		1	1	1			
6B	5126622	RING, SEAL (GOVERNOR TO ADAPTOR) (1.2020)		1		1	1		1	1	1			
		7.4668 - TUBE, OVERSPEED GOVERNOR OIL SUPPLY												
	5127896	TUBE ASSY. (DEV. L. 28")							1		1			
	5126181	TUBE ASSY. (DEV. L. 28.46")		1		1								
	5126128	TUBE ASSY. (DEV. L. 31.74")					1							
	5128302	TUBE ASSY. (DEV. L. 32.68")								1				
	442322	CONNECTOR, 5/16" INV. FL. TUBE X 1/8" PIPE (IN GOVERNOR) (12.9460)		1		1	1		1	1	1			
	3290459	CLIP (2.5220)		1		1	1		2	2	2			
	3290822	SPACER (2.9320)							2	2				
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)							2	2				
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5124906	TUBE (DEV. L. 8.06") (TO ADAPTOR)												1
	5125663	TUBE ASSY. (DEV. L. 14.24")	1	1	1	1								
	5124219	TUBE ASSY. (DEV. L. 17")					1	1						
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. X 1/4" PIPE (12.9480)	1	1	1	1	1	1						
	9432249	ELBOW, 3/8" INV. FL. TUBE X 3/8" PIPE 90 DEG. (12.9480)	1	1	1	1								
	5138298	ELBOW ASSY., 3/8" TUBE 90 DEG. SEALASTIC (12.9425)												1
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" PIPE (IN ADAPTOR) (12.9460)	1	1	1	1	1	1						
	5138305	CONNECTOR ASSY., 3/8" SEALASTIC (12.9415)												1
	5179938	SEAL RING, 3/8" TUBE (12.9435)												2
	444148	TEE, 1/4" PIPE (12.9616)												1
	103647	DRAINCOCK, 1/4" (12.9510)												1
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)												2
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5124907	TUBE (DEV. L. 10.30") (TO THERMOSTAT HOUSING)												1
	5126179	TUBE ASSY. (DEV. L. 14.16")	1	1	1	1								

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	394	395	396	397	403	405	409	410	413	414
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)												
	5126127	TUBE ASSY. (DEV. L. 16.80")					1	1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" PIPE (IN ADAPTOR) (12.9460)	1	1	1	1	1	1						
	9432267	CONNECTOR, 3/8" INV. FL. TUBE X 3/8" PIPE (IN THERMOSTAT HOUSING)(12.9460)	1	1	1	1	1	1						
	5138305	CONNECTOR ASSY., 3/8" TUBE SEALASTIC (12.9415)												2
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)												2
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)												1
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)												2
		7.4725 - VALVE ASSY., OVERSPEED												
		A VALVE ASSY. INCLUDES ITEMS IN 7.4727 THRU 7.4740.												
	5128124	+ VALVE ASSY.											1	
	181381	BOLT, 3/8"-24X2 1/2" (12.9001)											1	
	181384	BOLT, 3/8"-24X2 3/4" (12.9001)											1	
	103321	LOCKWASHER, 3/8" (12.9200)											1	
	117049	NUT, 3/8"-24 (12.9120)											1	
		+ OBSOLETE.												
		7.4727 - HOUSING, OVERSPEED VALVE												
	5128113	+ HOUSING											1	
		+ OBSOLETE.												
		7.4729 - COVER, OVERSPEED VALVE												
	5128108	+ COVER (AIR END)											1	
	5128111	+ COVER (OIL END)											1	
	120215	SCREW, #10-24X1 1/2" FIL. HD. (12.9010)											8	
	120217	LOCKWASHER, #10 (12.9200)											8	
		+ OBSOLETE.												
		7.4731 - PISTON, OVERSPEED VALVE												
	5128105	+ PISTON (AIR)											1	
	5128099	+ PISTON (OIL)											1	
	120392	WASHER, 1/4" (AIR PISTON) (12.9190)											1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	394	395	396	397	403	405	409	410	413	414
		7.4731 - PISTON, OVERSPEED VALVE (CONT'D)												
	103319	LOCKWASHER, 1/4" (12.9200)											2	
	120375	NUT, 1/4"-20 (12.9120)											2	
		+ OBSOLETE.												
		7.4733 - DIAPHRAGM, OVERSPEED VALVE PISTON												
	5128106	+ DIAPHRAGM (AIR)											1	
	5128098	+ DIAPHRAGM (OIL)											1	
	5128096	+ WASHER, 1" O.D. X 1/4" I.D.											2	
		+ OBSOLETE.												
		7.4735 - GUIDE, OVERSPEED VALVE PISTON												
	5128100	+ GUIDE (AIR PISTON)											1	
	5128107	+ GUIDE (OIL PISTON)											1	
		+ OBSOLETE.												
		7.4737 - SPRING, OVERSPEED VALVE PISTON												
	5128110	+ SPRING (AIR PISTON, INNER) (RED STRIPE)											1	
	5128092	+ SPRING (OIL PISTON, OUTER) (RED STRIPE)											1	
	5128095	+ SEAT, AIR PISTON SPRING											1	
		+ OBSOLETE.												
		7.4739 - SLEEVE, OVERSPEED VALVE ADJUSTING												
	5128104	+ SLEEVE											1	
		+ OBSOLETE.												
		7.4740 - CAM, OVERSPEED VALVE ADJUSTING												
	5128103	+ CAM											1	
	5128097	+ GASKET											1	
	181567	BOLT, 1/4"-28X7/8" (12.9001)											1	
	5179709	WASHER (2.7175)											1	
		+ OBSOLETE.												
		7.4742 - BRACKET, OVERSPEED VALVE MOUNTING												
	5128480	+ BRACKET											1	
	179839	BOLT, 3/8"-16X1" (12.9001)											2	
	103321	LOCKWASHER, 3/8" (12.9200)											2	
		+ OBSOLETE.												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 392	393	394	395	396	397	403	405	409	410	413	414
		7.4744 - TUBE, OVERSPEED VALVE AIR PRESSURE												
	5128478	+ TUBE ASSY. (DEV. L. 15.84")											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" PIPE (12.9460)											2	
		+ OBSOLETE.												
		7.4746 - TUBE, OVERSPEED VALVE OIL SUPPLY												
	5128481	+ TUBE ASSY. (DEV. L. 8.62") (SUPPLY)											1	
	5128489	+ TUBE ASSY. (DEV. L. 11.68") (SUPPLY)											1	
	5127706	CONNECTOR, RESTRICTED (IN 5127510 TEE) (7.4596)											1	
	9432266	CONNECTOR, 3/8" INV. FL. TUBE 1/8" P.T. (IN BLOCK) (12.9460)											1	
	5127510	TEE, 3/8" INV. FL. TUBE 1/4" P.T. (IN VALVE) (12.9490)											1	
	5126391	TEE, 1/2"-20 INV. FL. TUBE (IN VALVE) (7.4596)											1	
		+ OBSOLETE.												
		7.4748 - TUBE, OVERSPEED VALVE OIL DRAIN												
	5128479	+ TUBE ASSY. (DEV. L. 12.74")											1	
	9432266	CONNECTOR, 3/8" INV. FL. TUBE 1/8" P.T. (IN BLOCK) (12.9460)											1	
		+ OBSOLETE.												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4191	4211	4281	4351	4411	4511	4655	4771	4811	4821	4871	4881
		7.4505 - SWITCH, WATER TEMPERATURE												
	5146080	SWITCH (210 DEG.)				2								
	5144496	SWITCH ASSY. (203 DEG.)									1			
6A	5120976	VALVE ASSY. (200 DEG.)		1	1		1					1	1	
	5109717	PLUNGER		1	1		1				1	1	1	
	5109719	SPRING		1	1		1				1	1	1	
	5163830	GASKET (7.4586)		1	1		1				1	1	1	
	103320	LOCKWASHER, 5/16" (12.9200)		2	2		2				2	2	2	
	114493	LOCKNUT, 5/16"-24 (2.7170)		2	2		2				2	2	2	
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
6A	5109718	ADAPTOR ASSY.		1	1		1				1	1	1	
	5113655	STUD, 5/16"-18-24X2.46" (IN EXHAUST MANIFOLD)		2	2		2				2	2	2	
	5121182	PLUG, 1/4" PIPE (2.4015)		1	1		1				1	1	1	
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET (6.1110)		1	1		1				1	1	1	
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1118128	* SOLENOID (12V.)	1			1			1		1			
	1118191	* SOLENOID (24-32V.)						1		1				1
	5183261	SWITCH (12V.)									1			
	180016	BOLT, 1/4"-20X1/2" (12.9001)									2			
	186676	BOLT, 1/4"-20X5/8" (12.9001)				4				4	2			4
	443603	BOLT, 1/4"-20X3/4" (12.9001)	4				4	4			2			
	5115204	BOLT (RELEASE LATCH) (1/4"-28X1 1/4")	1			1		1	1					
	120392	WASHER, 1/4" (12.9190)									1			
	103319	LOCKWASHER, 1/4" (12.9200)	4			4		4	4	4	6			4
	120375	NUT, 1/4"-20 (12.9120)	4			4		4	4	4	6			4
	114492	NUT, 1/4"-28 (12.9120)	1			1			1	1				
		* NOT SERVICED BY DDA. PROCURE THRU AC DELCO.												
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET)												
	5146238	WIRE ASSY. (50"L.) (2.9422)		1	1		1				1		1	
	5126538	PLATE, INSTRUCTION			1		1				1		1	
	3290569	CLIP (7.8320)		1			1							
	181309	BOLT, 1/4"-28X1/2" (12.9001)		1										
	103319	LOCKWASHER, 1/4" (12.9200)		1										
	110730	LOCKWASHER, 3/8" (12.9200)			1		1				1		1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 419	421	428	435	441	451	465	477	481	482	487	488
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET) (CONT'D)												
	121902	NUT, 1/4"-28 (12.9120)		1										
	124925	NUT, 3/8"-24 (12.9120)			1		1				1		1	
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID												
	5125839	BRACKET	1							1				
	5140279	BRACKET				1								1
	5130142	BRACKET						1						
	5124480	+ BRACKET							1					
	5125862	BRACKET									1			
	5173085	SPACER, 7/16" I.D. X 7/8" W. (7.4005)						3			3			
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)									2			
	179838	BOLT, 3/8"-16X7/8" (12.9001)												
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	2			2			2	2				2
	103320	LOCKWASHER, 5/16" (12.9200)						3						
	103321	LOCKWASHER, 3/8" (12.9200)	2						2	2	2			
		+ OBSOLETE.												
		7.4532 - LEVER, AIR SHUT-OFF RESET												
	5124853	PIN AND LEVER ASSY. (3.3130)					1						1	
	455734	PIN, 1/8"X3/4" STRAIGHT (12.9300)					1						1	
	273669	PIN, 5/16"X7/16" STRAIGHT (12.9300)					1						1	
	140881	SCREW, #10-32X5/16" (12.9076)					1						1	
	120385	WASHER, #12 (12.9190)					1						1	
	5168374	NUT (3.3090)					1						1	
		7.4536 - LEVER, AIR SHUT-OFF												
	5128532	LEVER ASSY.		1										
	455734	PIN, 1/8"X3/4" SPRING (12.9300)		1										
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5125863	CLIP (7.4519)									1			
6A	5115836	LINK (BELLOWS TO LATCH)		1	1		1			1		1	1	
	5125840	LINK	1											
	5124918	LINK (SOLENOID TO LATCH)				1			1					1
	5178860	LINK						1						
	5124916	SPACER, 9/32" I.D. X .30"	1			1			1	1				1
	5124849	SPACER, 25/64" I.D. X .76"					1						1	
	5186592	PIN, CLEVIS (7.4586)					1					1	1	
	112526	PIN, 1/16"X3/8" COTTER (12.9250)	1		1	1	1		1	1		1	1	
	5176810	PIN, CLEVIS (1/4"X1 1/4") (2.9410)						1						

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4191	4211	4281	4335	4411	4511	4665	4771	4811	4821	4871	4888
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL (CONT'D)												
	103361	PIN, 1/16"X1/2" COTTER (12.9250)						1						
	5124846	BOLT, 1/4"-28 (LINK TO LATCH) (3.3110)		1			1						1	
	120392	WASHER, 1/4" (12.9190)						2						
	120380	LOCKWASHER, 1/4" (12.9200)	1	1		1			1	1				
	114492	NUT, 1/4"-28 (12.9120)	2	2		2	2	2	2	2	2		2	2
		7.4545 - HARNESS, AIR SHUT-OFF WIRING												
	5108521	HARNESS				1								
	5131929	+ HARNESS									1			
	5182537	WIRE ASSY.				1								
	5132026	+ WIRE ASSY.									1			
	5128742	WIRE ASSY. (7.1630)				1								
	5182572	WIRE ASSY.				1								
	5132027	+ WIRE ASSY.									1			
	3290076	CLIP									2			
	3223197	CLIP (7.4580)				2					1			
		+ OBSOLETE.												
		7.4550 - HOUSING, AIR SHUT-OFF CONTROL												
6A	5113159	HOUSING			1							1		
	5128276	HOUSING		1										
6A	5124851	HOUSING (7.4519)					1						1	
	5155782	CLIP (3/16" TUBE, 1/4" BOLT) (7.8320)					1						1	
	181309	BOLT, 1/4"-28X1/2" (12.9001)					1						1	
	186676	BOLT, 1/4"-20X5/8" (12.9001)		1	1		1					1	1	
	103319	LOCKWASHER, 1/4" (12.9200)		AR	1		AR					1	AR	
	121902	NUT, 1/4"-28 (12.9120)					1						1	
		7.4553 - COVER, AIR SHUT-OFF CONTROL HOUSING												
	5113160	COVER			1		1					1	1	
	271169	NUT, #10-32 (WITH LOCKWASHER) (7.4519)			2		2					2	2	
		7.4557 - LATCH, AIR SHUT-OFF RESET												
6A	5114727	LATCH (3.3090)			1							1		
	5113633	SPACER, 17/64" X 7/8" (3.3090)			1							1		
	112526	PIN, 1/16"X3/8" COTTER (12.9250)										1		1
	5115204	BOLT, 1/4"-28 (7.4519)			1							1		

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PART NUMBER	NAME AND DESCRIPTION	TYPES 419	421	428	435	441	451	465	477	481	482	487	488
	7.4557 - LATCH, AIR SHUT-OFF RESET (CONT'D)												
180034	BOLT, 1/4"-20X1 1/2" (12.9001)			1							1		
120392	WASHER, 1/4" (12.9190)			1							1		
120380	LOCKWASHER, 1/4" (12.9200)			2							2		2
114492	NUT, 1/4"-28" (12.9120)			1									1
	7.4560 - SPRING, AIR SHUT-OFF RESET LATCH												
5124852	SPRING (RESET WIRE RETURN) (3.3070)					1							1
	7.4586 - SWITCH, OIL PRESSURE												
6A 5100722	SWITCH (10# BREAK)				1								
5100675	SWITCH									1			
6A 5186528	BELLOWS ASSY.		1	1		1					1	1	
9409943	TEE (1/8" PIPE) (IN BELLOWS) (7.4586)				1								
444285	NIPPLE, 1/8"X31/32" PIPE (12.9550)									1			
142735	ELBOW, 1/4"X1/8" PIPE RED. 90 DEG. (12.9600)									4			
132105	SCREW, #10-32X3/8" FIL. HD. (12.9025)		4	4		4					4		
120217	LOCKWASHER, #10 (12.9200)				2					2			
271169	NUT, #10-32 (WITH LOCKWASHER) (7.4519)		4	4		4					4	4	
120614	NUT, #10-32 (12.9120)				2					2			
	7.4596 - TUBE, OIL PRESSURE SWITCH												
5120483	TUBE (DEV. L. 17.26") (SUPPLY)		1										
5125030	= TUBE (DEV. L. 32.24") (TO BELLOWS)		1										
5125910	TUBE ASSY. (DEV. L. 18.70") (SUPPLY)			1		1						1	
5124233	TUBE ASSY. (DEV. L. 22.24") (SUPPLY)										1		
5127165	TUBE ASSY. (DEV. L. 22.56") (TO BELLOWS)			1								1	
5126221	TUBE ASSY. (DEV. L. 27.10")											1	
5109473	+ TUBE ASSY. (DEV. L. 32.70") (TO BELLOWS)					1							
5124220	TUBE ASSY. (DEV. L. 47") (TO BELLOWS)										1		
5124886	NIPPLE (RESTRICTED) (IN BLOCKS)		1										
5116903	VALVE ASSY., CAP AND STEM (1.1001)		1										
6A 5122900	ELBOW, RESTRICTED (IN BLOCK)			1		1					1	1	
225813	ELBOW, 5/16" INV. FL. TUBE X 1/8" PIPE 90 DEG. (IN BELLOWS) (12.9480)					1						1	
5169856	ELBOW, 5/16" INV. FL. TUBE (1.1100)											1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 419	421	428	435	441	451	465	477	481	482	487	488
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)												
	5177492	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9425)		1										
	5138304	CONNECTOR ASSY., 5/16" SEALASTIC (12.9415)		2										
	178996	TEE, 1/8" P.T. (12.9616)		1										
	9409943	TEE (1/8" PIPE) (IN BELLOWS) (7.4586)		1										
	9413261	TEE, 5/16" INV. FL. TUBE X 1/4" PIPE (IN VALVE) (12.9490)					1					1		
	5126395	TEE (5/16" INV. FL. TUBE X 1/8" PIPE 90 DEG.) (IN BELLOWS)										1		
	442347	TEE, 5/16" INV. FL. TUBE (IN BELLOWS) (12.9490)			1									
	5126391	TEE (5/16" INV. FL. TUBE X 1/4" PIPE 90 DEG.) (IN VALVE)			1							1		
	5177493	SEAL RING, 5/16" (12.9435)		4										
	112877	BUSHING, 1/4"X1/8" RED. PIPE (BRASS) (12.9570)		1										
	3290459	CLIP (AT ROCKER COVER) (2.5220)		1	1								1	
	5159490	CLIP (AT FLYWHEEL HOUSING) (7.4076)		1								2		
	3290459	CLIP, 5/16" TUBE (2.5220)					2							
	5187568	CLIP, 5/16" TUBE (4.3045)					1						2	
	5163529	CLIP, 5/16" TUBE (12.3060)											1	
	5173134	BRACKET, CLIP (4.1540)			1		1						1	
	5166565	BRACKET, TUBE (9.1591)											2	
	181333	BOLT, 5/16"-24X5/8" (12.9001)			2		2						2	
	103320	LOCKWASHER, 5/16" (12.9200)			2		2						2	
	114493	LOCKNUT, 5/16"-24 (2.7170)			2		2							
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)		4										
		+ NOT SERVICED; USE 5126221.												
		= OBSOLETE.												
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN												
	5124909	TUBE (DEV. L. 15.32")		1										
	5121434	TUBE ASSY. (DEV. L. 20.25")										1		
	5126225	+ TUBE ASSY. (DEV. L. 20.38")			1		1						1	
	5138304	CONNECTOR ASSY., 5/16" SEALASTIC (12.9415)		2										
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" PIPE (IN ADAPTOR) (12.9460)			1		1					1	1	
	9432248	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (IN BLOCK) (12.9480)			1		1					1	1	
	112877	BUSHING, 1/4"X1/8" RED. PIPE (BRASS) (12.9570)		1										
	5112241	CLAMP (2.5070)										4		
	120221	BOLT, #10-24X1/2" (12.9001)										1		
	120217	LOCKWASHER, #10 (12.9200)										1		
	110633	NUT, #10-24 (12.9120)										1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

	PART NUMBER	NAME AND DESCRIPTION	TYPES 419	421	428	435	441	451	465	477	481	482	487	488
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN (CONT'D)												
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445) + OBSOLETE		2										
		7.4598 - SWITCH, ALARM SHUT-OFF (FUEL)												
	5100679	SWITCH (20# MAKE)				1					1			
	112877	BUSHING, 1/4"X1/8" RED. (IN FILTER) (12.9570)				1					1			
	120217	LOCKWASHER, #10 (12.9200)				2					2			
	120614	NUT, #10-32 (12.9120)				2					2			
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
6B	5134505	GOVERNOR ASSY.			1							1		
6C	5131864	GOVERNOR ASSY.									1			
6C	5131862	GOVERNOR ASSY.												1
6B	140875	SCREW, #10-24X3/4" SET (12.9076)			1							1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)												2
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)									2			
	103320	LOCKWASHER, 5/16" (12.9200)									2			2
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
6B	5124967	ADAPTOR			1							1		
	5124823	ADAPTOR									1			
	5131946	ADAPTOR, DRIVE										1		1
	5124364	COVER (GOVERNOR MOUNTING)										1		1
	186625	BOLT, 5/16"-18X7/8" (12.9001)			2							2		
	179857	BOLT, 7/16"-14X7/8" (12.9001)										1		1
	122408	BOLT, 1/2"-13X1" (12.9001)										4		4
	5150568	WASHER, 7/16" COPPER (12.9190)										1		1
	103320	LOCKWASHER, 5/16" (12.9200)			2							2		
	103323	LOCKWASHER, 1/2" (12.9200)										4		4
		7.4644 - SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL												
	5116391	GASKET (ADAPTOR TO FLYWHEEL HOUSING) (1.5050)			1						1			
	3222141	GASKET (GOVERNOR ADAPTOR) (5.3280)									1	1		1
	5104506	GASKET (COVER TO FLYWHEEL HOUSING) (1.5040)										1		1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 419	421	428	435	441	451	465	477	481	482	487	488
		7.4644 - SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL (CONT'D)												
6B	5126622	RING, SEAL (GOVERNOR TO ADAPTOR) (1.2020)			1							1		
		7.4668 - TUBE, OVERSPEED GOVERNOR OIL SUPPLY												
	5131949	# TUBE ASSY. (DEV. L. 18.24")										1		
	5126180	TUBE ASSY. (DEV. L. 28.46")			1									
	442322	CONNECTOR, 5/16" INV. FL. TUBE X 1/8" PIPE (IN GOVERNOR) (12.9460)										1		
	3290459	CLIP (2.5220)			2									
	5159490	CLIP, 5/16" TUBE (7.4076)										1		
	225815	ELBOW, 5/16" INV. FL. TUBE X 1/8" P.T. 90 DEG. (IN BELLOWS) (12.9480)			1									
	179835	BOLT, 3/8"-16X5/8" (12.9001)										1		
	103321	LOCKWASHER, 3/8" (12.9200)										1		
		# NOT SERVICED; USE 5199575 BULK HOSE (CUT TO LENGTH) PLUS (1) 5199583 FITTING, (1) 5199579 FITTING AND (1) 2488022 CLIP.												
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5124906	TUBE (DEV. L. 8.06") (TO ADAPTOR)		1										
	5126219	TUBE ASSY. (DEV. L. 11.12") (TO ADAPTOR)			1		1				1		1	
	5126126	TUBE ASSY. (DEV. L. 18")										1		
	5138298	ELBOW ASSY., 3/8" TUBE 90 DEG. SEALASTIC (12.9425)		1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. X 1/4" P.T. (12.9480)										1		
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" PIPE (IN ADAPTOR) (12.9460)			1		1				1	1	1	
	5138305	CONNECTOR ASSY., 3/8" SEALASTIC (12.9425)		1										
	5179938	SEAL RING, 3/8" TUBE (12.9435)		2										
	444148	TEE, 1/4" PIPE (12.9616)		1										
	5104778	TEE, 1/4"X1/4"X5/8"			1		1				1		1	
	103647	DRAINCOCK, 1/4" (12.9510)		1	1		1				1		1	
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)		2										
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5124907	TUBE (DEV. L. 10.30") (TO THERMOSTAT HOUSING)		1										
	5125909	TUBE ASSY. (DEV. L. 11.30") (TO THERMOSTAT HOUSING)			1		1				1		1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

PART NUMBER	NAME AND DESCRIPTION	TYPES 419	421	428	435	441	451	465	477	481	482	487	488
	7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)												
5126127	TUBE ASSY. (DEV. L. 16.80")										1		
442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" PIPE (IN ADAPTOR) (12.9460)			1		1				1	1	1	
9432267	CONNECTOR, 3/8" INV. FL. TUBE X 3/8" PIPE (IN THERMOSTAT HOUSING)(12.9460)			1		1				1	1	1	
5138305	CONNECTOR ASSY., 3/8" TUBE SEALASTIC (12.9415)		2										
5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)		2										
116332	BUSHING, 3/8"X1/4" RED. (12.9570)		1										
5179937	*NUT, 3/8" TUBE SEALASTIC (12.9445)*		2										
	7.4707 - RELAY, TIME DELAY												
5146219	% RELAY ASSY. (7.2330)				1								
132788	SCREW, #8-32X1 3/4" (12.9010)				2								
446143	WASHER, #8 (12.9190)				2								
121841	LOCKWASHER, #8 (12.9200)				2								
	% NOT SERVICED; FOR SERVICE USE 8921717 KIT.												
	7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
5182531	+ PLATE				1								
5147454	BRACKET				1								
5127699	BRACKET									1			
186629	BOLT, 5/16"-18 X1" (12.9001)				2								
5159714	WASHER (2.7290)				2								
120380	LOCKWASHER, 1/4" (12.9200)				1								
103320	LOCKWASHER, 5/16" (12.9200)				2								
114492	NUT, 1/4"-28 (12.9120)				1								
117049	NUT, 3/8"-24 (12.9120)				1								
	+ OBSOLETE.												
	7.4713 - *INSULATOR, TIME DELAY RELAY MOUNTING*												
5182532	+ INSULATOR				1								
132768	SCREW, #8-32X3/4" (12.9010)				4								
121841	LOCKWASHER, #8 (12.9200)				4								
120622	NUT, #8-32 (12.9120)				4								
	+ OBSOLETE.												

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 494	496	501	509	522	523	524	526	529	530	535	541	546
		7.4505 - SWITCH, WATER TEMPERATURE													
	5120976	VALVE ASSY. (200 DEG.)	1									1			
	5121518	VALVE ASSY. (223 DEG. - 227 DEG.)											1		
	5146080	SWITCH		1						1	1				
4B	5144496	SWITCH ASSY. (203 DEG.)			1									1	
	5109717	PLUNGER	1		1							1	1	1	
	5109719	SPRING	1		1							1	1	1	
	5163830	GASKET (7.4586)	1		1							1	1	1	
	103320	LOCKWASHER, 5/16" (12.9200)	2		2							2	2	2	
	114493	LOCKNUT, 5/16"-24 (2.7170)	2		2							2	2	2	
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH													
6A	5109718	ADAPTOR ASSY.	1		1							1	1	1	
	5113655	STUD (5/16"-18-24X2.46") (IN EXHAUST MANIFOLD)	2		2							2	2	2	
	5121182	PLUG, 1/4" PIPE (2.4015)	1		1							1	1	1	
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR													
	5113412	GASKET	1		1							1	1	1	
		7.4519 - SOLENOID, AIR SHUT-OFF													
	1118128	* SOLENOID (12V.)		1	1					1	1			1	
	1118191	* SOLENOID (24V-32V.)				1									
	5183261	RELAY (12V.)			1									1	
	5124916	SPACER (7.4538)			2									2	
	5125863	CLIP			1									1	
	180016	BOLT, 1/4"-20X1/2" (12.9001)			2									2	
	186676	BOLT, 1/4"-20X5/8" (12.9001)		4	AR	4				4	4			AR	
	186647	BOLT, 1/4"-20X1" (12.9001)			2									2	
	120392	WASHER, 1/4" (12.9190)			1					4				1	
	103319	LOCKWASHER, 1/4" (12.9200)		AR	AR	AR				AR	AR			AR	
	120375	NUT, 1/4"-20 (12.9120)		4	6	4				4	4			6	
	114492	LOCKNUT, 1/4"-28 (12.9120)			2									2	
		* NOT SERVICED BY DDA. PROCURE THRU AC DELCO.													
		7.4520 - SWITCH, SHUT DOWN SOLENOID													
	5141260	LEVER ASSY.								1					
	455532	PIN								1					
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET)													
	5146238	WIRE ASSY. (50" L.) (2.9422)										1			
	5126538	PLATE, INSTRUCTION										1			
	5141329	BRACKET								1					
	3290569	CLIP (7.8320)										1			
	186676	BOLT, 1/4"-20X5/8" (12.9001)								2					

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PART NUMBER	NAME AND DESCRIPTION	TYPES 494	496	501	509	522	523	524	526	529	530	535	541	546
	7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET) (CONT'D)													
123298	BOLT, 1/4"-28X3/8" (12.9001)										1			
103319	LOCKWASHER, 1/4" (12.9200)								2		1			
110730	LOCKWASHER, 3/8" (12.9200)										1			
121902	NUT, 1/4"-28 (12.9120)										1			
124925	NUT, 3/8"-24 (12.9120)										1			
	7.4530 - BRACKET, AIR SHUT-OFF SOLENOID													
5125839	BRACKET		1						1	1				
5125862	BRACKET (SOLENOID)			1									1	
5127699	BRACKET (RELAY) (7.4711)			1									1	
5133566	BRACKET				1									
454813	BOLT, 3/8"-16X7/8" (12.9001)			2									2	
179846	BOLT, 3/8"-16X1 7/8" (12.9001)		2		2				2	2				
103341	WASHER, 3/8" (12.9190)								2					
103321	LOCKWASHER, 3/8" (12.9200)		2	2					2	2			2	
	7.4536 - LEVER, AIR SHUT-OFF													
5128532	LEVER ASSY.	1												1
273436	PIN, 1/8"X11/16" SPRING (12.9300)													1
455734	PIN, 1/8"X3/4" SPRING (12.9300)	1												1
	7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL													
5172502	ROD, 1/4"-28 X 2 1/2" (2.9348)				1									
5115836	LINK (BELLOWS TO LATCH)	1												1
5125840	LINK		1							1				
5133622	LINK				1									
5142895	LINK								1					
5124916	SPACER, 9/32" I.D. X .30"		1						1	1				
5118445	SPACER, .255" I.D. X .18"				1									
112526	PIN, 1/16"X3/8" COTTER (12.9250)		1		1				1	1				
5124846	BOLT, 1/4"-28 X 1" (LINK TO LATCH) (3.3110)	1												1
5115204	BOLT, 1/4"-28 X 1 1/4" (7.4519)		1		1				1	1				
120380	LOCKWASHER, 1/4" (12.9200)	1	1		1				1	1				1
114492	NUT, 1/4"-28 (12.9120)	1	3		5				3	3				1
	7.4550 - HOUSING, AIR SHUT-OFF CONTROL													
6A 5128276	HOUSING	1												1
120380	LOCKWASHER, 1/4" (12.9200)	1												1
186676	BOLT, 1/4"-20X5/8" (12.9001)	1												1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4494	4496	5001	5009	5022	5023	5024	5026	5029	5030	5035	5041	5046
		7.4586 - SWITCH, OIL PRESSURE													
6A	5100722	SWITCH (10# BREAK)		1	1					1	1				
	5100720	SWITCH (27# BREAK)												1	
6A	5186528	BELLOWS ASSY.	1												1
	9409943	TEE, 1/8" PIPE (IN BELLOWS) (7.4586)		1									1		
	444285	NIPPLE, 1/8" PIPE (12.9560)			1									1	
	105412	ELBOW, 1/8" PIPE 90 DEG. (12.9480)			1									1	
	113175	PLUG, 1/8" PIPE (12.9550)											1		
	5145009	PLUG, 1/8" PIPE (12.9550)												1	
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9025)	4												4
	120217	LOCKWASHER, #10 (12.9200)		2							2				
	271169	NUT (#10-32 WITH LOCKWASHER) (7.4519)	4												4
	120614	NUT, #10-32 (12.9120)		2							2				
		7.4596 - TUBE, OIL PRESSURE SWITCH													
	5135533	+ TUBE											1		
	5120483	TUBE (DEV. L. 17.26") (SUPPLY)	1												
	5125665	TUBE (DEV. L. 20.24") (SUPPLY)										1			
	5125030	+ TUBE (DEV. L. 32.24") (TO BELLOWS)	1												
	5126176	TUBE (DEV. L. 38.74") (TO BELLOWS)										1			
6A	5122900	ELBOW, RESTRICTED (IN BLOCK)										1			
	5157992	ELBOW (RESTRICTED) (IN BLOCK)											1		
	5177492	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9425)	2												
	5179969	ELBOW, 3/8" PIPE 90 DEG. (12.9425)											1		
	5138304	CONNECTOR ASSY., 5/16" TUBE SEALASTIC (12.9415)	1										1		
	5179936	CONNECTOR, 3/8" TUBE SEALASTIC (12.9445)											1		
	5124886	NIPPLE (RESTRICTED) (IN BLOCK)	1										1		
	178996	TEE, 1/8" P.T. (12.9616)	1												
	5126395	TEE, 5/16" INV. FL. TUBE X 1/8" P.T. (IN BELLOWS)										1			
	9413261	TEE, 5/16" INV. FL. TUBE X 1/4" P.T. (IN VALVE) (12.9490)										1			
	5177493	SEAL RING, 5/16" (12.9435)	4										1		
	5179938	SEAL RING, 3/8" TUBE (12.9435)											2		
	112877	BUSHING, 1/4"X1/8" RED. PIPE (BRASS) (12.9570)	1										1		
	5159490	CLIP (7.4076)	1												
	3290459	CLIP, 5/16" TUBE (2.5220)	1									1			
	5177623	CLIP, 3/8" TUBE (AT FLYWHEEL HOUSING) (2.5120)										1			
	100014	BOLT, 5/16"-24X1" (12.9001)										1			
	103320	LOCKWASHER, 5/16" (12.9200)										1			

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PART NUMBER	NAME AND DESCRIPTION	TYPES 494	496	501	509	522	523	524	526	529	530	535	541	546
7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)														
5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)	4										1		
114493	LOCKNUT, 5/16"-24 (2.7170)										1			
5179937	NUT, 3/8" TUBE (12.9445) + OBSOLETE											2		
7.4597 - TUBE, OIL PRESSURE SWITCH RETURN														
5124909	TUBE (DEV. L. 15.32")	1												
5125664	TUBE (DEV. L. 16")										1			
5135534	TUBE											1		
5138304	CONNECTOR ASSY., 5/16" TUBE SEALASTIC (12.9415)	2												
9432266	CONNECTOR, 3/8" INV. FL. TUBE X 1/8" P.T. (IN BLOCK) (12.9460)										1			
442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (IN ADAPTOR) (12.9460)										1			
5177493	SEAL RING, 5/16" (12.9435)	2												
112877	BUSHING, 1/4"X1/8" RED. PIPE (BRASS) (12.9570)	1												
5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)	2												
5112241	CLAMP (2.5070)											2		
110502	BOLT, #10-24X3/4" (12.9001)											1		
120217	LOCKWASHER, #10 (12.9200)											1		
110633	NUT, #10-24 (12.9120)											1		
7.4598 - SWITCH, ALARM SHUT-OFF (FUEL)														
5100679	SWITCH (20# MAKE)		1	2					1	1			2	
120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)		1						1					
112877	BUSHING, 1/4"X1/8" RED. (IN FILTER) (12.9570)		1						1				1	
5177752	TEE			1										
120217	LOCKWASHER, #10 (12.9200)		2							2				
120614	NUT, #10-32 (12.9120)		2							2				
7.4611 - GOVERNOR, OVERSPEED TRIP														
	SEE ASSEMBLY BREAKDOWN PAGE A1.													
5131866	GOVERNOR ASSY.			1				1						
6C 5131862	GOVERNOR ASSY.				1		1							
6C 5131864	GOVERNOR ASSY.					1								
6B 5134505	GOVERNOR ASSY.										1			
6B 140875	SCREW, #10-24X3/4" SET (12.9076)										1			
186625	BOLT, 5/16"-18X7/8" (12.9001)				2		2							

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 494	496	501	509	522	523	524	526	529	530	535	541	546
		7.4611 - GOVERNOR, OVERSPEED TRIP (CONT'D)													
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			2		2		2						
	103320	LOCKWASHER, 5/16" (12.9200)			2	2	2	2	2						
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR													
	5124823	ADAPTOR			1		1		1						
	5131946	ADAPTOR, DRIVE				1		1							
6B	5124967	ADAPTOR										1			
	5124364	COVER (GOVERNOR MOUNTING)				1		1							
	186625	BOLT, 5/16"-18X7/8" (12.9001)										2			
	179857	BOLT, 7/16"-14X7/8" (12.9001)				1		1							
	122408	BOLT, 1/2"-13X1" (12.9001)				4		4							
	5150568	WASHER, 7/16" COPPER (12.9190)				1		1							
	103320	LOCKWASHER, 5/16" (12.9200)										2			
	103323	LOCKWASHER, 1/2" (12.9200)				4		4							
		7.4644 - SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL													
	5116391	GASKET (ADAPTOR TO FLYWHEEL HOUSING) (1.5050)			1		1		1						
	3222141	GASKET (GOVERNOR TO ADAPTOR) (5.3280)			1	1	1	1	1						
	5104506	GASKET (COVER TO FLYWHEEL HOUSING) (1.5040)				1		1							
6B	5126622	RING, SEAL (GOVERNOR TO ADAPTOR) (1.2020)										1			
		7.4668 - TUBE, OVERSPEED GOVERNOR OIL SUPPLY													
	5126180	TUBE ASSY. (DEV. L. 28.46")										1			
	442322	CONNECTOR, 5/16" INV. FL. TUBE X 1/8" P.T. (IN GOVERNOR) (12.9460)										1			
	3290459	CLIP (5/16" TUBE) (2.5220)										2			
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET													
	5124906	TUBE (DEV. L. 8.06") (TO ADAPTOR)	1												
	5126219	TUBE (DEV. L. 11.12") (TO ADAPTOR)			1									1	
	5126182	TUBE (DEV. L. 15.86") (TO ADAPTOR)										1			
	5135535	+ TUBE (DEV. L. 12.40")											1		
	5138298	ELBOW ASSY., 3/8" TUBE 90 DEG. SEALASTIC (12.9425)	2										2		
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. X 1/4" P.T. (12.9480)										1			

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7.4000C SHUT-OFF OR ALARM SYSTEM

PART NUMBER	NAME AND DESCRIPTION	TYPES 494	496	501	509	522	523	524	526	529	530	535	541	546
	7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)													
5138305	CONNECTOR ASSY., 3/8" TUBE SEALASTIC (12.9425)	1												
442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (IN ADAPTOR) (12.9460)			1							1		1	
5179938	SEAL RING, 3/8" SEALASTIC (12.9435)	2										2		
444148	TEE, 1/4" PIPE (12.9616)	1												
5104778	TEE, 1/4"X1/4"X5/8"			1									1	
103647	DRAINCOCK, 1/4" (12.9510)	1		1									1	
5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	2										2		
	+ OBSOLETE.													
	7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET													
5124907	TUBE (DEV. L. 10.30") (TO THERMOSTAT HOUSING)	1												
5125909	TUBE (DEV. L. 11.30") (TO THERMOSTAT HOUSING)			1									1	
5126178	TUBE (DEV. L. 14.16") (TO THERMOSTAT HOUSING)										1			
5137113	TUBE											1		
5138305	CONNECTOR, 3/8" TUBE SEALASTIC (12.9415)	2										1		
442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (IN ADAPTOR) (12.9460)			1							1		1	
9432267	CONNECTOR, 3/8" INV. FL. TUBE X 3/8" P.T. (IN THERMOSTAT HOUSING)(12.9460)			1							1		1	
5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)	2										2		
5138298	ELBOW, 3/8" TUBE 90 DEG. SEALASTIC (12.9425)											1		
116332	BUSHING, 3/8"X1/4" RED. (12.9570)	1										1		
5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)	2										2		
	7.4707 - RELAY, TIME DELAY													
5146219	+ RELAY ASSY.		1	1					1	1			1	
132788	SCREW, #8-32X1 3/4" FIL. HD. (12.9010)		2						2	2				
446143	WASHER, #8 (12.9190)		2						2	2				
121841	LOCKWASHER, #8 (12.9200)		2						2	2				
	+ NOT SERVICED, FOR SERVICE USE 8921717 KIT.													
	7.4711 - PLATE, TIME DELAY RELAY MOUNTING													
5182531	+ PLATE		1							1				
5147454	BRACKET		1						1					
3292558	SPACER, 5/8" I.D. X 11/32" O.D. X 1/2" L.								2					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4944	4966	5001	5009	5222	5223	5224	5226	5229	5300	5355	5411	5466
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING (CONT'D)													
	100001	BOLT, 1/4"-28X3/4" (12.9001)		1											
	179822	BOLT, 5/16"-18X1 1/2" (12.9001)								2					
	181360	BOLT, 3/8"-24X3/4" (12.9001)		1											
	103319	LOCKWASHER, 1/4" (12.9200)		1											
	103320	LOCKWASHER, 5/16" (12.9200)								2					
	103321	LOCKWASHER, 3/8" (12.9200)		1											
	121902	NUT, 1/4"-28 (12.9120)		1											
	117049	NUT, 3/8"-24 (12.9120)		1											
		+ OBSOLETE.													
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING													
	5182532	+ INSULATOR		1							1				
	132768	SCREW, #8-32X3/4" FIL. HD. (12.9010)		4							4				
	121841	LOCKWASHER, #8 (12.9200)		4							4				
	120622	NUT, #8-32 (12.9120)		4							4				
		+ OBSOLETE.													

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7.4000C SHUT-OFF OR ALARM SYSTEM

RG	PART NUMBER	NAME AND DESCRIPTION	TYPES 548	549	553	558	567	568	577	583	588	614	618	635	649
		7.4505 - SWITCH, WATER TEMPERATURE													
	5120976	VALVE ASSY. (200 DEG.)	1				1								
	5121518	VALVE ASSY. (223 DEG. - 227 DEG.)								1					
	5146080	SWITCH				1				1	1				
4B	5144496	SWITCH ASSY. (203 DEG.)			1										
	5109717	PLUNGER	1		1		1					1			
	5109719	SPRING	1		1		1					1			
	5163830	GASKET (7.4586)	1		1		1					1			
	103320	LOCKWASHER, 5/16" (12.9200)	2		2		2					2			
	114493	LOCKNUT, 5/16"-24 (2.7170)	2		2		2					2			
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH													
6A	5109718	ADAPTOR ASSY.	1		1		1					1			
	5113655	STUD (5/16"-18-24X2.46") (IN EXHAUST MANIFOLD)	2		2		2					2			
	5121182	PLUG, 1/4" PIPE (2.4015)	1		1		1					1			
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR													
	5113412	GASKET	1		1		1					1			
		7.4513 - BELL, ALARM SYSTEM													
	8921360	BELL						1							
		7.4514 - RELAY, ALARM BELL													
	5177779	RELAY						1							
		7.4519 - SOLENOID, AIR SHUT-OFF													
	1118128	* SOLENOID (12V.)			1	1				1					
	1118191	* SOLENOID (24V-32V.)									1		1		
	5183261	RELAY (12V.)			1										
	5124916	SPACER (7.4538)			2										
	5125863	CLIP			1								1		
	180016	BOLT, 1/4"-20X1/2" (12.9001)			2										
	117461	BOLT, 1/4"-20 X 9/16" (12.9001)									4				
	186676	BOLT, 1/4"-20X5/8" (12.9001)			AR					4			AR		
	186647	BOLT, 1/4"-20X1" (12.9001)			2										
	179795	BOLT, 1/4"-20X5/8" (12.9001)				4									
	120392	WASHER, 1/4" (12.9190)			1	4					4				
	103319	LOCKWASHER, 1/4" (12.9200)			AR	AR				AR			AR		
	120380	LOCKWASHER, 1/4" (12.9200)									4				
	120375	NUT, 1/4"-20 (12.9120)			6	4				4			4		
	114492	NUT, 1/4"-28 (12.9120)			2								2		

* NOT SERVICED BY DDA. PROCURE THRU AC DELCO.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 548	549	553	558	567	568	577	583	588	614	618	635	649
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET)													
	5146238	WIRE ASSY. (50" L.) (2.9422)	1												
	5126538	PLATE, INSTRUCTION	1												
	5125878	SPRING (3.3070)	1												
	3290569	CLIP (7.8320)	1												
	123298	BOLT, 1/4"-28X3/8" (12.9001)	1												
	103319	LOCKWASHER, 1/4" (12.9200)	1												
	110730	LOCKWASHER, 3/8" (12.9200)	1												
	121902	NUT, 1/4"-28 (12.9120)	1												
	124925	NUT, 3/8"-24 (12.9120)	1												
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID													
	5125862	BRACKET (SOLENOID)			1								1		
	5127699	BRACKET (RELAY) (7.4711)			1						1				
	5121913	BRACKET													
	454813	BOLT, 3/8"-16X7/8" (12.9001)			2								2		
	103321	LOCKWASHER, 3/8" (12.9200)			2								2		
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL													
	5125840	LINK				1				1					
	5124916	SPACER (9/32"I.D.X.30")				1				1					
	112526	PIN, 1/16"X3/8" COTTER (12.9250)				1				1					
	103361	PIN, 1/16" X 1/2" COTTER (12.9250)									1				
	5176810	PIN, 1/4" X 1 1/4" CLEVIS (2.9410)									1				
	5115204	BOLT (1/4"-28X1 1/4") (7.4519)				1				1					
	120380	LOCKWASHER, 1/4" (12.9200)				1				1					
	120392	LOCKWASHER, 1/4" (12.9200)									1				
	114492	NUT, 1/4"-28 (12.9120)				3				3	2				
		7.4545 - HARNESS, AIR SHUT-OFF WIRING													
	5126038	WIRE ASSY. (7.1630)				1									
	5104897	WIRE ASSY.				1									
	5135856	HARNESS ASSY.				1									
	5171509	CLIP, 5/8" (9.1591)				3									
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1									
	103321	LOCKWASHER, 3/8" (12.9200)				1									
		7.4586 - SWITCH, OIL PRESSURE													
6A	5100722	SWITCH (10# BREAK)			1	1				1					
	444285	NIPPLE, 1/8" PIPE (12.9560)			1										
	105412	ELBOW, 1/8" PIPE 90 DEG. (12.9480)			1										

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7.4000C SHUT-OFF OR ALARM SYSTEM

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 548	549	553	558	567	568	577	583	588	614	618	635	649
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)													
	5145009	PLUG, 1/8" PIPE (12.9550)			1										
	120217	LOCKWASHER, #10 (12.9200)				2				2					
	120614	NUT, #10-32 (12.9120)				2				2					
		7.4596 - TUBE, OIL PRESSURE SWITCH													
	5125613	TUBE	1												
	5139150	# TUBE										1			
	5136250	@ TUBE, DEV. L. 7.82"	1												
	5136178	TUBE, DEV. L. 14.60"	1												
6A	5122900	ELBOW, RESTRICTED (IN BLOCK)	1												
	5157992	ELBOW (RESTRICTED) (IN BLOCK)										1			
	225815	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9480)	1									1			
	9413261	TEE, 5/16" INV. FL. TUBE X 1/4" P.T. (IN VALVE) (12.9490)	1									1			
	3290459	CLIP, 5/16" TUBE (2.5220)	2												
	5187568	CLIP, 5/16" TUBE (4.3045)										1			
		# NOT SERVICED; USE 5199575 BULK HOSE (CUT TO SIZE), PLUS (1) 5199583, (1) 5199592 FITTINGS, AND (1) 2488022 CLIP.													
		@ OBSOLETE.													
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN													
	5136252	TUBE	1												
	5136251	% TUBE (DEV. L. 6.32")	1												
	5136254	% TUBE (DEV. L. 6.56")	1												
	5139152	* TUBE (DEV. L. 11.52")										1			
	9432266	CONNECTOR, 3/8" INV. FL. TUBE X 1/8" P.T. (IN BLOCK) (12.9460)	1												
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (IN ADAPTOR) (12.9460)										1			
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. X 1/4" PIPE (12.9480)	1												
	193004	ELBOW, 3/8" INV. FL. TUBE X 1/4" P.T. 90 DEG. (IN BLOCK) (12.9480)	1									1			
	178661	TEE, 3/8" INV. FL. TUBE X 5/8" P.T. (12.9496)	1												
		* NOT SERVICED; USE 5199575 BULK HOSE (CUT TO LENGTH) PLUS (1) 5199588, (1) 5199579 FITTINGS, AND (1) 2488022 CLIP.													
		% OBSOLETE.													
		7.4598 - SWITCH, ALARM SHUT-OFF (FUEL)													
	5100679	SWITCH (20# MAKE)			1	1				2					
	5100722	SWITCH (10# BREAK)									1				
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)				1				1					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 548	549	553	558	567	568	577	583	588	614	618	635	649
		7.4598 - SWITCH, ALARM SHUT-OFF (FUEL) (CONT'D)													
	112877	BUSHING, 1/4"X1/8" RED. (IN FILTER) (12.9570)			1	1				1	1				
	120217	LOCKWASHER, #10 (12.9200)				2				2					
	120614	NUT, #10-32 (12.9120)				2				2					
		7.4611 - GOVERNOR, OVERSPEED TRIP													
		SEE ASSEMBLY BREAKDOWN PAGE A1.													
	5131863	GOVERNOR ASSY.		1				1							
	5131861	GOVERNOR ASSY.												1	
	5134505	GOVERNOR ASSY.													1
	5134506	GOVERNOR ASSY.												1	1
6B	140875	SCREW, #10-24X3/4" SET (12.9076)		2				2							
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)													
	103320	LOCKWASHER, 5/16" (12.9200)													
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR													
	5124823	ADAPTOR		1				1							
	5131946	ADAPTOR, DRIVE												1	1
6B	5124967	ADAPTOR						1							
	5124364	COVER (GOVERNOR MOUNTING)						2							
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2							
	103320	LOCKWASHER, 5/16" (12.9200)													
		7.4644 - SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL													
	5116391	GASKET (ADAPTOR TO FLYWHEEL HOUSING) (1.5050)		1											
	3222141	GASKET (GOVERNOR TO ADAPTOR) (5.3280)		1				1							
6B	5126622	RING, SEAL (GOVERNOR TO ADAPTOR) (1.2020)												1	1
		7.4652 - VALVE, AUTOMATIC SHUT-DOWN AND ALARM SOLENOID													
	5183141	VALVE ASSY., SOLENOID 12V.	1												
	5109317	+ BOLT, #10-24 (12.9001)	1												
	120217	LOCKWASHER, #10 (12.9200)	2												
	110633	NUT, #10-24 (12.9120)	2												

+ OBSOLETE.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 548	549	553	558	567	568	577	583	588	614	618	635	649
		7.4670 - BRACKET, SOLENOID VALVE MOUNTING													
	5133523	BRACKET	1												
	5157412	SPACER, 7/8"X1/4" (7.4013)	2												
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	2												
	103321	LOCKWASHER, 3/8" (12.9200)	2												
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET													
	5126219	TUBE (DEV. L. 11.12") (TO ADAPTOR)			1										
	5136253	% TUBE (DEV. L. 13.44")	1												
	5126126	TUBE (DEV. L. 18.00")					1								
	5139151	+ TUBE (DEV. L. 24.40")										1			
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. X 1/4" P.T. (12.9480)	1				1					1			
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. X 1/4" PIPE (12.9480)	1									1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (IN ADAPTOR) (12.9460)			1		1								
	444148	TEE, 1/4" PIPE (12.9616)										1			
	5104778	TEE, 1/4X1/4X5/8"			1										
	103647	DRAINCOCK, 1/4" (12.9510)			1										
		+ NOT SERVICED; USE 5199575 BULK HOSE (CUT TO LENGTH) PLUS (1) 5199588, (1) 5199579 FITTING, AND (1) 2488022 CLIP.													
		% OBSOLETE.													
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET													
	5125909	TUBE (DEV. L. 11.30") (TO THERMOSTAT HOUSING)			1										
	5125618	TUBE	1												
	5126127	TUBE					1								
	5139149	@ TUBE										1			
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/4" P.T. (IN ADAPTOR) (12.9460)	1		1		1								
	9432267	CONNECTOR, 3/8" INV. FL. TUBE X 3/8" P.T. (IN THERMOSTAT HOUSING)(12.9460)	1		1		1								
	5138305	CONNECTOR ASSY., 3/8" TUBE SEALASTIC (12.9425)										1			
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)										2			
	5125447	ELBOW, 3/8" TUBE 45 DEG. SEALASTIC (12.9425)										1			
	144045	BUSHING, 1/2"X1/4" (12.9570)										1			
	5185432	CLAMP (2.5120)										4			
	110502	SCREW, #10-24X3/4" RD. HD. (12.9025)										4			
	120217	LOCKWASHER, #10 (12.9200)										4			

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 548	549	553	558	567	568	577	583	588	614	618	635	649
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)													
	110633	NUT, #10-24 (12.9120)										4			
	5179937	NUT, 3/8" TUBE SEALASTIC (12.9445)										2			
		@ NOT SERVICED; USE 5199575 BULK HOSE (CUT TO LENGTH) PLUS (1) 5199575, (1) 5199593 FITTING.													
		7.4707 - RELAY, TIME DELAY													
	5146219	# RELAY ASSY.			1	1				1					
	132788	SCREW, #8-32X1 3/4" FIL HD. (12.9010)				2				2					
	446143	WASHER, #8 (12.9190)				2				2					
	121841	LOCKWASHER, #8 (12.9200)				2				2					
		# NOT SERVICED, FOR SERVICE USE 8921717 KIT.													
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING													
	5182531	+ PLATE				1				1					
	5147454	BRACKET								1					
	5104903	BRACKET				1									
		+ OBSOLETE.													
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING													
	5182532	+ INSULATOR				1				1					
	132768	SCREW, #8-32X3/4" FIL HD. (12.9010)				4				4					
	121841	LOCKWASHER, #8 (12.9200)				4				4					
	120622	NUT, #8-32 (12.9120)				4				4					
		+ OBSOLETE.													

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 661	663	664	667	668	672	681	684	691	705	709	728	734
		7.4505 - SWITCH, WATER TEMPERATURE													
	5146080	SWITCH	1				1	1	1			1			
4B	5144496	SWITCH ASSY. (206 DEG.)		1											1
6B	5120976	VALVE ASSY. (200 DEG.)			1					1	1			1	
	5109717	PLUNGER		1	1					1	1			1	1
	5109719	SPRING		1	1					1	1			1	1
	5163830	GASKET (5.2180)		1	1					1	1			1	1
	103320	LOCKWASHER, 5/16" (12.9200)		2	2					2	2			2	2
	114493	LOCKNUT, 5/16"-24 (2.7170)		2	2					2	2			2	2
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH													
6A	5109718	ADAPTOR ASSY.		1	1					1	1			1	1
	5113655	STUD, 5/16"-18-24 X 2.46" (IN EXHAUST MANIFOLD)		2	2					2	2			2	2
	5121182	PLUG, 1/4" PIPE (2.4015)		1	1					1	1			1	1
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR													
	5113412	GASKET		1	1					1	1			1	1
		7.4513 - BELL, ALARM SYSTEM													
	8921360	BELL (12V)										1			
		7.4519 - SOLENOID, AIR SHUT-OFF													
	1118191	* SOLENOID (24V. - 32V.)	1				1	1							
	1118128	* SOLENOID (12V.)		1		1			1						1
	5124916	SPACER (7.4538)		2											
	5183261	RELAY (12V.)		1											
	5125863	CLIP		1											1
	180016	BOLT, 1/4"-20 X 1/2" (12.9001)		2											
	186679	BOLT, 1/4"-20 X 5/8" (12.9001)	4	2		4	4	4	4						2
	213546	BOLT, 1/4"-20 X 1" (12.9001)		2											2
	5115204	BOLT, 1/4"-28X1/4" (RELEASE LATCH)			1										
	120392	WASHER, 1/4" (12.9190)		1											
	120380	LOCKWASHER, 1/4" (12.9200)	4	AR	1	4	4	AR	AR						AR
	120375	NUT, 1/4"-20 (12.9120)	4	6		4	4	4	4						4
	114492	LOCKNUT, 1/4"-28 (12.9120)		2	1										2
		* NOT SERVICED BY DDA. PROCURE THRU AC DELCO.													
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET)													
	5146238	WIRE ASSY. (57" L.) (2.9422)			1					1					
	5126538	PLATE, INSTRUCTION			1					1				1	
	5125878	SPRING (3.3050)			1									1	
	3290569	CLIP (7.8320)			1									1	
	123298	BOLT, 1/4"-28 X 3/8" (12.9001)			1									1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 661	663	664	667	668	672	681	684	691	705	709	728	734
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET) (CONT'D)													
	120380	LOCKWASHER, 1/4" (12.9200)			1									1	
	110730	LOCKWASHER, 3/8" (12.9200)			1					1				1	
	121902	NUT, 1/4"-28 (12.9120)			1									1	
	124925	NUT, 3/8"-24 (12.9120)			1					1				1	
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID													
	5125839	BRACKET	1				1		1						
	5125862	BRACKET (SOLENOID)		1											1
	5139236	BRACKET				1									
	5133566	BRACKET						1							
	454813	BOLT, 3/8"-16 X 7/8" (12.9001)		2											2
	179846	BOLT, 3/8"-16 X 1 7/8" (12.9001)	2			2	2	2	2						
	103341	WASHER, 3/8" (12.9190)					2		4						
	103321	LOCKWASHER, 3/8" (12.9200)	2	2			2		4						2
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL													
	5172502	ROD, 1/4"-28 X 2 1/2" (2.9348)						1							
	5142895	LINK	1			1	1		1						
6A	5115836	LINK (BELLOWS TO LATCH)			1										
	5133622	LINK						1							
	112526	PIN, 1/16" X 3/8" COTTER (12.9250)	1		1	1	1	1	1						
	5124916	SPACER, 9/32" I.D. X .30"	1			1	1		1						
	5118445	SPACER, 2.55" I.D. X .18" (7.4519)						1							
	5115204	BOLT, 1/4"-28 X 1 1/4" (7.4519)	1			1	1	1	1						
	120380	LOCKWASHER, 1/4" (12.9200)	1			1	1	1	1						
	114492	LOCKNUT, 1/4"-28 (12.9120)	3			3	3	3	3						
	120375	NUT, 1/4"-20 (12.9120)						2							
		7.4545 - HARNESS, AIR SHUT-OFF WIRING													
	5126038	WIRE ASSY. (7.1630)					1		1						
	5182572	WIRE ASSY.							1						
	5104897	WIRE ASSY.					1								
	5142127	+ WIRE ASSY.							1						
	5171509	CLIP, 5/8" (9.1591)					3		3						
	179835	BOLT, 3/8"-16 X 5/8" (12.9001)					1		1						
	103321	LOCKWASHER, 3/8" (12.9200)					1		1						
		+ OBSOLETE.													
		7.4550 - HOUSING, AIR SHUT-OFF CONTROL													
6A	5113159	HOUSING			1										
	186676	BOLT, 3/8"-20 X 5/8" (12.9001)			1										
	103319	LOCKWASHER, 1/4" (12.9200)			1										

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6611	6613	6644	6667	6688	6722	6811	6844	6911	7005	7099	7288	7344
		7.4553 - COVER, AIR SHUT-OFF CONTROL HOUSING													
	5113160	COVER			1										
	271169	NUT, #10-32 (WITH LOCKWASHER) (12.9120)			2										
		7.4586 - SWITCH, OIL PRESSURE													
	5100720	= SWITCH (27# BREAK)	1	1			1	1	1						
	1507589	SWITCH (27# BREAK)	1	1			1	1	1						
	5100723	+ SWITCH (20# BREAK)													1
	1508095	SWITCH (20# BREAK)													1
6A	**5186528**	BELLOWS ASSY.			1										
	444285	NIPPLE, 1/8" PIPE (12.9560)		1											1
	105412	ELBOW, 1/8" PIPE 90 DEG. (12.9480)		1											1
	5145009	PLUG, 1/8" PIPE (12.9550)		1											1
	132105	SCREW, #10-32 X 3/8" FIL. HD. (12.9025)			4										
	120217	LOCKWASHER, #10 (12.9200)	2				2	2	2						
	120614	NUT, #10-32 (12.9120)	2				2	2	2						
	271169	NUT, #10-32 (WITH LOCKWASHER) (12.9120)			4										
		= OPTIONAL TO 1507589.													
		+ OPTIONAL TO 1508095.													
		7.4596 - TUBE, OIL PRESSURE SWITCH													
	5133506	TUBE (DEV. L. 11.50")			1										
	5133507	TUBE (DEV. L. 12.68")			1										
	5125910	TUBE (DEV. L. 18.70") (TO TEMP. VALVE)								1					
	5126221	TUBE (DEV. L. 27.10") (TO BELLOWS)								1					
	5126176	TUBE (DEV. L. 38.74") (TO BELLOWS)			1						1				
	5143787	TUBE ASSY. (DEV. L. 10.64") (TO VALVE)												1	
	5143786	TUBE ASSY. (DEV. L. 10.64") (TO BELLOWS)												1	
	5133524	*TUBE ASSY. (DEV. L. 11.00")*			1										
	5125665	TUBE ASSY. (DEV. L. 20.24")									1				
6A	**5122900**	ELBOW, RESTRICTED (IN BLOCK)			1					1	1			1	
	225815	ELBOW, 5/16" TUBE 90 DEG. (12.9425)			1						1				
	193004	ELBOW, 3/8"-90 DEG. (12.9480)			1										
	3290459	CLIP, 5/16" TUBE (2.5220)			1					2	1				
	5177623	CLIP, 3/8" TUBE (2.5120)			1						1				
	9413261	TEE, 5/16" INV. FL. TUBE (12.9490)			2					1	1				
	442347	TEE, 5/16" INV. FL. TUBE (12.9490)								1				1	
	442322	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)												1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 661	663	664	667	668	672	681	684	691	705	709	728	734
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)													
	5173134	BRACKET, CLIP (4.1540)								1					
	181333	BOLT, 5/16"-24 X 5/8" (12.9001)								1					
	100014	BOLT, 5/16"-24 X 1" (12.9001)			1						1				
	103320	LOCKWASHER, 5/16" (12.9200)			1					1	1				
	114493	LOCKNUT, 5/16"-24 (2.7170)			1					1	1				
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN													
	5143789	TUBE ASSY. (DEV. L. 15.58")												1	
	5133505	+ TUBE ASSY. (DEV. L. 15.60")			1										
	5125664	TUBE ASSY. (DEV. L. 16")									1				
	5126225	TUBE (DEV. L. 20.38")								1					
	9432248	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)								1				1	
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)												1	
	178690	TEE, 3/8" INV. FL. TUBE (12.9490)			1										
	9432266	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)			1						1				
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/8" PIPE (12.9460)								1	1				
		+ NOT SERVICED, FOR SERVICE FABRICATE 12.25" L. FROM 5199575 BULK HOSE AND INCLUDE FITTINGS OF 5199579 AND 5199593 @ 1 EA.													
		7.4598 - SWITCH, ALARM SHUT-OFF (FUEL)													
	5100679	= SWITCH (20# MAKE)	1				1	1	1			1			2
	1507290	SWITCH (20# MAKE)	1				1	1	1						2
	1507591	SWITCH (30# MAKE)		1											
	5100721	+ SWITCH (30# MAKE)		1											
	5100722	SWITCH (19# BREAK)										1			
	112877	BUSHING, 1/4" X 1/8" RED. (12.9570)		1			1		1			1			1
	5177752	ELBOW, RESTRICTION (2.7890)													
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9550)					1		1						
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9550)										1			
	120217	LOCKWASHER, #10 (12.9200)	2	2			2	2	2						
	120614	NUT, #10-32 (12.9120)	2	2			2	2	2						2
		= OPTIONAL TO 1507290.													
		+ OPTIONAL TO 1507591.													
		7.4611 - GOVERNOR, OVERSPEED TRIP													
		SEE ASSEMBLY BREAKDOWN PAGE A1.													
	5134505	GOVERNOR ASSY.											1		
	140875	SCREW, #10-24 X 3/4" SET (12.9076)											1		
	186625	BOLT, 5/16"-18 X 7/8" (12.9001)											2		
	103320	LOCKWASHER, 5/16" (12.9200)											2		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6V61	6V63	6V64	6V67	6V68	6V72	8V61	8V64	9V61	12V705	12V709	12V728	12V734
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR													
6B	5124967	ADAPTOR											1		
	5131946	ADAPTOR, DRIVE											1		
	5124364	COVER (GOVERNOR MOUNTING)											1		
		7.4644 - SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL													
	3222141	GASKET (TO GOVERNOR TO ADAPTOR) (5.3280)											1		
	5126622	RING, SEAL (GOVERNOR TO ADAPTOR) (1.2020)											1		
		7.4652 - VALVE, AUTOMATIC SHUTDOWN AND ALARM SOLENOID													
	5183141	VALVE ASSY., SOLENOID 12V.			1										
	5109317	+ BOLT, #10-24 (2.8917)			1										
	120217	LOCKWASHER, #10 (12.9200)			2										
	110633	NUT, #10-24 (12.9120)			2										
		+ OBSOLETE.													
		7.4668 - TUBE, OVERSPEED GOVERNOR OIL SUPPLY													
	5143698	TUBE ASSY. (DEV. L. 25.30")												1	
	5126223	TUBE (DEV. L. 21.84")								1					
	442347	TEE, 5/16" INV. FL. TUBE (12.9450)								1				1	
	3291487	CLIP, 5/16" (5.5200)												1	
		7.4670 - BRACKET, SOLENOID VALVE MOUNTING													
	5133523	BRACKET			1										
	5157412	SPACER, 7/8" X 1/4" (7.4013)			2										
	186679	BOLT, 3/8"-16 X 1 1/4" (12.9001)			2										
	103321	LOCKWASHER, 3/8" (12.9200)			2										
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET													
	5143788	TUBE ASSY. (DEV. L. 9.42")												1	
	5126219	TUBE ASSY. (DEV. L. 11.12") (TO ADAPTOR)		1						1					1
	5137154	TUBE ASSY. (DEV. L. 14.22")								1					
	5126182	TUBE ASSY. (DEV. L. 15.86")			1										
	193004	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)			1									1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1					1	1			1	1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 661	663	664	667	668	672	681	684	691	705	709	728	734
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET (CONT'D)													
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)									1				
	5104778	TEE (3/8" INV. FL. TUBE) (IN COVER)		1						1					1
	444136	TEE (3/8" INV. FL. TUBE) (IN COVER) (12.9616)									1				
	5145014	PLUG, 3/8" PIPE (12.9550)									1				
	103647	DRAINCOCK, 1/4" (12.9510)		1						1					1
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET													
	5125909	TUBE ASSY. (DEV. L. 11.30")		1						1					1
	5126178	TUBE ASSY. (DEV. L. 14.16")			1						1				
	5143844	TUBE ASSY. (DEV. L. 23.44")												1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1					1	1				1
	9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)		1	1					1	1			1	1
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)												1	
		7.4707 - RELAY, TIME DELAY													
	5182544	+ RELAY ASSY.	1	1			1	1	1						1
	132788	SCREW, #8-32 X 1 3/4" FIL. HD. (12.9010)	2				2	2	2						
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)													
	446143	WASHER, #8 (12.9190)	2				2	2	2						
	121841	LOCKWASHER, #8 (12.9200)	2				2	2	2						
	103321	LOCKWASHER, 3/8" (12.9200)					2								
		+ NOT SERVICED, USE 8921717 KIT.													
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING													
	5182531	+ PLATE	1				1	1	1						
	5127699	BRACKET		1											
	5188436	BRACKET						1	1						
	5104903	BRACKET					1								
		+ OBSOLETE.													
		7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING													
	5182532	+ INSULATOR	1				1	1	1						
	132768	SCREW, #8-32 X 3/4" FIL. HD. (12.9010)	4				4	4	4						
	121841	LOCKWASHER, #8 (12.9200)	4				4	4	4						
	120622	NUT, #8-32 (12.9120)	4				4	4	4						
		+ OBSOLETE.													

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 735	738	739	760	776	779	782	866	869	893	899	902
		7.4505 - SWITCH, WATER TEMPERATURE												
	5146080	SWITCH							1		1	1		1
4B	5144496	SWITCH ASSY. (206 DEG.)				1	1							
6B	5120976	VALVE ASSY. (200 DEG.)		1				1					1	
	5109717	PLUNGER		1		1	1						1	
	5109719	SPRING		1		1	1						1	
	5164190	COVER (WITH 1/4" NPT TAP)		1		1	1							
	5189143	COVER (WITH 1/2" NPT TAP) (1.1060)												1
	5163830	GASKET (5.2180)		1		1	1						1	
	5127510	TEE, 1/4" PIPE X 5/8"-14 INV. FL. TUBE (IN COVER) (12.9490)	1	1										
	5129184	TEE, 1/4" NPT SPECIAL					1							
	442323	CONNECTOR, 3/8" TUBE, 1/4"-18 (12.9460)					1							
	103647	DRAINCOCK, 1/4" (IN TEE) (12.9510)		1										
	103320	LOCKWASHER, 5/16" (12.9200)		2		2	2	2					2	
	114493	LOCKNUT, 5/16"-24 (2.7170)		2		2	2	2					2	
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
6A	5109718	ADAPTOR ASSY.		1		1	1						1	
	5113655	STUD, 5/16"-18-24X2.46" (IN EXHAUST MANIFOLD)		2		2	2						2	
	5143176	TUBE ASSY., WATER SUPPLY		1										
	5145055	+ TUBE ASSY., WATER SUPPLY					1							
	143338	ELBOW, 3/8" INV. FL. TUBE, 45 DEG. X 1/4"-18 PIPE (12.9480)		2			1							
	5121182	PLUG, 1/4" PIPE (2.4015)		1		1	2						1	
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET		1		1	1	1					1	
		7.4519 - SOLENOID, AIR SHUT-OFF												
	1119752	* SOLENOID (24V.)									1			
	1118191	* SOLENOID (24V.-32V.)					1							
	1118128	* SOLENOID (12V.)				1			1	1		1		
	5125863	CLIP				1								
	186679	BOLT, 1/4"-20X5/8" (12.9001)				2			4	4	4			
	443603	BOLT, 1/4"-20X3/4" (12.9001)					4					4		
	213546	BOLT, 1/4"-20X1" (12.9001)				2								
	120392	WASHER, 1/4" (12.9190)										4		
	120380	LOCKWASHER, 1/4" (12.9200)				AR	4		AR	AR	4	4		
	120375	NUT, 1/4"-20 (12.9120)				4	4		4	4	4	4		
	114492	LOCKNUT, 1/4"-28 (12.9120)				2								

* NOT SERVICED BY DDA. PROCURE THRU AC DELCO.

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 735	738	739	760	776	779	782	866	869	893	899	902
		7.4525 - WIRE, AIR SHUT-OFF CONTROL (RESET)												
	5146238	WIRE ASSY. (57"L) (2.9422)						1						
	5126538	PLATE, INSTRUCTION						1						
	5125878	SPRING (3.3050)						1						
	3290569	CLIP (7.8320)						1						
	123298	BOLT, 1/4"-28X3/8" (12.9001)						1						
	110730	LOCKWASHER, 3/8" (12.9200)						1						
	103321	LOCKWASHER, 3/8" (12.9200)						1						
	121902	NUT, 1/4"-28 (12.9120)						1						
	124925	NUT, 3/8"-24 (12.9120)						1						
		7.4530 - BRACKET, AIR SHUT-OFF SOLENOID												
	5125839	BRACKET									1			
	5125862	BRACKET (SOLENOID)				1								
	5130142	BRACKET					1					1		
	5140279	BRACKET							1		1			
	5196119	SPACER, 13/32"X7/8" (3.4001)								2				
	5173085	SPACER, 7/16"X5/8"X7/8"					3					3		
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)					3					3		
	454813	BOLT, 3/8"-16X7/8" (12.9001)				2								
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)							2		2			
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)								2				
	103320	LOCKWASHER, 5/16" (12.9200)					3					3		
	103321	LOCKWASHER, 3/8" (12.9200)								4				
		7.4532 - LEVER, AIR SHUT-OFF RESET												
	273669	PIN, 5/16"X7/16" STRAIGHT (12.9300)		1										
	140881	SCREW, #10-32X5/16" (12.9076)		1										
	120385	WASHER, #12 (12.9190)		1										
	5168374	NUT (3.3090)		1										
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5142895	LINK									1			
6A	5115836	LINK (BELLOWS TO LATCH)		1				1					1	
	5178860	LINK					1					1		
	5124918	LINK							1	1				
	112526	PIN, 1/16"X3/8" COTTER (12.9250)						1	1	1	1		1	
	103361	PIN, 1/16"X1/2" COTTER (12.9250)					1					1		

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 735	738	739	760	776	779	782	866	869	893	899	902
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL (CONT'D)												
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)					1					1		
	5124916	SPACER, 9/32" I.D. X .30"							1	1	1			
	5155782	CLIP, 3/16" TUBE, 1/4" BOLT (7.8320)		1										
	181309	BOLT, 1/4"-28X1/2" (12.9001)		1										
	5124846	BOLT, 1/4"-28X1" (3.3110)		1										
	5115204	BOLT, 1/4"-28X1 1/4" (7.4519)							1	1	1			
	120392	WASHER, 1/4" (12.9190)					1					1		
	120380	LOCKWASHER, 1/4" (12.9200)		1					1	1	1			
	114492	NUT, 1/4"-28 (12.9120)					2		3	3	3	2		
	121902	NUT, 1/4"-28 (12.9120)		1										
		7.4545 - HARNESS, AIR SHUT-OFF WIRING												
	5145213	+ HARNESS					1							
	3223197	CLIP, 2 3/4"X3/4" (7.4580)					4							
	186618	BOLT, 5/16"-18X5/8" (12.9001)					1							
	103320	LOCKWASHER, 5/16" (12.9200)					1							
		+ OBSOLETE.												
		7.4550 - HOUSING, AIR SHUT-OFF CONTROL												
6A	5113159	HOUSING						1					1	
	186676	BOLT, 3/8"-20X5/8" (12.9001)						1					1	
	103319	LOCKWASHER, 1/4" (12.9200)						1					1	
		7.4553 - COVER, AIR SHUT-OFF CONTROL HOUSING												
	5113160	COVER		1				1					1	
	271169	NUT, #10-32 (WITH LOCKWASHER) (12.9120)		2				2					2	
		7.4560 - SPRING, AIR SHUT-OFF RESET LATCH												
	5124852	SPRING (RESET WIRE RETURN) (3.3070)		1										
		7.4586 - SWITCH, OIL PRESSURE												
	5100720	SWITCH (27# BREAK)					1					1		
	5100722	SWITCH (10# BREAK)				1			1		1	1		1
6A	5186528	BELLOWS ASSY.		1				1					1	
	9409943	TEE, 1/8" PIPE												1
	443762	EXTENSION, 1/8" LUBE FITTING (12.9540)												1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 7355	7358	7359	7360	7376	7379	7382	8669	8933	8999	9002
		7.4586 - SWITCH, OIL PRESSURE (CONT'D)											
	444285	NIPPLE, 1/8" PIPE (12.9560)				1							
	105412	ELBOW, 1/8" PIPE 90 DEG. (12.9480)				1							
	225815	ELBOW, 5/16"-90 DEG., 1/8" P.T. (12.9480)		1									
	143338	ELBOW, 3/8"-45 DEG., 1/4" P.T. (12.9480)		1									
	193004	ELBOW, 3/8"-90 DEG., 1/4" P.T. (12.9480)		1									
	5145009	PLUG, 1/8" PIPE (12.9550)				1							
	5115214	PLUG, 1/2" PIPE (12.9550)		1									
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)					1				1		
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)		1									
	132105	SCREW, #10-32X3/8" FIL. HD. (12.9025)		4				4				4	
	120217	LOCKWASHER, #10 (12.9200)							2	2			2
	120614	NUT, #10-32 (12.9120)							2	2			2
	271169	NUT, #10-32 (WITH LOCK WASHER) (12.9120)		4				4				4	
		7.4596 - TUBE, OIL PRESSURE SWITCH											
	5143178	TUBE ASSY. (OIL SUPPLY)		1									
	5127897	% TUBE ASSY. (DEV. L. 11.60") (TO BELLOWS)						1					
	5128301	TUBE ASSY. (DEV. L. 22.26") (SUPPLY)						1					
	5125612	TUBE ASSY. (DEV. L. 29.50") (PRESSURE BLK. TO TEMP. VALVE)										1	
	5125613	TUBE ASSY. (DEV. L. 45.22") (TEMP. VALVE TO BELLOWS)										1	
	5132615	HOSE ASSY., #5X30" L. (TO BELLOWS) (7.8300)		1									
	5100136	ADAPTOR, 1/8" PIPE (12.9570)		1									
6A	5122900	ELBOW, RESTRICTED (IN BLOCK)										1	
	225815	ELBOW, 5/16" TUBE 90 DEG. (12.9425)						1				1	
	143337	ELBOW, 5/16"-45 DEG., 1/4" P.T. (12.9480)		1									
	5161872	CLIP, DOUBLE TUBE (1 5/8" L.) (NEOPRENE COATED) (2.5220)		2									
	3290459	CLIP, 5/16" TUBE (2.5220)										2	
	5159490	CLIP, 5/16" (7.4076)						1					
	5153473	CLIP, 1/2" TUBE, 3/8" BOLT (4.6040)		1									
	5112241	CLIP, 2 1/2"X5/8" (2 TUBE) (2.5070)										2	
	9413261	TEE, 5/16" INV. FL. TUBE (12.9490)						1				1	
	5133872	TEE, 5/16" TUBE (.055" RESTRICTED) (2.8910)		1									
	5128206	CONNECTOR, 1/8" INV. FL. TUBE						1					
	5157412	SPACER, 7/8"X1/4" (7.4013)		1									

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7.4000C SHUT-OFF OR ALARM SYSTEM

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 735	738	739	760	776	779	782	866	869	893	899	902
		7.4596 - TUBE, OIL PRESSURE SWITCH (CONT'D)												
	132259	SCREW, 1/4"-20X5/8"		1										
	110502	SCREW, #10X24X3/4" (12.9025)											1	
	454813	BOLT, 3/8"-16X7/8" (12.9001)		1										
	120380	LOCKWASHER, 1/4" (12.9200)		1										
	103321	LOCKWASHER, 3/8" (12.9200)		1										
	120217	LOCKWASHER, #10 (12.9200)											1	
	120375	NUT, 1/4"-20 (12.9120)		1										
	110633	NUT, #10-24 (12.9120)											1	
		% NOT SERVICED, FOR SERVICE USE 1-5199575 HOSE, 2-5199588 FITTINGS AND SD-29.												
		7.4597 - TUBE, OIL PRESSURE SWITCH RETURN												
	5125615	TUBE ASSY. (DEV. L. 18.50")											1	
	5128300	TUBE ASSY. (DEV. L. 35.94")						1						
	9432248	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)											1	
	9432249	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)						1						
	442323	CONNECTOR, 3/8" INV. FL. TUBE X 1/8" PIPE (12.9460)						1					1	
	5177623	CLIP, 3/8" TUBE (2.5120)						1						
	5112241	CLAMP (2.5070)						2					2	
	454813	BOLT, 3/8"-16X7/8" (12.9001)						1						
	110502	BOLT, #10-24X3/4" (12.9001)						1					1	
	103341	WASHER, 3/8" (12.9190)						1						
	120217	LOCKWASHER, #10 (12.9200)						1					1	
	103321	LOCKWASHER, 3/8" (12.9200)						1						
	110633	NUT, #10-24 (12.9120)						1					1	
		7.4598 - SWITCH, ALARM SHUT-OFF (FUEL)												
	5100679	SWITCH (20# MAKE)							1		1			
	5100721	SWITCH (30# MAKE)				1	1					1		
	444148	TEE, 1/4"-18 PIPE (12.9616)					1				1	1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)				1	1				1	1		
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9550)									1			
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9550)										1		
	120217	LOCKWASHER, #10 (12.9200)							2		2			
	120614	NUT, #10-32 (12.9120)							2		2			
		7.4611 - GOVERNOR, OVERSPEED TRIP												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5134505	GOVERNOR ASSY.			1									
6C	5138198	+ GOVERNOR ASSY.	1											
	140869	SCREW, #10-24X5/16" SET (12.9076)			1									

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 735	738	739	760	776	779	782	866	869	893	899	902
		7.4611 - GOVERNOR, OVERSPEED TRIP (CONT'D)												
	186629	BOLT, 5/16"-18X1" (12.9001)	2											
	446202	WASHER, 5/16" COPPER (12.9190)	2											
		+ OBSOLETE.												
		7.4635 - ADAPTOR, OVERSPEED TRIP GOVERNOR												
	5124365	ADAPTOR			1									
	5140067	ADAPTOR (TO FLYWHEEL HOUSING) (S.D. 122)			1									
	179858	BOLT, 7/16"-14X1" (12.9001)			1									
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4									
		7.4638 - GASKET, OVERSPEED TRIP GOVERNOR ADAPTOR												
	5138159	GASKET	1											
		7.4644 - SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL												
	5126622	RING, SEAL (GOVERNOR TO ADAPTOR) (1.2020)			1									
		7.4694 - TUBE, EXHAUST MANIFOLD WATER INLET												
	5126219	TUBE ASSY. (DEV. L. 11.12") (TO ADAPTOR)				1								
	5146516	TUBE ASSY. (DEV. L. 17.26")											1	
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1							2	
	5104778	TEE, 1/4"X1/4"X5/8"				1								
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)											1	
	103647	DRAINCOCK, 1/4" (12.9510)				1								
		7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET												
	5145214	TUBE ASSY. (DEV. L. 11.15") (TO THERM. HOUSING)					1							
	5125909	TUBE ASSY. (DEV. L. 11.30")				1								
	5143177	TUBE ASSY. (DEV. L. 13.97")		1									1	
	5146509	TUBE ASSY. (DEV. L. 18.60")												
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)					1							
	442323	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1	1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

PART NUMBER	NAME AND DESCRIPTION	TYPES 735	738	739	760	776	779	782	866	869	893	899	902
7.4699 - TUBE, EXHAUST MANIFOLD WATER OUTLET (CONT'D)													
9432267	CONNECTOR, 3/8" INV. FL. TUBE (12.9460)				1							1	
193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)					1						1	
9432249	ELBOW, 3/8"-90 DEG., 3/8" P.T. (12.9480)		1										
5182359	BRACKET (9.9535)		1										
5131190	CLIP, 3/8" TUBE (2.5120)		1										
3223241	CLIP, 3/8" TUBE (DOUBLE TUBE) (2.5220)											2	
443603	BOLT, 1/4"-20X3/4" (12.9001)											1	
454813	BOLT, 3/8"-16X7/8" (12.9001)		1										
103319	LOCKWASHER, 1/4" (12.9200)											1	
103321	LOCKWASHER, 3/8" (12.9200)		1										
123390	NUT, 1/4"-20 JAM (12.9120)											1	
123221	NUT, 3/8"-16 (12.9120)		1										
7.4707 - RELAY, TIME DELAY													
5146219	% RELAY ASSY.				1	1		1			1		
132788	SCREW, #8-32X1 3/4" FIL. HD. (12.9010)					2		2			2		
446143	WASHER, #8 (12.9190)					2		2			2		
121841	LOCKWASHER, #8 (12.9200)					2		2			2		
	% NOT SERVICED, FOR SERVICE USE 8921717 KIT.												
7.4711 - PLATE, TIME DELAY RELAY MOUNTING													
5182531	+ PLATE					1		1			1		
5147454	BRACKET					1					1		
5118956	SPACER, 13/32"I.D.X3/4"O.D.X1.12"L					2					2		
186315	BOLT, 3/8"-24X4 1/2" (12.9001)					2					2		
	+ OBSOLETE.												
7.4713 - INSULATOR, TIME DELAY RELAY MOUNTING													
5182532	+ INSULATOR					1		1			1		
132768	SCREW, #8-32X3/4" FIL. HD. (12.9010)					4		4			4		
121841	LOCKWASHER, #8 (12.9200)					4		4			4		
120622	NUT, #8-32 (12.9120)					4		4			4		
	+ OBSOLETE.												
7.4748 - TUBE, OVERSPEED VALVE OIL DRAIN													
5143179	TUBE ASSY. (24.38" DEV. L.)		1										
5143370	HOSE ASSY. (#5X25.00") (7.4746)		1										
5177623	CLIP, 3/8" TUBE (2.5120)		1										

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 735	738	739	760	776	779	782	866	869	893	899	902
	7.4748	**- TUBE, OVERSPEED VALVE OIL DRAIN (CONT'D)**												
	5153473	CLIP, 1/2" TUBE, 3/8" BOLT (4.6040)		1										
	442347	TEE, 5/16" THREE-WAY (12.9490)		1										

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 918	934	946	957	958	970	973	998	1012	1016	1018	1021
		7.4505 - SWITCH, WATER TEMPERATURE												
		A SWITCH ASSY. INCLUDES NEXT 25 ITEMS IN 7.4505.												
	5130262	% SWITCH	1											
	5146080	SWITCH		1		1	2	1	1	1	1	1		1
	5142324	# SWITCH ASSY. (210 DEG.)	1											
	5104916	SWITCH (215 DEG.)											1	
	5109717	PLUNGER	1											
	5131437	% BRACKET, SWITCH	1											
	5142387	% ELEMENT (203 DEG.)	1											
	5130270	% SEAL RING	1											
4B	5130267	% SHAFT, SHUTDOWN SWITCH	1											
4B	5130272	% SPRING	1										1	
	5109719	SPRING, COMPRESSION	1										1	
	5163830	GASKET (5.2180)	1											
4B	5130261	% ACTUATOR, SWITCH	1											
	5130264	% PLATE, SWITCH SUPPORT	1											
4B	5130230	% WIRE, WATER TEMP. SWITCH	2											
	5130269	% SUPPORT, SHUTDOWN	1											
	5131438	% COVER, SHUTDOWN SWITCH	1											
	5130266	% PLUG	2											
	188978	% SCREW, #10-24X3/8" (12.9010)	2											
	132776	SCREW, #8-32X1" (12.9025)	3											
	421556	SCREW, #2-56X3/4" (12.9025)	2											
	126266	% BOLT, #10-24X7/8" RD. HD.	2											
	5130265	% WASHER, INSULATED	2											
	5130378	WASHER, #10 SPRING	2											
	221158	% WASHER, 3/32" X 1/4" (12.9190)	2											
	446152	WASHER, 13/64" (12.9190)	2											
	120217	LOCKWASHER, #10 (12.9200)	2											
	106496	LOCKWASHER, #8 (12.9200)	3											
	5130271	% NUT, 5/16"-24	1											
	120361	NUT, #10-24 (12.9120)	4											
	9419440	NUT, #2-56 LOCK (12.9120)	2											
		% OBSOLETE.												
		# NOT SERVICED, FOR SERVICE USE 5107326.												
		7.4509 - ADAPTOR, WATER TEMPERATURE SWITCH												
	5109718	ADAPTOR ASSY.	1										1	
	5113655	STUD, 5/16"-18X5/16"-24X2.46"L.	2										2	
	5121182	PLUG, 1/4"-18 PIPE (2.4015)	1										1	
	103320	LOCKWASHER, 5/16" (12.9200)	2										2	
	114493	LOCKNUT, 5/16"-24 (2.7170)	2										2	
		7.4510 - GASKET, WATER TEMPERATURE SWITCH ADAPTOR												
	5113412	GASKET	1										1	
		7.4513 - BELL, ALARM SYSTEM												
	8921360	BELL												1

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9180	9340	9460	9570	9580	9700	9730	9980	10120	10160	10180	10210
		7.4519 - SOLENOID, AIR SHUTOFF												
	1118128	* SOLENOID (12V.)	1	1	1	1			1	1	1			
	1118191	* SOLENOID (24V.-32V.)					1	1						
	186676	BOLT, 1/4"-20X5/8" (12.9001)		4			4			4				
	443603	BOLT, 1/4"-20X3/4" (12.9001)			4			4						
	5115204	BOLT, 1/4"-28X1 1/4" (RELEASE LATCH)	1											
	179795	BOLT, 1/4"-20X5/8" (12.9001)	4			4			4		4			
	120392	WASHER, 1/4" (12.9190)	4	4	4	4		4	4		4			
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4	4	4	4	4	4			
	120375	NUT, 1/4"-20 (12.9120)	4	4	4	4	4	4	4	4	4			
		* NOT SERVICED BY DDA. PROCURE THRU AC DELCO.												
		7.4530 - BRACKET, AIR SHUTOFF SOLENOID												
	5142895	BRACKET	1											
	5125839	BRACKET	1			1								
	5130142	BRACKET			1			1						
	5140279	BRACKET		1			1		1	1				
	5173085	SPACER, 7/16"X5/8"X7/8"			3			3						
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)			3			3						
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)	2											
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)		2		2	2		2	2				
	103320	LOCKWASHER, 5/16" (12.9200)			3			3						
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2								
	103341	WASHER, 3/8" (12.9190)		2		2								
	114492	NUT, 1/4"-28 JAM (12.9120)	2											
		7.4538 - ROD, AIR SHUT-OFF SOLENOID CONTROL												
	5141260	LEVER (7.4520)	1											
	5142895	LINK				1								
	5178860	LINK			1			1						
	5124918	LINK		1			1		1	1	1			
	5124916	SPACER, 9/32"X7/16"X.30"	1	1		1	1		1	1	1			
	112526	PIN, 1/16"X3/8" COTTER (12.9250)	1	1		1	1		1	1				
	103361	PIN, 1/16"X1/2" COTTER (12.9250)			1			1						
	455532	PIN, 1/8"X1/2" L. (12.9275)	1											
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)			1			1						
	112526	PIN, 1/16" X 3/8" COTTER (12.9250)									1			
	186676	BOLT, 1/4"-20X5/8" (12.9001)	2											
	5115204	BOLT, 1/4"-28X1 1/4" (7.4519)		1		1	1		1	1	1			
	120392	WASHER, 1/4" (12.9190)			2			2		4				
	120380	LOCKWASHER, 1/4" (12.9200)	1	1		1	1		1	1	1			
	103319	LOCKWASHER, 1/4" (12.9200)	1											
	114492	NUT, 1/4"-28 JAM (12.9120)	1	3	2		3	2	2	3	3			
	120613	NUT, 1/4"-28 (12.9120)				3								
		7.4545 - HARNESS, AIR SHUT-OFF WIRING												
	5135856	HARNESS		1										
	5108521	HARNESS ASSY.					1							
	5126038	WIRE ASSY. (7.1630)		1		1	1							

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7.4000C SHUT-OFF OR ALARM SYSTEM

PART NUMBER	NAME AND DESCRIPTION	TYPES 918	934	946	957	958	970	973	998	1012	1016	1018	1021
	7.4545 - HARNESS, AIR SHUT-OFF WIRING (CONT'D)												
5182572	WIRE ASSY.		1		1								
5171509	CLIP, 5/8" (9.1591)		3										
179835	BOLT, 3/8"-16X5/8" (12.9001)		1										
103321	LOCKWASHER, 3/8" (12.9200)		1										
121841	LOCKWASHER, #8 CAD. (12.9200)					1							
5102207	WIRE ASSY.					2							
3223197	CLIP												
120622	NUT, #8-32 CAD. (12.9120)												
	7.4586 - SWITCH, OIL PRESSURE												
5100722	= SWITCH (10# BREAK)		1		1	1	1	1	1	1	1		1
1507289	SWITCH (10# BREAK)		1		1	1							1
444052	ELBOW, 1/8" STREET 45 DEG. (12.9550)						1						
144050	BUSHING, 1/2" X 1/8" RED. (12.9570)						1						
9409943	TEE, 1/8" PIPE		1			1							
5145009	PLUG, 1/8" PIPE (12.9550)		1										
5104778	TEE, 1/4"X1/4"X5/8" (7.4694)					1							
120217	LOCKWASHER #10 CAD. (12.9200)												
120614	NUT, #10-32 CAD. (12.9120)												
	= OPTIONAL TO 1507289												
	7.4598 - SWITCH, ALARM SHUT-OFF (FUEL)												
5100679	= SWITCH (20# MAKE)		1		1	1		1	1		1		1
1507290	SWITCH (20# MAKE)		1		1	1							
5100721	SWITCH (30# MAKE)						1						
112877	BUSHING, 1/4"X1/8" RED. (12.9570)		1		1	1	1	1					1
120401	ELBOW, 1/8" STREET 90 DEG. (12.9550)		1		1			1					
120217	LOCKWASHER, #10 (12.9200)				2								
120614	NUT, #10-32 (12.9120)				2								
	= OPTIONAL TO 1507290												
	7.4686 - TUBE ASSY., ADAPTOR TO OUTLET ELBOW												
8921276	TUBE ASSY.											1	
442323	CONNECTOR, 3/8" INV FLRD. TUBE 1/4"-18 (12.9460)											1	
9432249	ELBOW, 3/8" INV. FLRD. TUBE, 90 DEG. (12.9480)											1	
	7.4687 - TUBE ASSY., ADAPTOR TO WATER PUMP												
8921277	TUBE ASSY.											1	
193004	ELBOW, 3/8" INV. FLRD. TUBE 1/4"-18, 90 DEG. (12.9480)											2	
189060	BUSHING, 3/4" X 1/4" RED. PIPE (12.9570)											1	
5142549	PLUG, 3/4"-14 PIPE (12.9550)											1	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9184	9334	9466	9557	9588	9770	9973	9998	10012	10116	10188	10221
		7.4707 - RELAY, TIME DELAY												
	5146219	* RELAY ASSY.		1		1	1	1	1	1		1		
	132788	SCREW, #8-32 X 1 3/4" FIL. HD. (12.9010)		2		2	2	2	2	2		2		
	446143	WASHER, #8 (12.9190)		2		2	2	2	2	2		2		
	121841	LOCKWASHER, #8 (12.9200)		2		2	2	2	2	2		2		
		* NOT SERVICED, FOR SERVICE USE 8921717 KIT.												
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING												
	5147454	BRACKET		1		1	1	1	1	1		1		
	186629	BOLT, 5/16"-18X1" (12.9001)		2		2	2		2					
	186315	BOLT, 3/8"-24 X 4 1/2" (12.9001)						2						
	5118956	SPACER, 13/32" I.D. X 3/4" O.D. X 1.12"						2						
	444148	TEE, 1/4"-18 PIPE (12.9616)						1						
	5159714	WASHER, 11/16" (2.7290)		2		2	2		2					
	103320	LOCKWASHER, 5/16" (12.9200)		2		2	2		2					

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1034	1035
		7.4505 - SWITCH, WATER TEMPERATURE				
	5146080	SWITCH	1	1		
	5104917	SWITCH			1	1
	179835	BOLT, 3/8"-16X5/8" (12.9001)		1		
	5171509	CLIP, 5/8" (9.1591)		3		
	121841	LOCKWASHER, #8		2		
	103321	LOCKWASHER, 3/8" (12.9200)		1		
	120622	NUT, #8-32 CAD. (12.9120)		2		
		7.4519 - SOLENOID, AIR SHUTOFF				
		SERVICE ON ELECTRICAL EQUIPMENT (*) IN THIS SECTION IS HANDLED THROUGH AC DELCO.				
	1118191	* SOLENOID (24V.-32V.)	1	1		
	1118128	* SOLENOID (12V.)			1	1
	186676	BOLT, 1/4"-20X5/8" (12.9001)	4		4	
	179795	BOLT, 1/4"-20X5/8" (12.9001)		4		
	443603	BOLT, 1/4"-20X3/4" (12.9001)				4
	120392	WASHER, 1/4" (12.9190)		4		4
	103319	LOCKWASHER, 1/4" (12.9200)	4	4	4	4
	120375	NUT, 1/4"-20 (12.9120)	4	4	4	4
		* NOT SERVICED BY DDA.				
		7.4530 - BRACKET, AIR SHUTOFF SOLENOID				
	5125839	BRACKET	1			
	5140279	BRACKET		1	1	
	5130142	BRACKET				1
	5173085	SPACER, 7/16"X5/8"X7/8"				3
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)				3
	179846	BOLT, 3/8"-16X1 7/8" (12.9001)	2	2	2	
	103320	LOCKWASHER, 5/16" (12.9200)				3
		7.4538 - ROD, AIR SHUTOFF SOLENOID CONTROL				
	5142895	LINK	1			
	5124918	LINK		1	1	
	5178860	LINK				1
	5124916	SPACER, 9/32"X7/16"X.30"	1	1	1	
	5115204	BOLT, 1/4"-28X1 1/4" (RELEASE LATCH)	1	1	1	
	112526	PIN, 1/16"X3/8" COTTER (12.9250)	1	1	1	
	5176810	PIN, 1/4"X1 1/4" CLEVIS (2.9410)				1
	103361	PIN, 1/16"X1/2" COTTER (12.9250)				1
	120392	WASHER, 1/4" (12.9190)				2
	120380	LOCKWASHER, 1/4" (12.9200)	1	1	1	
	114492	LOCKNUT, 1/4"-28 (12.9120)	3	3	3	2
		7.4545 - HARNESS, AIR SHUT-OFF WIRING				
	5108521	HARNESS ASSY.			1	
	5182572	WIRE ASSY.			1	
	5182537	WIRE ASSY.			1	
	5128742	WIRE ASSY. (7.1630)			1	
	3223197	CLIP (7.4580)			2	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1034	1035
		7.4586 - SWITCH, OIL PRESSURE				
	5100722	= SWITCH (10# BREAK)	1	1	1	1
	120617	LOCKWASHER, #10 CAD. (12.9200)		2		
	9409943	TEE, 1/8" PIPE		1	1	
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9550)				1
	144050	BUSHING, 1/2"X1/8" RED. (12.9570)				1
	120614	NUT, #10-32 CAD. (12.9120)		2		
		= OPTIONAL TO 1507289.				
		7.4598 - SWITCH, ALARM SHUTOFF (FUEL)				
	5100679	= SWITCH (20# MAKE)	1		1	
	5100721	SWITCH (30# MAKE)				1
	444148	TEE, 1/4"-18 PIPE (12.9616)				1
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)			1	1
		= OPTIONAL TO 1507290.				

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1022	1023	1034	1035
		7.4707 - RELAY, TIME DELAY				
	5146219	% RELAY ASSY. (7.2330)	1		1	1
	132788	SCREW, #8-32X1 3/4" (12.9001)	2		2	2
	446143	WASHER, #8 (12.9190)	2		2	2
	121841	LOCKWASHER, #8 (12.9200)	2		2	2
		% NOT SERVICED; FOR SERVICE USE 8921717 KIT.				
		7.4711 - PLATE, TIME DELAY RELAY MOUNTING				
	5147454	BRACKET	1		1	1
	186629	BOLT, 5/16"-18X1" (12.9001)			2	
	186315	BOLT, 3/8"-24X4 1/2" (12.9001)				2
	5118956	SPACER, 13/32" I.D.X3/4" O.D. X1.12"				2
	5159714	WASHER, 11/16" (2.7290)			2	
	103320	LOCKWASHER, 5/16" (12.9200)			2	

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.4611 - GOVERNOR, OVERSPEED TRIP														
6B	**5186484**	GOVERNOR ASSY. (HYDRAULIC)	1													
6C	**5131862**	GOVERNOR ASSY. (ELECTRIC)		1												
6C	**5131864**	GOVERNOR ASSY. (ELECTRIC)			1											
	5131866	GOVERNOR ASSY. (ELECTRIC)				1										
	5131863	GOVERNOR ASSY. (ELECTRIC)					1									
	5131861	GOVERNOR ASSY. (ELECTRIC)						1								
	5134505	GOVERNOR ASSY. (HYDRAULIC)							1							
	5134506	GOVERNOR ASSY. (HYDRAULIC)								1						
6C	**5138198**	+ GOVERNOR ASSY. (ELECTRIC)									1					
	3292047	+ PLATE, NAME	1						1	1						
	190073	SCREW, #2X3/16" DRIVE (12.9067)	2						2	2						
		+ OBSOLETE.														
		7.4614 - HOUSING ASSY., OVERSPEED TRIP GOVERNOR														
6B	**5193654**	@ HOUSING	1													
6C	**5195867**	HOUSING		1	1		1	1								
	5198211	HOUSING							1	1						
6C	**5198507**	% HOUSING									1					
		@ NOT SERVICED, REPLACE WITH 5198211 HOUSING AND INCLUDE 1-5198210 COVER AND 3-455580 BOLTS.														
		% OBSOLETE.														
		7.4615 - BUSHING, OVERSPEED TRIP GOVERNOR HOUSING														
6C	**5195820**	SEAL, OIL (7.4623)		1	1		1	1			1					
		7.4617 - BALLHEAD (HYDRAULIC) OVERSPEED TRIP GOVERNOR														
6B	**5193657**	BALLHEAD	1						1	1						
	5193659	PIN	2						2	2						
	5193660	RING, RETAINING	1						1	1						
		7.4620 - PLUNGER, OVERSPEED TRIP GOVERNOR PILOT VALVE														
6B	**5193656**	PLUNGER	1						1	1						
		7.4623 - WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR														
6C	**5198462**	+ SHAFT AND WEIGHT ASSY. (INCLUDES BEARING RETAINING RING IN 7.4623)									1					
6C	**5197897**	SHAFT AND WEIGHT ASSY. (INCLUDES		1	1		1	1								

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7.4000C SHUT-OFF OR ALARM SYSTEM

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.4623 - WEIGHT AND CARRIER ASSY., OVERSPEED TRIP GOVERNOR (CONT'D)														
		BEARING RETAINING RING IN 7.4623)														
6C	**5195847**	SHAFT AND WEIGHT ASSY. (INCLUDES BEARING RETAINING RING IN 7.4623)				1										
6C	**5195848**	RING, BEARING RETAINING (7.4650)		1	1	1	1	1			1					
		+ OBSOLETE.														
		7.4625 - WEIGHT, OVERSPEED TRIP GOVERNOR														
6B	**5198214**	WEIGHT	2						2	2						
		7.4630 - COVER, OVERSPEED TRIP GOVERNOR HOUSING														
6B	**5193664**	* COVER	1													
	5198210	COVER							1	1						
6B	**5198213**	SCREW, SPRING TENSION ADJUSTING	1						1	1						
6B	**187828**	BOLT, #10-32 X 1/2" (12.9027)	3						3	3						
	120217	LOCKWASHER, #10 (12.9200)	3						3	3						
6B	**120375**	NUT, 1/4"-20 (12.9120)	1						1	1						
		* NOT SERVICED, REPLACE WITH 5198210 COVER, INCLUDE 1-5198211 HOUSING AND 3-455580 BOLTS.														
		7.4636 - SEAL, OVERSPEED TRIP GOVERNOR HOUSING COVER OIL														
	5193665	GASKET	1						1	1						
	5149210	RING, SEAL	1						1	1						
		7.4644 - SEAL, OVERSPEED TRIP GOVERNOR MOUNTING OIL														
6C	**5195822**	RING, SEAL (BETWEEN BODY AND COVER)		1	1	1	1	1			1					
		7.4646 - SHAFT, OVERSPEED TRIP GOVERNOR *OPERATING*														
6C	**5195723**	SHAFT ASSY., FLEXIBLE (INCLUDES RETAINER IN 7.4646)		1	1	1	1	1								
6C	**5198463**	@ SHAFT ASSY., SOLID (INCLUDES RETAINER IN 7.4646)									1					
6C	**5195675**	RETAINER		1	1	1	1	1			1					
6B	**5193655**	CABLE ASSY.	1						1	1						
		@ OBSOLETE.														

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7.4000C SHUT-OFF OR ALARM SYSTEM

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.4647 - BEARING, OVERSPEED TRIP GOVERNOR OPERATING SHAFT														
6B	**5149396**	BEARING, THRUST	1						1	1						
		7.4651 - SPRING, OVERSPEED TRIP GOVERNOR														
6C	**5198434**	% SPRING (FLYWEIGHT) (6850-800 RPM)									2					
6B	**5193662**	SPRING (SPEEDER)	1						1							
6C	**5195824**	SPRING (FLYWEIGHT) (2500 RPM)		2												
6C	**5195826**	SPRING (FLYWEIGHT) (4000 RPM)			2											
	5195851	SPRING (FLYWEIGHT)				2										
	5197899	SPRING, HIGH SPEED ADJUSTING (SWITCH #1)				1										
	5195868	SPRING, HIGH SPEED ADJUSTING (SWITCH #2)				1										
	5195825	SPRING (FLYWEIGHT) (2750-3750 RPM)					2									
	5195884	SPRING (FLYWEIGHT) (2000 RPM)						2								
	5194640	SPRING (SPEEDER)								1						
	5195836	PIN, ADJUSTING SPRING				2										
		7.4653 - CAP, OVERSPEED TRIP GOVERNOR SPRING														
	5195858	CAP				2										
	5195861	SCREW (#6-40X1/2" SET)				2										
	5195859	NUT (#6-40, LOCK)				2										
		% OBSOLETE.														
		7.4659 - SWITCH, OVERSPEED TRIP GOVERNOR														
6C	**5197894**	SWITCH		1	1		1	1			1					
	5197424	SWITCH				2										
	5197431	SPACER (BETWEEN SWITCHES)				2										
6C	**5197892**	BRACKET, MOUNTING (ROUND TERMINAL HOLE)		1	1		1	1			1					
6C	**5197893**	BRACKET, MOUNTING (OVAL TERMINAL HOLE)		1	1		1	1			1					
	5195835	LIFTER (SWITCH #1)				1										
	5195832	LIFTER (SWITCH #2)				1										
6C	**5195838**	INSULATOR, CAP (2 1/2" DIA., 3 HOLES)		1	1		1	1			1					
6C	**5197895**	LUG, SWITCH JUMPER		1	1	2	1	1			1					
6C	**5197896**	WIRE ASSY., SWITCH TO TERMINAL		3	3		3	3			3					
	5197429	WIRE ASSY.				5										
6C	**5195842**	BUSHING, TERMINAL (INSULATING)		11	11	5	5	5			5					
	5197430	SCREW, #3-48 X 1/2"				2										
6C	**421566**	SCREW, #3-48X3/4" RD. HD. SLTD. (12.9025)		2	2						2					
6C	**9407493**	SCREW, #4-40X1/8" RD. HD. SLTD.		4	4	8										

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7.4000C SHUT-OFF OR ALARM SYSTEM

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		7.4659 - SWITCH, OVERSPEED TRIP GOVERNOR (CONT'D)														
6C	**9407494**	SCREW, #4-40X3/16" (12.9025)									4					
	132740	* SCREW, #8-32X1/8" RD. HD. SLTD. (12.9025)				2										
6C	**132768**	SCREW, #8-32 X 3/4"		3	3						3					
6C	**5195841**	WASHER, (#8 INSULATING)		3	3		3				3					
6C	**446143**	WASHER, #8 (12.9190)		7	7	3					7					
6C	**5195834**	LOCKWASHER (#3)		2	2		2	2			2					
	9420810	LOCKWASHER, #3 EXT. TOOTH (12.9210)				4										
6C	**138522**	LOCKWASHER, #4 INT. TOOTH (12.9220)		4	4	8	7	7			7					
6C	**121752**	LOCKWASHER, #8 EXT. TOOTH (12.9210)		3	3	5					3					
6C	**9419442**	NUT, #3-48 STOP		2	2											
	5197432	NUT (#3-48)				2	2	2			2					
	271482	NUT, #6-32 (12.9120)				2										
6C	**271163**	NUT, #8-32 (INCLUDES EXT. TOOTH LOCKWASHER)		3	3	5	3	3			3					
6C	**120622**	NUT, #8-32 (12.9120)		3	3	5					3					
		7.4677 - HOUSING, OVERSPEED TRIP GOVERNOR SWITCH														
	5197901	COVER (DOUBLE SWITCH)				1										
	132768	SCREW, #8-32X3/4" RD. HD. SL. (12.9025)				5										
	133527	SCREW, #8-32X2" RD. HD. SL. (12.9025)				2										
	5195841	WASHER (#8 INSULATING) (7.4650)				5		3								
	446143	WASHER, #8 (12.9190)				10										
	5195864	WASHER, INSULATING (TOP OF GOVERNOR)				1										
		* OBSOLETE.														
		7.4681 - *CAP, OVERSPEED TRIP GOVERNOR SWITCH HOUSING*														
6C	**5197891**	CAP (SINGLE SWITCH)		1	1		1	1			1					
	5197900	CAP ASSY. (DOUBLE SWITCH)				1										
	5195854	SPRING AND BRACKET ASSY.				2										
	5195853	LEVER, CHANNEL				1										
6C	**5195846**	STUD, ADJUSTING		2	2		2	2			2					
	112871	SCREW, #6-32X5/16" RD. HD. SL. (12.9025)				2										
6C	**5198485**	SCREW AND WASHER ASSY.		1	1	3					1					
6C	**446143**	WASHER, #8 (12.9190)		1	1											

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7.5000A POWER GENERATOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 112	120	125	128	129	130	135	143	197	198
	7.5001	**- GENERATOR ASSY., POWER**										
		POWER GENERATORS AND COMPONENTS ARE NOT SOLD BY DETROIT DIESEL ALLISON; PROCURE FROM MANUFACTURERS AS SHOWN IN FOOTNOTE.										
	I-4995	= GENERATOR, 12.5 KW., 60 CYCLE, 3 PHASE, 220V., 1200 ROM, SAE #3	1									
	5127505	? GENERATOR, 20 KW., 60 CYCLE, 3 PHASE, 220V., 1800 RPM, SAE #3		1								
	I-4996M2	= GENERATOR, 12.5/8 KW., 60 CYCLE, 3 PHASE, 230/150V., 1200-1800 RPM,SAE #3			1							
	I-4979	= GENERATOR, 50/55 KW., 60 CYCLE, 208/440V., 3 PHASE, 1800 RPM, SAE #2				1						
	I-5270	* GENERATOR, 21.5/23.5 KW., 60 CYCLE, 3 PHASE, 208/480V., 1800 RPM, SAE #3 (WAS I-4983) (TYPE 197)					1					
	I-4985	= GENERATOR, 13.5/15 KW., 60 CYCLE, 3 PHASE, 208/480V., 1200 RPM						1				
	I-5286	* GENERATOR, 18/20 KW., 50 CYCLE, 3 PHASE, 190/440V., 1500 RPM (WASI-4984) (TYPE 198)							1			
	I-4590A1	= GENERATOR ASSY., 20/22 KW., 120V. DC., 1800 RPM								1		
	2E5270H1	= GENERATOR ASSY. (21.5/32.5 KW., 60 CYCLE, 3 PHASE, 208/480V., 1800RPM, BRUSHLESS W/REG.)									1	
	2E5286H1	= GENERATOR ASSY. (18/20 KW., 50 CYCLE, 3 PHASE, 190/440V., 1500RPM, BRUSHLESS W/REG.)										1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	12	12	12	12	12					
	180179	BOLT, 1/2"-13X1 3/4" (12.9001)	4	4	4	4	4					
	271632	BOLT, 3/4"-16X1 3/4" (12.9001)				2	2	2	2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	12	12	12					
	120384	LOCKWASHER, 1/2" (12.9200)	4	4	4	4	4					
	103326	LOCKWASHER, 3/4" (12.9200)				2	2	2	2	2	2	2
	218197	NUT, 3/4"-16 (12.9120)				2	2	2	2	2	2	2

= PROCURE FROM AC DELCO PRODUCTS ELECTRIC MOTOR REPAIR STATIONS.

? PROCURE FROM ELECTRIC MACHINE CO., MINNEAPOLIS, MINNESOTA. REFER TO THEIR ASSEMBLY NUMBER B-24575.

* NOT SERVICED; USE TYPE SHOWN IN PARENTHESES. CONTACT AC DELCO PRODUCTS FOR WIRING INFORMATION.

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7.6000A CONTROL CABINET

PART NUMBER	NAME AND DESCRIPTION	TYPES 157	158	159	160	177	191	202	214	217
7.6001 - CABINET, POWER GENERATOR CONTROL										
	GENERATOR CONTROL CABINETS ARE NOT SERVICED BY DETROIT DIESEL ALLISON DIVISION. ASSEMBLY AND COMPONENT PARTS OF THE ASSEMBLIES ARE SERVICED BY LAKESHORE ELECTRIC MFG. CORP., 205 WILLIS STREET, BEDFORD, OHIO.									
5127520	CABINET ASSY. (50/55KW., 208/240V., 3 PHASE, 60 CYCLE)	1								
5127528	CABINET ASSY. (21.5/23.5KW., 208/240V., 3 PHASE, 60 CYCLE)		1							
5127533	CABINET ASSY. (13.5/15KW., 208/480V., 3 PHASE, 60 CYCLE)			1						
5127532	CABINET ASSY. (13.5/15KW., 208/240V., 3 PHASE, 60 CYCLE)				1					
5127529	CABINET ASSY. (21.5/23.5KW., 416/480V., 3 PHASE, 60 CYCLE) (40.8AMP @ 1800 RPM)					1				
5127530	CABINET ASSY. (18/20KW., 190/220V., 3 PHASE, 50 CYCLE) (76 AMP @ 1500RPM)						1			
5127531	CABINET ASSY. (18/20KW., 380/440V., 3 PHASE, 50 CYCLE) (38 AMP @ 1500RPM)							1		
5127342	CABINET ASSY. (21.5/23.5KW., 208/240V., 3 PHASE, 60 CYCLE) (1.5AMP @ 1800 RPM)								1	
5127335	CABINET ASSY. (18/20KW., 190/220V., 3 PHASE, 50 CYCLE) (76 AMP @ 1500RPM)									1
7.6005 - INSULATOR, POWER GENERATOR *CONTROL CABINET*										
5127539	SUPPORT (CONTROL CABINET)	1								
5127920	SUPPORT (CONTROL CABINET)		1			1	1	1		
5128613	SUPPORT (CONTROL CABINET)			1	1					
5136195	SUPPORT (CONTROL CABINET)								1	1
5136169	+ SUPPORT (CONTROL CABINET)								1	1
5127537	BRACKET (SUPPORT)	1	1	1	1	1	1	1		
180016	BOLT, 1/4"-20X1/2" (12.9001)								4	4
179803	BOLT, 1/4"-20X1 3/4" (12.9001)								2	2
5103534	BOLT, 5/16"-24 X 1/2" (1.7227)	4	4	4	4	4	4	4		
120228	BOLT, 5/16"-18X5/8" (12.9001)	2	2	2	2	2	2	2	2	2
181596	BOLT, 5/16"-24X7/8" (12.9001)	2	2	2	2	2	2	2	2	2
120393	WASHER, 5/16" (12.9190)	6	6	6	6	6	6	6	4	4
103319	LOCKWASHER, 1/4" (12.9200)								2	2
103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR
114493	LOCKNUT, 5/16"-24 (2.7170)	6	6	6	6	6	6	6	2	2

+ OBSOLETE.

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 279	280	282	287	288	289	290	291	302	303	304	305
		7.7001 - HARNESS, ENGINE WIRING												
	5125098	HARNESS (GENERATOR TO VOLTAGE REGULATOR) (7.1630)	1	1	1			1	1	1				
	5125101	HARNESS	1											
	5125102	HARNESS		1										
	5125105	+ HARNESS			1									
	5120491	HARNESS				1								
	5125325	+ HARNESS					1							
	5125100	HARNESS						1						
	5125103	HARNESS							1					
	5125104	HARNESS								1				
	5128200	HARNESS (POSITIVE - GROUND)									1			
	5128198	HARNESS (POSITIVE - GROUND)										1		
	5128236	+ HARNESS											1	
	5126038	WIRE (REGULATOR TO REGULATOR MOUNTING BRACKET, GROUND) (4"L., RED) (7.1630)	1	1	1			1	1	1	1	1	1	
	5125099	+ WIRE (GENERATOR TO VOLTAGE REGULATOR) (7.5"L., RED.)	1	1	1			1	1	1	1	1	1	
		+ OBSOLETE.												
		7.7010 - CLIP, WIRE HARNESS												
	3223197	CLIP (7.4580)	AR	2	2	AR	AR	AR	AR	AR	AR	2	AR	
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1	1	1			1	1	1				
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1			1	1	1				
		7.7110 - STRAP, ENGINE TO BASE GROUND												
	5156268	STRAP, GROUND (9 1/4"L.) (7.2040)												1
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)												1
	181435	BOLT, 1/2"-20X2" (12.9001)												1
	120392	WASHER, 1/4" (12.9190)												1
	174916	LOCKWASHER, 1/4" INT.-EXT. TOOTH (12.9215)												1
	178591	LOCKWASHER, 1/2" INT.-EXT. TOOTH (12.9215)												2
	120376	NUT, 1/4"-20 (12.9120)												1
		7.7220 - CABLE, GENERATOR TO CONTROL CABINET												
	5111045	CABLE ASSY., POWER (INCLUDES PLUG AND CLAMP)												1
	5111074	PLUG												1
	5111075	CLAMP												1

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7.7000A WIRING HARNESS

PART NUMBER	NAME AND DESCRIPTION	TYPES 279	280	282	287	288	289	290	291	302	303	304	305
7.7220	**- CABLE, GENERATOR TO CONTROL CABINET (CONT'D)**												
5166937	LOCKNUT, 1/2" CABLE TO GENERATOR (11.1001)												1
186676	BOLT, 1/4"-20X5/8" (12.9001)												3
120392	WASHER, 1/4" (12.9190)												3
120380	LOCKWASHER, 1/4" (12.9200)												3
120376	NUT, 1/4"-20 (12.9120)												3

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	312	313	319	320	335	340	351	355	360	372
		7.7001 - HARNESS, ENGINE WIRING											
	5125325	+ HARNESS			1								
	5125103	HARNESS									1		
	5128237	+ HARNESS	1										
	5121153	+ HARNESS (HOURMETER)			1								
	5130815	HARNESS (STARTING MOTOR)						1					
	5130816	+ HARNESS (GENERATOR)						1					
	5128199	+ HARNESS (NEGATIVE - GROUND)							1				
	5132607	HARNESS								1			
	5132608	HARNESS								1			
	5133499	+ HARNESS (REGULATOR TO STARTER SOLENOID)									1		
	5133498	+ HARNESS (7.7240)									1		
	5133382	+ HARNESS										1	
	5136668	+ HARNESS (CONTROL CABLE WIRING) (7.7060)											1
	5126038	WIRE (REGULATOR TO REGULATOR MOUNTING BRACKET, GROUND) (4"L.,RED) (7.1630)						1				1	
	5128742	WIRE (GENERATOR TO VOLTAGE REGULATOR MOUNTING BRACKET, GROUND) (4"L., BLACK) (7.1630)	1						1				
	5128741	+ WIRE (GENERATOR TO VOLTAGE REGULATOR) (7.5"L., BLACK) (7.1630)	1						1				
	5122184	+ WIRE ASSY., HEATER								1			
	3291992	CONNECTOR, 1/2" ELECTRIC			1								
		+ OBSOLETE.											
		7.7010 - CLIP, WIRE HARNESS											
	3223197	CLIP (7.4580)	AR		AR			2	2	2	AR	AR	
	179835	BOLT, 3/8"-16X5/8" (12.9001)						1		1	1		
	103321	LOCKWASHER, 3/8" (12.9200)						1		1	1		
		7.7110 - STRAP, ENGINE TO BASE GROUND											
	5156268	STRAP, GROUND (9 1/4"L.) (7.2040)		1									
	5185559	STRAP, GROUND (AT INSTRUMENT PANEL)								1			
	180034	BOLT, 1/4"-20X1 1/2" (12.9001)		1									
	181435	BOLT, 1/2"-20X2" (12.9001)		1									
	120392	WASHER, 1/4" (12.9190)		1									
	174916	LOCKWASHER, 1/4" INT.-EXT. TOOTH (12.9215)		1									
	178591	LOCKWASHER, 1/2" INT.-EXT. TOOTH (12.9215)		2									
	120376	NUT, 1/4"-20 (12.9120)		1									

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7.7000A WIRING HARNESS

PART NUMBER	NAME AND DESCRIPTION	TYPES 306	312	313	319	320	335	340	351	355	360	372
	7.7220 - CABLE, GENERATOR TO CONTROL CABINET											
5126042	CABLE ASSY., POWER GENERATOR (50"L)		3									
5127642	+ CABLE ASSY., POWER GENERATOR (#8X32"L.)				3							
5127643	+ CABLE ASSY., POWER GENERATOR (#12X44"L.)					3						
5136704	+ CABLE ASSY.									1		
5118028	LOCKNUT, 3/4"									2		
5126043	+ CONDUIT, 3/4"X36" FLEX.		1									
5186105	RECEPTACLE ASSY. (60 AMP.)		1									
5126040	BASE, RECEPTACLE		1									
5186511	CONNECTOR, 3/4" STRAIGHT		1									
5186512	CONNECTOR, 3/4", 90 DEG.		1									
5280750	TERMINAL		3									
5182003	SLEEVE, INSULATING (#1)		3									
5182004	SLEEVE, INSULATING (#2)		3									
5182005	SLEEVE, INSULATING (#3)		3									
186676	BOLT, 1/4"-20X5/8" (12.9001)		3									
120392	WASHER, 1/4" (12.9190)		3									
120380	LOCKWASHER, 1/4" (12.9200)		3									
120376	NUT, 1/4"-20 (12.9120)		3									

+ OBSOLETE.

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7.7000A WIRING HARNESS

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3737	4415	4117	4422	4435
		7.7001 - HARNESS, ENGINE WIRING					
	5136669	+ HARNESS (7.7060)	1				
	5143565	+ HARNESS		1			
	5143734	HARNESS (NEGATIVE RETURN)			1		
	5132607	HARNESS (REGULATOR)			1		
	5144034	+ HARNESS (INSTRUMENT PANEL TO ALTERNATOR AND STARTER) (7.7065)				1	
	5145588	= HARNESS					1
	5128742	WIRE, 4" L., BLACK (GENERATOR TO VOLTAGE REGULATOR MOUNTING BRACKET)			1		
		+ OBSOLETE.					
		= NOT SERVICED; CUSTOMER TO FABRICATE.					
		7.7010 - CLIP, WIRE HARNESS					
	3223197	CLIP (7.4545)		3	1		
	5114904	CLIP, 7/8" (4.8040)				3	
	3223197	CLIP, 7/8" (7.4545)					4
	5114551	TAG, CABLE (7.4545)				2	
	179835	BOLT, 3/8"-16X5/8" (12.9001)			1		
	179835	BOLT, 3/8"-16X5/8" (12.9001)					2
	179837	BOLT, 3/8"-16X3/4" (12.9001)				1	
	179851	BOLT, 3/8"-16X3" (12.9001)		1			
	103321	LOCKWASHER, 3/8" (12.9200)		1	AR	AR	AR
		7.7220 - CABLE, GENERATOR TO CONTROL CABINET					
	5136704	+ CABLE ASSY.	1				
	5118028	LOCKNUT, 3/4"	1				
		+ OBSOLETE.					

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	164	165	168	172	178	179	182	183	185	188	192
		7.8001 - HEATER ASSY., AIR													
		SEE ASSEMBLY BREAKDOWN PAGE A1.													
	5109495	HEATER ASSY.	1	1	1	1				1					
	5146015	HEATER ASSY.					1								
	5144367	HEATER ASSY.						1	1		1	1	1	1	1
	114671	SCREW, 3/8"-16X7/8" (12.9030)					2								
	180078	BOLT, 5/16"-18 X 7/8" (12.9001)	3	3	3	3		2	2	3	2	2	2	2	2
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2							
	122022	BOLT, 5/16"-18X1 1/8" (12.9001)							1		1	1	1	1	1
	446202	WASHER, 5/16" COPPER (12.9190)	3	3	3	3				3					
	5155596	WASHER, 5/16" (4.7120)						3	3		3	3	3	3	3
	103321	LOCKWASHER, 5/16" (12.9200)					2								
		7.8004 - KIT, AIR HEATER CONVERSION													
		A CONVERSION KIT CONSISTS OF ITEMS NEEDED TO CONVERT A RESERVOIR TYPE COLD START SYSTEM TO AN AIR ASPIRATED SYSTEM.													
	5199758	KIT, CONVERSION	AR	AR	AR	AR				AR					
		7.8020 - GASKET, AIR HEATER													
	5109496	GASKET	1	1	1	1		1	1	1	1	1	1	1	1
	5106629	GASKET (1.1050)					1								
	5109517	SEAL RING, 1 3/4" DIA. (7.8040)	1	1	1	1		1	1	1	1	1	1	1	1
		7.8060 - FILTER, AIR HEATER													
	6438114	RESERVOIR ASSY., FUEL (LESS ELEMENT)					1								
	5139847	@ BRACKET (RESERVOIR AND VALVE)					1								
	181596	# BOLT, 5/16"-24X7/8" (12.9001)					2								
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)					4								
	120393	# WASHER, 5/16" (12.9190)					4								
	103341	WASHER, 3/8" (12.9190)					4								
	103320	LOCKWASHER, 5/16" (12.9200)					2								
	103321	LOCKWASHER, 3/8" (12.9200)					4								
		# PRIOR TO 8D-3319, TYPE 172 NOT SERVICED; USE 5145768 @ QUANTITY OF TWO (2).													
		@ NOT SERVICED. USE 8922268 AND SD-296.													
		7.8080 - COIL ASSY., AIR HEATER													
	5100032	# COIL	1	1	1	1		1							
	5145768	COIL					1		1		1		1	1	1
	5188036	# CLAMP, COIL 3" DIA. (12.9660)					2	1							
	9139813	# CLAMP, COIL 3 1/2" DIA. (3.5400)						1							
	5120645	CLAMP, COIL 4 3/4" DIA. (12.9660)				2									
	5136037	# HOSE, 2 1/2"X1" (SPLIT) (4.4213)						2					4		
	5136691	HOSE, 2 5/8"X4.375" (SPLIT) (7.8417)			2	2									
		# PRIOR TO 8D-3319, TYPE 172 NOT SERVICED; USE 5145768 @ QUANTITY OF TWO (2).													

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	164	165	168	172	178	179	182	183	185	188	192
		7.8090 - BRACKET, AIR HEATER COIL													
	5136218	BRACKET (COIL AND ACCUMULATOR)	1	1	1	1									
	5134176	BRACKET					1								
	5145427	BRACKET (PUMP) (LOWER) (7.8002)							1		1			1	1
	5145428	BRACKET (PUMP) (UPPER) (7.8002)							1		1			1	1
	5136207	SUPPORT, BRACKET	1	1	1	1			1		1				1
	186624	# BOLT, 5/16"-18X1 1/4" (12.9001)					2								
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)					2								
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							2					2	2
	186627	BOLT, 3/8"-24X1" (12.9001)	1	1	1	2									
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2	2	2	2			2		2			2	2
	5148932	BOLT, 7/16"-14X3 3/4"L. (NYLOC)							1		1			2	1
	103341	WASHER, 3/8" (12.9190)	1	1	1	2			2					2	2
	103342	WASHER, 7/16" (12.9190)	2	2	2	2			2		3			4	2
	106263	WASHER, 7/16" (12.9190)							1						AR
	103320	LOCKWASHER, 5/16" (12.9200)					4								
	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1	2			2					2	2
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2			2		3			4	2
	117049	NUT, 3/8"-24 (12.9120)	1	1	2	2									
	102635	NUT, 3/8"-16 (12.9120)							2		2			2	2
		# PRIOR TO 8D-3319, TYPE 172 NOT SERVICED; USE 5145768 @ QUANTITY OF TWO (2).													
		7.8095 - HARNESS, AIR HEATER WIRING													
	5132521	HARNESS	1	1	1	1									
	5142772	HARNESS					1								
	5143170	+ HARNESS						1							
	5145566	HARNESS							1		1		1	1	1
	436641	SCREW, #4-40X7/16" (12.9010)	4	4											
	131043	LOCKWASHER, #4 (12.9200)	4	4	4	4									
	134524	NUT, #4-40 (12.9120)	4	4	4	4									
		+ OBSOLETE.													
		7.8110 - LEAD, AIR HEATER COIL HIGH TENSION													
		A WIRE ASSY. INCLUDES ITEMS IN 7.8110.													
	5134298	WIRE ASSY.	1	1	1	1									
	5141914	WIRE ASSY.					1								
	5147163	WIRE ASSY., 14" L.						1							
	5142328	WIRE ASSY.						1					1		
	5142056	WIRE ASSY.							1		1			1	1
	5143761	# CLIP (TERMINAL)	1	1	1	1	1	1	1						1
	140582	CLIP, 1/2" TUBE (12.9630)			1										
	5134840	CLIP, 5/16"X3/4" BOLT (2.5220)						2							
	5145429	CLIP, 7/8"X3/8" BOLT (7.8320)							1		1		1	1	1
	5101020	STRAP, HOSE (2.5255)											3		
	5142470	TUBING, POLY SPIRAL (7.7020)							2		2			2	2
	5197283	# GLAND	1	1	1	1	1	1							1
	5612628	TERMINAL & BOOT KIT (INCLUDES HIGH TENSION SPRING, NOT SERVICED SEPARATELY) (7.8130)	1	1	1	1									
	5197282	# COLLAR	1	1	1	1	1	1	1						1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									2				
	103341	WASHER, 3/8" (12.9190)									2				
	5197281	# NUT, 3/4"-18	1	1	1	1	1	1	1						1
		# PRIOR TO 8D-3319, TYPE 172.													

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	164	165	168	172	178	179	182	183	185	188	192
		7.8200 - PUMP ASSY., AIR HEATER													
	5110760	# PUMP ASSY.	1	1	1	1									
	5107619	+ PUMP ASSY., ELECTRIC (12 VOLT)					1		1		1		1	1	1
	8921167	= VANE, AIR PUMP (CARBON)					3	3	3		3				3
	5137624	HOSE, 2 1/2"X1" SPLIT											2		
	181333	BOLT, 5/16"-24X5/8" (12.9001)					2								
	186654	# BOLT, 5/16"-24X1 1/8" (12.9001)						2							
	120393	# WASHER, 5/16" (12.9190)					4	4							
	103320	# LOCKWASHER, 5/16" (12.9200)					2	2							
	114493	# LOCKNUT, 5/16"-24 (2.7170)					2	2							
		# PRIOR TO 8D-3319, TYPE 172.													
		= PART OF 5107619 ASSEMBLY.													
		+ NOT SERVICED. USE 5142748.													
		7.8203 - BRACKET, AIR HEATER PUMP AND VALVE													
	5132520	BRACKET (PUMP)	1		1										
	5132519	BRACKET (VALVE)	1	1	1	1			1		1		1	1	1
	5132523	BRACKET (PUMP)		1		1									
	5145222	BRACKET (PUMP)					1								
	5143189	# BRACKET (PUMP)						1							
	5145223	CUSHION, MOUNTING					1		2		2		1	2	2
	5188036	CLAMP, 3" HOSE (12.9660)					2								
	5102568	CLAMP											2		
	143338	ELBOW, 45 DEG.- 3/8" TUBE, 1/4"-18PT (12.9480)												1	
	186618	BOLT, 5/16"-18X5/8" (12.9001)		2											
	186625	BOLT, 5/16"-18X7/8" (12.9001)				2									
	186624	# BOLT, 5/16"-18X1 1/4" (12.9001)						3							
	9409215	BOLT, 3/8"-16X1 1/4" (12.9001)					2								
	179847	BOLT, 3/8"-16X2" (12.9001)	2		2										
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	2	2	2	2							2		
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							2			2		2	2
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)											2		
	120393	# WASHER, 5/16" (12.9190)		2		2		3							
	103341	WASHER, 3/8" (12.9190)	4	2	4	2	2						4		
	106263	WASHER, 7/16" (12.9190)												1	
	103320	LOCKWASHER, 5/16" (12.9200)		2		2									
	103321	LOCKWASHER, 3/8" (12.9200)	4		4								4		
		# PRIOR TO 8D-3319, TYPE 172.													
		7.8215 - SEAL RING, AIR HEATER PUMP PLUNGER													
	5199460	+ SEAL RING	2	2	2	2									
		+ OBSOLETE.													
		7.8265 - SPRING, AIR HEATER PUMP													
	9022571	+ SPRING (CHECK VALVE)	2	2	2	2									
	5199459	+ SPRING (PLUNGER)	1	1	1	1									
		+ OBSOLETE.													
		7.8280 - VALVE, AIR HEATER PUMP-OUTLET													
	5145461	VALVE (CHECK OIL RELIEF)					1		1		1		1	1	1

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	164	165	168	172	178	179	182	183	185	188	192
		7.8295 - VALVE ASSY., AIR HEATER PUMP SUPPLY SHUTOFF													
	5132525	VALVE, SOLENOID (24V.)	1	1	1	1	1	1	1		1		1	1	1
	5142776	# SPACER, VALVE					1	1							
	132911	SCREW, #10-32X5/8" (12.9025)	2	2	2	2			2		2		2	2	2
	132923	SCREW, #10-32X1" (12.9025)					2								
	116286	# SCREW, #10-32X1 1/8" (12.9025)					2	2							
	120391	# WASHER, #10 (12.9190)	2	2	2	2	2	2							
	120217	# LOCKWASHER, #10 (12.9200)	2	2	2	2	2	2	2		2		2	2	2
		# PRIOR TO 8D-3319, TYPE 172.													
		7.8300 - TUBE, AIR HEATER PUMP INLET													
	5132612	HOSE, FLEX. (#5X11"L.)	1		1										
	5132613	HOSE, FLEX. (5/16"X34.50"L.)		1		1									
	5113689	* HOSE, #6X20 L. (7.4699)									1			1	
	5132615	HOSE, #5X30" L.							1					1	
	8924214	TEE, 1/8" PIPE (7.4586)												1	
	5104778	TEE, 1/4"X1/4"X5/8" (7.4694)	1	1	1										
	105417	TEE, 1/4" PIPE (12.9616)									1				
	5113214	FITTING, 1/4"-18 HOSE (12.6689)									1				
	5114049	FITTING, 5/8"-18 (2.5010)									1			2	
	105405	NIPPLE, 1/4"X7/8" (12.9560)									1				
	8924215	ELBOW, 5/16" INV. FL. TUBE (1/4" P.T.) (12.9480)	1	1	1	1		1							
	8924153	ELBOW, 5/16" INV. FL. TUBE (1/8" P.T.) (12.9480)		1		1			1		1				1
	143338	ELBOW, 3/8" INV. FL. TUBE 45 DEG. X 1/4" PIPE (12.9480)									1				
	8924168	ELBOW, 90 DEG. STREET (1/4" P.T.) (12.9590)			1										
	5189294	FITTING, 1/2"-20 HOSE (SPECIAL) (5.7100)							1		1				
	8925609	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	1												
	9432266	CONNECTOR, 3/8" TUBE (12.9460)												1	
		* STD. LENGTH HOSE CUT TO LENGTH SHOWN.													
		7.8310 - TUBE, AIR HEATER INLET													
	5139965	TUBE (SOLENOID TO HEATER) (5.58" DEV. L.)					1								
	5143426	+ TUBE (JUMPER) (5.70" DEV. L.)						1							
	5132528	TUBE (TO VALVE) (6" DEV. L.)	1	1	1	1									
	5139867	TUBE (RESERVOIR TO VALVE) (16.36" DEV. L.)					1								
	5139846	TUBE (RESERVOIR SUPPLY) (16.58"L.)					1	1							
	5145565	TUBE ASSY. (HEATER TO VALVE) (7.8300)							1		1		1	1	1
	5132599	# HOSE (PUMP TO ACCUMULATOR) (25"L.) (2.5150)	1		1			1							
	5132614	HOSE (ACCUMULATOR TO VALVE) (21"L.) (7.8300)	1	1		1									
	5145666	HOSE (PUMP TO VALVE) (2"L.)					1		1		1		1	1	1
	5120970	* HOSE (CHECK VALVE TO HEATER) (8"L.)					1								
	5129867	% HOSE (CHECK VALVE TO HEATER) (28" L.) (7.4075)											1		
	5129867	% HOSE (CHECK VALVE TO HEATER) (22" L.) (7.4075)							1					1	1
	5143366	HOSE, 39.5" L. (CHECK VALVE TO JUNCTION BLOCK) (12.6845)													1
	5113686	@ HOSE (PUMP TO HEATER) (44"L.)						1							

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	164	165	168	172	178	179	182	183	185	188	192
		7.8310 - TUBE, AIR HEATER INLET (CONT'D)													
	5129867	% HOSE, 1/4"X88" L. (VALVE OUTLET) (7.4075)									1				
	5199575	HOSE, BULK #6 HOSE (CUT L. 30") (12.8550)							1						
	5147883	HOSE, #5X52"L. (7.8300)									1		1		
	5199583	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (STRAIGHT) (12.8552)							2						
	5147858	FITTING, SPECIAL									1				
	8925032	ELBOW, 1/4" INV. FL. TUBE (12.9480)	1		1	1	1		2		2		2	2	2
	8924153	ELBOW, 5/16" INV. FL. TUBE (12.9480)	3	1	1	1			2				2	2	3
	8924215	ELBOW, 5/16" INV. FL. TUBE (12.9480)	1	1	1										
	8924160	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9460)			1		1								
	8924144	# ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)			1			1							
	224425	ELBOW, 5/16" TUBE (12.9480)					1								
	8924185	ELBOW, 5/16" SPEC. (.070" RESTRICTION) (2.5210)					1								
	8924182	# ELBOW, 5/16" SPEC. (.080" RESTRICTION) (2.4001)						1							
	5122900	ELBOW, 5/16" SPEC. (.055" RESTRICTION) (7.4596)						1							
	8924168	ELBOW, 90 DEG. STREET (1/4" P.T.) (12.9590)			1										
	5100136	ADAPTOR, 1/8" PIPE (12.9570)					1		2		2		2	2	2
	5133529	TEE, SPECIAL (4 WAY)	1	1	1	1									
	178996	TEE, 1/8" PIPE (12.9616)			1										
	5104778	# TEE, 1/4"X1/4"X5/8" SPL. (IN FILTER) (7.4694)	1	1	1		1	1							
	442347	TEE, 5/16" TUBE (12.9490)						1							
	8924142	BUSHING, 1/4"X1/8" RED. PIPE (12.9570)					1	1							
	5114048	CONNECTOR, 1/4" HOSE (2.5217)					1								
	5189294	# FITTING, 1/2"-20 HOSE (SPECIAL) (5.7100)						1	2		1		1	1	1
	8924169	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)					1								
	8925609	# CONNECTOR, 5/16" INV. FL. TUBE (12.9460)	2	1	2	2		1							
	444285	# NIPPLE, 1/8"X31/32" PIPE (12.9560)	1	2	1	2	1	1							
	113175	PLUG, 1/8" PIPE (BRASS) (12.9550)			1										
		# PRIOR TO 8D-3319, TYPE 172.													
		* NOT SERVICED; USE 5129861 AND CUT TO SUIT INSTALLATION.													
		@ PRIOR TO 8D-3319, TYPE 172. NOT SERVICED; USE 5129867 AND CUT TO SUIT INSTALLATION.													
		% STD. LENGTH HOSE, CUT TO LENGTH SHOWN.													
		+ OBSOLETE.													
		7.8313 - TUBE, AIR HEATER FUEL RETURN													
	5140146	TUBE, 3" L. (1.1100)							1					1	
	173182	TEE, 5/16"X1/2"-20 INV. FL. TUBE, 3 WAY (12.9496)							1					1	
	137398	NUT, 1/2-20 (12.9500)							1					1	

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 158	159	164	165	168	172	178	179	182	183	185	188	192
		7.8320 - CLIP, AIR HEATER INLET AND OUTLET TUBE													
	5169119	CLIP, 3/8" TUBE (2.5120)					1	1							
	140580	# CLIP, 3/8" TUBEX3/8" BOLT (12.9630)						2							
	140582	CLIP, 1/2" TUBEX3/8" BOLT (12.9630)	4	2	2	2			1		1		2	1	1
	5109020	# CLIP, 1/2" TUBEX3/8" BOLT (4.6040)						1			1				
	5153473	CLIP, 1/2" TUBE (4.6040)							2		1		2	2	2
	5188969	BRACKET, CLIP (4.1540)	1	1	1	1									
	181333	BOLT, 5/16"-24X5/8" (12.9001)	1	1		1									
	181596	BOLT, 5/16"-24X7/8" (12.9001)			1										
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1												
	103341	WASHER, 3/8" (12.9190)	1												
	103320	LOCKWASHER, 5/16" (12.9200)	1	1	1	1									
	103321	LOCKWASHER, 3/8" (12.9200)	1												
	114493	LOCKNUT, 5/16"-24 (2.7170)	1	1	1	1									
		# PRIOR TO 8D-3319, TYPE 172.													
		7.8342 - GAGE, AIR HEATER PRESSURE													
	6462434	GAGE	1	1	1	1									
		7.8415 - ACCUMULATOR, AIR HEATER													
	5132524	@ ACCUMULATOR	1	1	1	1									
	5188036	# CLAMP, 3" DIA. HOSE (12.9660)	2	2	2	2									
	5137624	# HOSE, 2 1/2"X1" (SPLIT)	2	2	2	2									
		# PRIOR TO 8D-3319, TYPE 172. NOT SERVICED USE 5136037 AND CUT TO SUIT													
		@ OBSOLETE.													
		7.8420 - TUBE, BATTERY BOX HEATER													
	5143326	VALVE			1										

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 191	193	194
		7.8001 - HEATER ASSY., AIR			
		SEE ASSEMBLY BREAKDOWN PAGE A1.			
	5144367	HEATER ASSY.	1	1	
	8924380	PLUG, 1/8"-27 W/SEAL (12.9550)	1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1	
	180078	BOLT, 5/16"-18X7/8" (12.9001)	2	1	
	122022	BOLT, 5/16"-18X1 1/8" (12.9001)	1	1	
	5155596	WASHER, 5/16" (4.7120)	3	3	
		7.8020 - GASKET, AIR HEATER			
	5109496	GASKET	1	1	
	5109517	SEAL RING, 1 3/4" DIA. (7.8040)	1	1	
		7.8080 - COIL ASSY., AIR HEATER			
	5145768	COIL	1	1	
		7.8090 - BRACKET, AIR HEATER COIL			
	5145427	BRACKET (PUMP) (LOWER) (7.8002)		1	
	5145428	BRACKET (PUMP) (UPPER) (7.8002)		1	
	8926597	SUPPORT, BRACKET		1	
	179839	BOLT, 3/8"-16X1" (12.9001)		4	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2	
	5148932	BOLT, 7/16"-14X3 3/4" L. (NYLOC)		1	
	103341	WASHER, 3/8" (12.9190)		4	
	103342	WASHER, 7/16" (12.9190)		2	
	106263	WASHER, 7/16" (12.9190)		1	
	103321	LOCKWASHER, 3/8" (12.9200)		4	
	103322	LOCKWASHER, 7/16" (12.9200)		2	
	5120186	NUT, 3/8"-16 (11.1001)		4	
		7.8095 - HARNESS, AIR HEATER WIRING			
	5145560	HARNESS		1	
		7.8110 - LEAP, AIR HEATER COIL HIGH TENSION			
		A WIRE ASSY. INCLUDES ITEMS IN 7.8110.			
	5142056	WIRE ASSY.	1	1	
	5143761	CLIP (TERMINAL)	1	1	
	5145429	CLIP, 7/8"X3/8" BOLT (7.8320)		1	
	5101020	STRAP, HOSE (2.5255)	3		
	5142470	TUBING, POLY SPIRAL (7.7020)		2	
	5197283	GLAND	1	1	
	5197282	COLLAR	1	1	
	5197281	NUT, 3/4"-18	1	1	
		7.8200 - PUMP ASSY., AIR HEATER			
	5107619	+ PUMP ASSY., ELECTRIC (12 VOLT) (INCLUDES VANE IN 7.8200)		1	
	5137624	HOSE, 2 1/2"X1" SPLIT	2		
	8921167	VANE, AIR PUMP (CARBON)		3	
		+ NOT SERVICED. USE 5142748.			

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1 9 3	1 9 4
		7.8203 - BRACKET, AIR HEATER PUMP AND VALVE		
	5132519	BRACKET (VALVE)	1	1
	5145223	CUSHION, MOUNTING	2	2
	5102568	CLAMP	2	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	2	
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		2
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)	2	
	103341	WASHER, 3/8" (12.9190)	4	2
	103321	LOCKWASHER, 3/8" (12.9200)	2	
		7.8280 - VALVE, AIR HEATER PUMP-OUTLET		
	5145461	VALVE (CHECK OIL RELIEF)	1	1
		7.8295 - VALVE ASSY., AIR HEATER PUMP SUPPLY SHUTOFF		
	5132525	VALVE, SOLENOID (24V.)	1	1
	132911	SCREW, #10-32X5/8" (12.9025)	2	2
	120217	LOCKWASHER, #10 (12.9200)	2	2
		7.8300 - TUBE, AIR HEATER PUMP INLET		
	5113689	* HOSE, #6X20" L. (7.4699)		1
	105417	TEE, 1/4" PIPE (12.9616)		1
	5113214	FITTING, 1/4"-18 HOSE (12.6689)		1
	5114049	FITTING, 5/8"-18 (2.5010)		1
	105405	NIPPLE, 1/4"X7/8" (12.9560)		1
	8924153	ELBOW, 5/16" INV. FL. TUBE (1/8" P.T.) (12.9480)		1
	8924161	ELBOW, 45 DEG. 3/8" INV. FL. TUBE (12.9480)		1
	5189294	FITTING, 1/2"-20 HOSE (SPECIAL) (5.7100)		1
		* STD. LENGTH HOSE CUT TO LENGTH SHOWN.		
		7.8310 - TUBE, AIR HEATER INLET		
	5145565	TUBE ASSY. (HEATER TO VALVE) (7.8300)	1	1
	5145666	HOSE (PUMP TO VALVE) (2" L.)	1	1
	5129867	* HOSE (CHECK VALVE TO HEATER) (28" L.) (7.4075)	1	1
	5147883	HOSE, #5X52" L. (7.8300)	1	1
	5147858	FITTING, SPECIAL	1	1
	8925032	ELBOW, 1/4" INV. FL. TUBE (12.9480)	2	2
	8924153	ELBOW, 5/16" INV. FL. TUBE (12.9480)	3	2
	5100136	ADAPTOR, 1/8" PIPE (12.9570)	2	2
	5189294	FITTING, 1/2"-20 HOSE (SPECIAL) (5.7100)	2	1
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.		

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 193	TYPES 194
		7.8320 - CLIP, AIR HEATER INLET AND OUTLET TUBE		
	140582	CLIP, 1/2" TUBE X 3/8" BOLT (12.9630)	4	4

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7.8000A AIR HEATER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	COLUMN B	COLUMN C
		7.8001 - HEATER ASSY., AIR			
	5109495	HEATER ASSY.	1		
	5146015	HEATER ASSY.		1	
	5144367	HEATER ASSY.			1
		7.8010 - PLUG, AIR HEATER			
	8924380	PLUG, 1/8" (12.9550)		1	
	9421741	PLUG, 1/4" CUP (12.9320)			1
	9421740	PLUG, 3/16" CUP (12.9320)			1
	5142302	PLUG, RESTRICTION (7.4596)			1
	456655	PLUG, 1/4" INV. FLD. TUBE (12.9465)	1		
		7.8030 - BODY, AIR HEATER			
	5139563	BODY		1	
	5109674	BODY ASSY. (INCLUDES ELECTRODE)	1		
	5144325	BODY ASSY. (INCLUDES ELECTRODE)			1
	5228369	CAP, FILTER ELEMENT (2.1130)	1		
	5228373	ELEMENT, FILTER (2.1110)	1		
		7.8050 - NOZZLE, AIR HEATER SPRAY			
	5232195	NOZZLE	1		
	5232519	NOZZLE		1	
	5232650	NOZZLE			1
	5108353	GASKET	1		
		7.8120 - ELECTRODE, AIR HEATER			
	5613086	ELECTRODE (PKG.) (7.8130)		1	
	5611416	# ELECTRODE			1
		# PRIOR TO 8D-3319, TYPE 172.			
		7.8130 - INSULATOR, AIR HEATER			
	5613134	INSULATOR ASSY.	1		
		7.8140 - GASKET, AIR HEATER INSULATOR			
	5122839	GASKET (COPPER)	2		
		7.8150 - NUT, AIR HEATER INSULATOR			
	5133485	NUT, 5/8"-18	1		

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

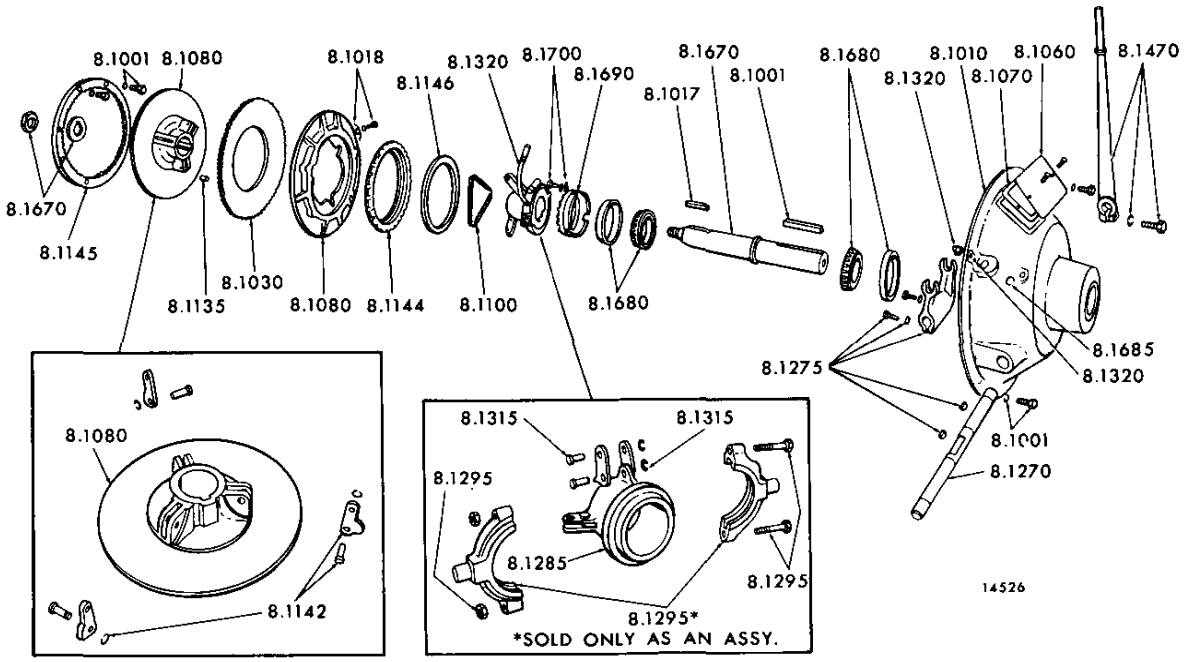


FIG. 1A POWER TAKE-OFF

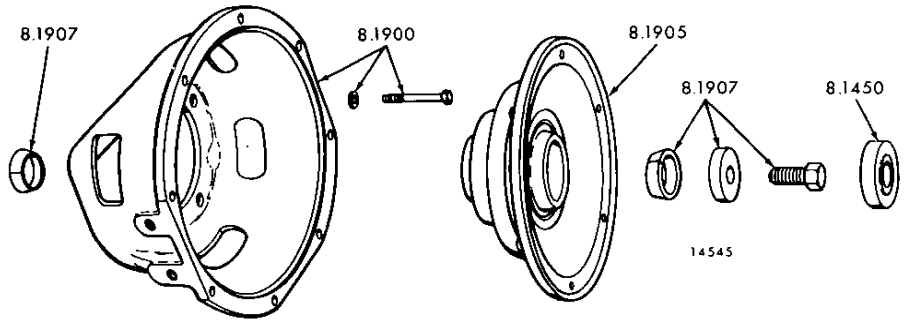
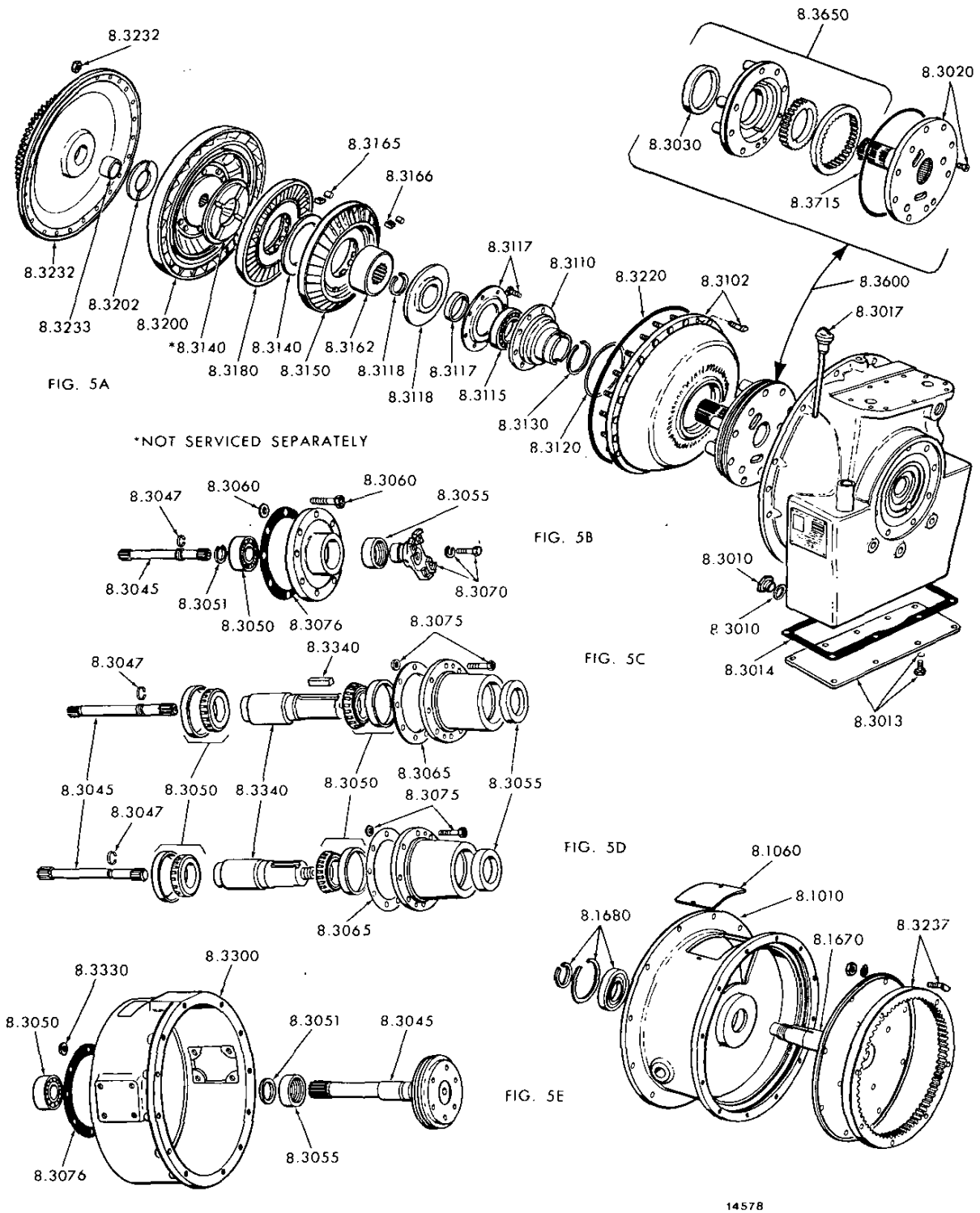


FIG. 1B FRONT POWER TAKE-OFF ADAPTOR

Figs. 1A & 1B of 8.0000

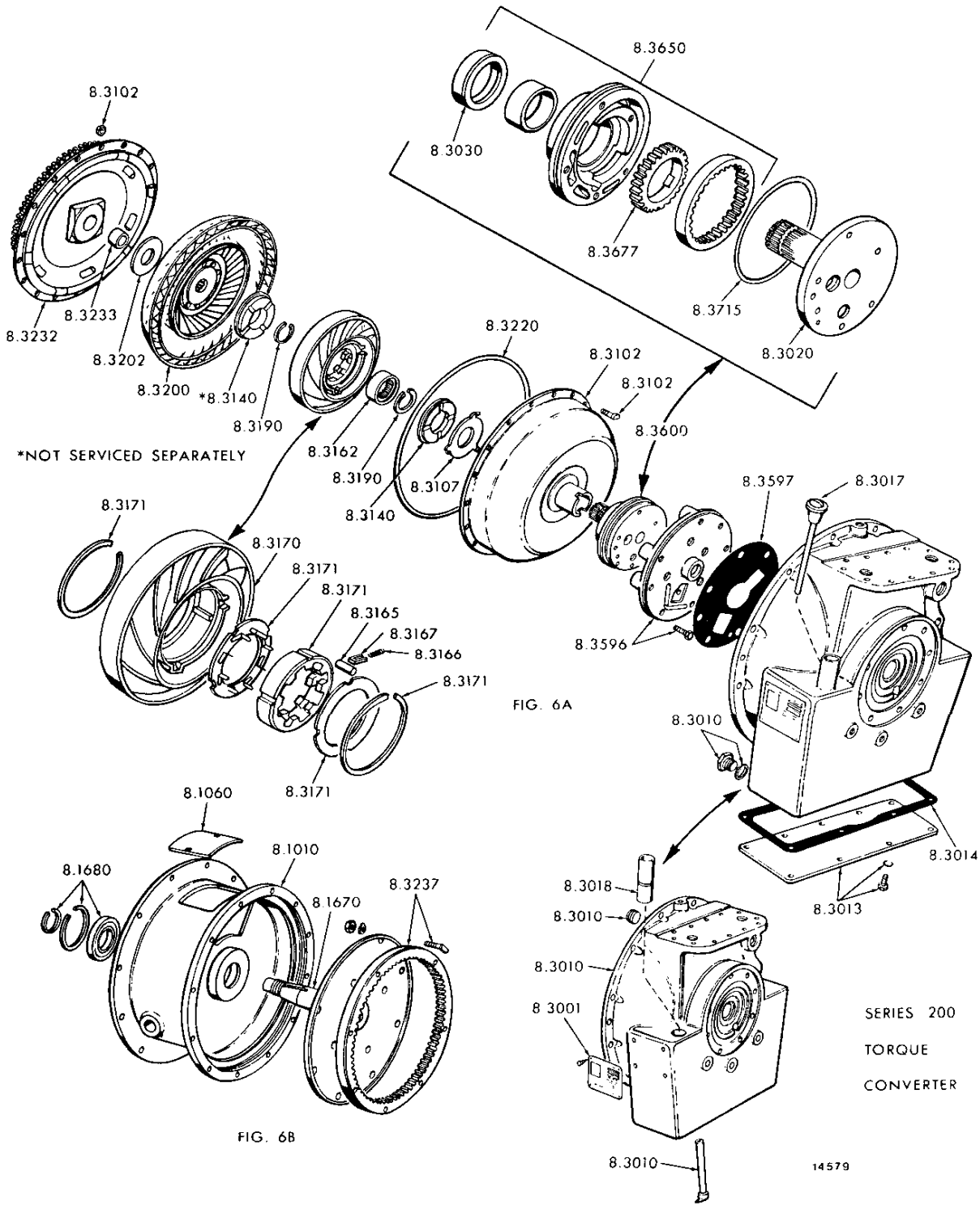
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SERIES 300 TORQUE CONVERTER AND SHAFTS

Figs. 5A, 5B, 5C, 5D & 5E of 8.0000

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SERIES 200 TORQUE CONVERTER

Figs. 6A & 6B of 8.0000

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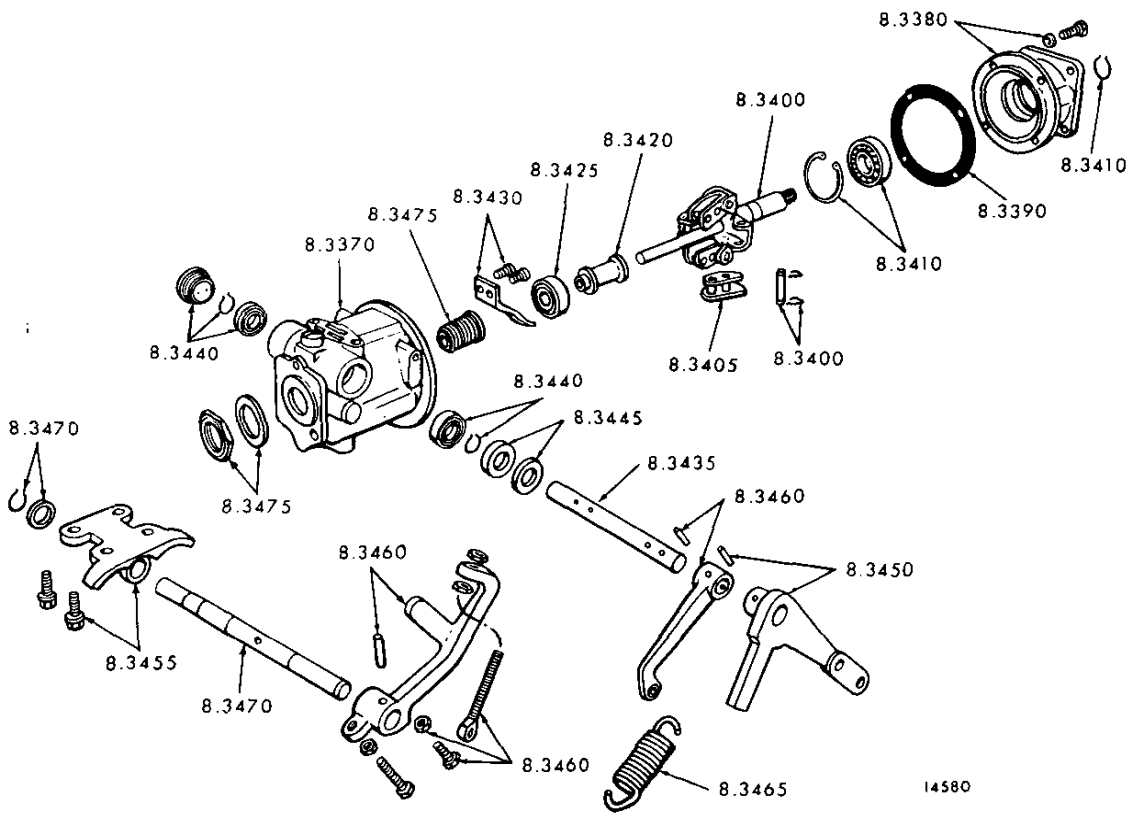


FIG. 7A TORQUE CONVERTER OUTPUT SHAFT GOVERNOR

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1001 - POWER TAKE-OFF ASSY.													
		INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1700 EXCEPT 8.1450.													
	NPN	POWER TAKE-OFF ASSY. (CUSTOMER FURNISHED)				1		1	1		1		1	1	1
	5116493	% POWER TAKE-OFF ASSY. (SAE #4)	1												
	5147643	POWER TAKE-OFF ASSY. (SAE #4)	1												
	5119174	@ POWER TAKE-OFF ASSY. (SAE #5)		1											
	5132205	& POWER TAKE-OFF ASSY. (SAE #5)		1								1			
	5124845	= POWER TAKE-OFF ASSY. (SAE #4) (PTA-465-X1)			1										
	5127242	POWER TAKE-OFF ASSY. (SAE #3)					1								
	5128701	POWER TAKE-OFF ASSY. (SAE #2)								1					
1A	5196448	KEY (1/2" SQ. X 4 7/8"L.)		1								1			
1A	5192162	KEY (5/8" SQ. X 4 1/4"L.)	1												
1A	5192156	KEY (5/8" SQ. X 5 1/4"L.)								1					
1A	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12				12								
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)			12					12					
	179844	BOLT, 3/8"-16X1 5/8" (12.9001)		8								8			
1A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR			AR		AR			
	102635	NUT, 3/8"-16 (12.9120)		8								8			
		% NOT SERVICED. COMPONENTS ARE AVAIL. FOR COMPLETE REPLACEMENT USE SECOND ASSY. SHOWN IN SAME TYPE.													
		@ THRU 3D-8736, 4D-11276.													
		& EFF. WITH 3D-8737, 4D-11277.													
		= NOT SERVICED. COMPONENTS ARE AVAIL. FOR COMPLETE REPLACEMENT CONTACT ROCKFORD CLUTCH DIV. OF BORG-WARNER CORP., FURNISHING THEIR ASSY. NUMBER WHICH APPEARS IN PARENTHESES.													
		8.1010 - HOUSING, CLUTCH													
	NPN	HOUSING (CUSTOMER FURNISHED)												1	1
1A	5196460	HOUSING (SAE #4)	1												
1A	5196868	HOUSING (SAE #5)		1								1			
1A	5196586	HOUSING (SAE #4)			1										
	5125651	HOUSING (AUTOMOTIVE)				1					1				
1A	5197244	HOUSING (SAE #3)					1								
	6756627	+ HOUSING (SAE #3)						1					1		
	5124383	HOUSING (AUTOMOTIVE)							1						
1A	5196454	HOUSING (SAE #2)								1					
	5125650	PAN, CLUTCH HOUSING				1					1				
	5100009	PAN, CLUTCH HOUSING							1						
	5120494	STUD, 3/8"-16X1.95"				3					3				
	5150362	STUD, 3/8"-16X1 5/8" (5.2020)							3						
	179812	BOLT, 5/16"-18X1/2" (12.9001)				4			4		4				
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)						12							
	455537	BOLT, 3/8"-16X4" (12.9001)				6			6		6				

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1010 - HOUSING, CLUTCH (CONT'D)													
	103320	LOCKWASHER, 5/16" (12.9200)				4			4		4				
	103321	LOCKWASHER, 3/8" (12.9200)				9		AR	AR		9				
	117049	NUT, 3/8"-24 (12.9120)				3			3		3				
		+ PART OF TORQUE CONVERTER ASSY. 8.3000A TYPE 359.													
		8.1017 - CLUTCH ASSY.													
		A CLUTCH ASSY. INCLUDES ITEMS IN 8.1030, 8.1080, 8.1100, 8.1135, 8.1142, 8.1144, 8.1145, 8.1285, 8.1295 AND 8.1315.													
	NPN	CLUTCH ASSY. (CUSTOMER FURNISHED)				1					1				1
	5196457	CLUTCH ASSY. (10" CLUTCH)	1												
	5197886	CLUTCH ASSY. (8" CLUTCH)		1								1			
	5196591	CLUTCH ASSY. (6 1/2" CLUTCH)			1										
	5197243	CLUTCH ASSY. (11 1/2" CLUTCH)					1								
	5194365	CLUTCH ASSY. (10" CLUTCH)						1					1	1	
	5196452	CLUTCH ASSY. (11 1/2" CLUTCH)								1					
1A	5196449	KEY (1/4" SQ. X 1 3/4"L.)		1	1							1			
1A	5192489	KEY (1/4" SQ. X 2"L.)						1					1	1	
1A	5193449	KEY (3/8"X1/2"X1 7/8"L.)	1												
1A	6769080	KEY (3/8" SQ. X 2 1/2"L.)					1								
1A	5197229	KEY (1/2" SQ. X 3 1/4"L.)								1					
		8.1018 - RING, CLUTCH DRIVING													
1A	5196740	RING (6 1/2")			1										
1A	5192358	RING (8")		1								1			
1A	5192180	RING (10")	1					1					1	1	
1A	5192163	RING (11 1/2") (7/8" WIDE)					1								
1A	5194954	RING (11 1/2") (1 7/8" WIDE)								1					
	186624	BOLT, 5/16"-18X1 1/2" (12.9001)			8										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		6											
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (TO FLYWHEEL) (12.9001)					8	8					8	8	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	8												
	179850	BOLT, 3/8"-16X2 3/4" (TO FLYWHEEL) (12.9001)								8					
	103320	LOCKWASHER, 5/16" (12.9200)			8										
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR						AR					
		8.1020 - PLATE, CLUTCH DRIVEN													
	3862220	@ PLATE, CLUTCH DRIVEN									1				
		@ PROCURE FROM CHEVROLET.													

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1030 - FACING, CLUTCH													
1A	5192182	FACING (3 SEGMENTS)	1					1					1	1	
1A	5193426	# FACING (3 SEGMENTS)		1											
1A	5197890	FACING (SINGLE PLATE)		1								1			
1A	5196593	FACING (3 SEGMENTS)			1										
1A	5197884	FACING (SINGLE PLATE)					1			2					
		# NOT SERVICED, FOR REPLACEMENT USE 5197890.													
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE													
1A	5199882	COVER	1	1	1					1		1			
	3835200	* COVER				1									
1A	5191302	COVER					1								
	6756618	COVER						1							
1A	113954	SCREW, 1/4"-20X3/8" RD. HD. SL. (12.9001)		2	2							2			
	120628	* SCREW, 1/4"-20X1/2" RD. HD. SL. (12.9001)				2	2								
	9421917	SCREW AND LOCKWASHER ASSY. (12.9025)						2							
		* EARLY UNITS.													
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER													
1A	5192415	GASKET	1	1	1					1		1			
1A	5191303	GASKET					1								
		8.1080 - PLATE, CLUTCH PRESSURE													
1A	5194143	PLATE (OUTER)	1												
1A	5194294	PLATE (INNER) (INCLUDES LOCK)	1					1					1	1	
1A	5196451	* PLATE (OUTER)		1								1			
1A	5193415	PLATE (INNER)		1								1			
1A	5196592	PLATE (OUTER)			1										
1A	5196594	PLATE (INNER)			1										
1A	5197248	PLATE (OUTER)					1								
1A	5197250	PLATE (INNER)					1								
1A	5193258	PLATE (OUTER)						1					1	1	
1A	5194290	PLATE (INNER)								1					
	5194951	PLATE (CENTER)								1					
1A	5197112	PLATE (OUTER)								1					
	3758681	@ PLATE ASSY.									1				
	838653	BOLT, 3/8"-16X1"									6				
	103321	LOCKWASHER, 3/8" (12.9200)									6				
		* USE WITH 3 SPRING DESIGN CLUTCH ONLY.													

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1080 - PLATE, CLUTCH PRESSURE (CONT'D)													
		@ PROCURE FROM CHEVROLET.													
		8.1100 - SPRING, CLUTCH TOGGLE LEVER													
1A	**5194138**	SPRING	1					1		1			1	1	
1A	**5194139**	SPRING		1								1			
1A	**5196599**	SPRING			1										
1A	**5191308**	SPRING					1								
		8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN													
1A	**5193431**	SPRING (COIL)	3					3					3	3	
1A	**5193414**	SPRING (COIL)		3	3							3			
1A	**9024370**	SPRING					6								
1A	**5194952**	SPRING (COIL)								3					
		8.1142 - LEVER, CLUTCH RELEASE YOKE													
1A	**5194140**	LEVER	3	3				3		3		3	3	3	
1A	**5197252**	LEVER					3								
1A	**5193422**	PIN	3	3				3		3		3	3	3	
1A	**5192175**	PIN			3										
	455346	PIN, SPRING (RETAINER) (8.3450)					3								
1A	**5196918**	PIN					3								
1A	**5194953**	PIN, 5/16"X1 1/2" SPRING (12.9300)								3					
1A	**5192142**	RING, RETAINING	3	3				3		3		3	3	3	
1A	**5192176**	RING, RETAINING			1										
		8.1144 - NUT, CLUTCH ADJUSTING													
1A	**5196871**	NUT (5 1/4"-16 THD.)			1										
1A	**5197889**	NUT (6 5/8"-16 THD.)		1								1			
1A	**5193424**	@ NUT (6 5/8"-16 THD.)		1											
1A	**5197883**	NUT (7 1/2"-16 THD.)	1					1		1			1	1	
1A	**5193430**	# NUT (7 1/2"-16 THD.)	1					1		1					
1A	**5197249**	NUT					1								
	5197882	PLATE, WEAR	1					1		1			1	1	
	5197888	PLATE, WEAR		1								1			

@ NOT SERVICED, FOR REPLACEMENT USE 1-5197888 AND 1-5197889.

NOT SERVICED, FOR REPLACEMENT USE 1-5197882 AND 1-5197883.

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1145 - LOCK, CLUTCH ADJUSTING NUT													
1A	5196867	LOCK	1					1		1			1	1	
1A	5196866	LOCK		1	1							1			
1A	5197251	LOCK					1								
1A	179789	BOLT, 1/4"-20X3/8" (12.9001)	1	1				1		1		1	1	1	
1A	114604	LOCKWASHER, 1/4" EXT. TOOTH (12.9210)	1	1				1		1		1	1	1	
		8.1270 - SHAFT, CLUTCH RELEASED													
1A	5193626	SHAFT	1												
1A	5194241	SHAFT		1								1			
1A	5196587	SHAFT			1										
1A	5191656	SHAFT					1								
1A	5194244	SHAFT						1					1	1	
1A	5192251	SHAFT								1					
	145692	FITTING, 1/4" LUBE (12.9540)	2	2	2					2		2			
	5190957	FITTING, 1/2" LUBE	1												
	191758	FITTING, 1/8" LUBE (12.9540)						1							
		8.1275 - YOKE, CLUTCH RELEASE													
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.													
1A	5192150	YOKE ASSY.	1												
1A	5193254	YOKE ASSY.		1				1				1	1	1	
1A	5193255	YOKE ASSY.			1										
1A	5191655	YOKE ASSY.					1								
1A	5197111	YOKE ASSY.								1					
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2			2		2		2	2	2	
1A	9046485	BOLT, 3/8"-16X1 1/2" (12.9001)					2								
1A	103321	LOCKWASHER, 3/8" (12.9200)	2	2	2			2		2		2	2	2	
1A	111328	LOCKWASHER, 3/8" INT. TOOTH (12.9220)					2								
1A	113782	KEY, 1/4"X1" WOODRUFF (12.9350)	2	2	2			2		2		2	2	2	
1A	9046481	KEY (12.9350)					2								
		8.1280 - FORK, CLUTCH RELEASE													
	3765372	FORK									1				
	3725240	STUD									1				
	3765360	BOOT									1				
		8.1285 - SLEEVE, CLUTCH RELEASE													
1A	5193432	SLEEVE	1												
1A	5196453	SLEEVE		1								1			
1A	5196596	SLEEVE			1										
1A	5197254	SLEEVE					1								
1A	5193259	SLEEVE						1					1	1	
1A	5197113	SLEEVE								1					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1290 - BEARING, CLUTCH RELEASE													
	905263	BEARING (N.D. Z993609X1C)			1										
	5196598	SNAP RING, BEARING (3 1/16" O.D.)			1										
	5193270	SNAP RING, BEARING (2" O.D.)			1										
		8.1295 - COLLAR, CLUTCH RELEASE													
		A COLLAR ASSY. INCLUDES ITEMS IN 8.1295.													
1A	5196716	COLLAR ASSY.	1												
1A	5191674	COLLAR ASSY.					1								
	5196597	COLLAR			1										
1A	5196718	BEARING ASSY.		1								1			
1A	5196719	BEARING ASSY.						1					1	1	
1A	5197114	BEARING ASSY.								1					
	5191675	SHIM					2								
1A	9409023	BOLT, 5/16"-24X1 3/4" (12.9001)			2			2				2	2	2	
1A	100018	BOLT, 5/16"-24X2" (12.9001)	2												
1A	106288	BOLT, 3/8"-24X2 1/4" (12.9001)					2			2					
1A	214279	NUT, 5/16"-24 ELASTIC STOP (12.9120)	2	2				2				2	2	2	
1A	8032717	NUT, 3/8"-24 ELASTIC (12.9120)								2					
1A	103026	NUT, 3/8"-24 (12.9120)					2								
		8.1315 - LINK, CLUTCH RELEASE YOKE													
1A	5193421	LINK	6	6				6		6		6	6	6	
1A	5196601	LINK			6										
1A	5191671	LINK					6								
1A	5193420	PIN (5/16"X11/16") CLEVIS	6	6				6		6		6	6	6	
1A	5196870	PIN (1/4"X11/16") CLEVIS			6										
1A	103495	PIN, 5/16"X31/32" CLEVIS (12.9260)					6								
	103362	PIN, 1/16"X3/4" COTTER (12.9250)					6								
1A	5192176	RING, RETAINING	6	6				6		6		6	6	6	
1A	5192372	RING, RETAINING			6										
		8.1318 - COVER, CLUTCH RELEASE YOKE LUBRICATION													
	5193621	COVER	1												
	132830	SCREW ASSY. (SOLENOID) (12.9025)	2												
		8.1320 - HOSE, CLUTCH RELEASE BEARING													
1A	5190583	HOSE ASSY. (3/16"I.D.X15"L.)					1								
1A	5192296	HOSE ASSY.						1					1	1	
1A	5192295	HOSE ASSY.								1					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1320 - HOSE, CLUTCH RELEASE BEARING (CONT'D)													
1A	273347	FITTING, 1/8" LUBE (12.9540)	1	1											
1A	191758	FITTING, 1/8" LUBE (12.9540)					1			2			1	1	
	111849	LOCKWASHER, 5/8" INT. TOOTH (12.9200)					1								
1A	122366	NUT, 5/8"-18 THIN (12.9120)					1	1		1			1	1	
		8.1450 - BEARING, CLUTCH PILOT													
		FOR CLUTCH PILOT BEARINGS NOT LISTED HERE, REFER TO GROUP 1.4040.													
	906986	BEARING (N.D. 7506LR1C) (1.4040)	1												
	907302	BEARING (N.D. Z99605X1978) (1.4040)		1						1					
	907303	BEARING (N.D. Z99604L1C) (1.4040)			1										
	5197246	+ BEARING					1								
	5197247	SPACER					1								
		+ OBSOLETE.													
		8.1455 - FITTING, CLUTCH PILOT BEARING GREASE													
	191758	FITTING, 1/8" LUBE (12.9540)	1	1											
	273349	FITTING, 1/4" LUBE (12.9540)					1								
		8.1470 - LEVER, CLUTCH HAND CONTROL													
		A LEVER ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1470.													
1A	5193627	LEVER ASSY.	1	1	1							1			
1A	5191326	LEVER ASSY.					1								
1A	3290211	LEVER ASSY.						1		1			1	1	
1A	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1					1		1	1	1	
1A	186646	BOLT, 1/2"-13X1 3/4" (12.9001)					1	1							
1A	103321	LOCKWASHER, 3/8" (12.9200)	1	1	1					1		1	1	1	
1A	103323	LOCKWASHER, 1/2" (12.9200)					1	1							
		8.1670 - SHAFT, CLUTCH DRIVE													
1A	5192160	* SHAFT	1												
1A	5196459	@ SHAFT	1												
1A	5196446	SHAFT		1								1			

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1670 - SHAFT, CLUTCH DRIVE (CONT'D)													
1A	5196587	# SHAFT (#PT-805-6)			1										
1A	5191651	SHAFT					1								
1A	5196455	SHAFT								1					
1A	6772328	SHAFT ASSY.						1							
1A	5192154	LOCKWASHER	1												
1A	5192491	LOCKWASHER		1	1							1			
1A	5190462	LOCKWASHER					1								
1A	5197559	LOCKWASHER								1					
	5194671	LOCKWASHER						1					1	1	
1A	5192153	NUT	1					1					1	1	
1A	5192490	NUT		1	1							1			
1A	5191320	NUT					1								
1A	5197558	NUT								1					
		* PART OF ASSY. 5147643.													
		@ PART OF ASSY. 5116493.													
		# NOT SERVICED. FOR REPLACEMENT CONTACT ROCKFORD CLUTCH DIVISION OF BORG-WARNER CORP., FURNISHING THEIR PART NUMBER WHICH APPEARS IN PARENTHESES.													
		8.1680 - BEARING, CLUTCH DRIVE SHAFT													
	901785	BEARING (N.D. 99607X1B)			1										
	954551	BEARING (N.D. 99509XR1B)						1							
1A	443749	BEARING	2												
1A	444263	BEARING					2								
	453812	BEARING ASSY.								2					
1A	432777	CUP, BEARING		2								2			
1A	443858	CONE, BEARING		2								2			
	5196598	RING, SNAP (1 1/2"O.D.)			1										
	5196590	RING, SNAP (3 1/4"O.D.)			1										
	6753487	RING, SNAP (3.47"O.D.)						1							
	6751822	RING, SNAP (2"O.D.)						1							
		8.1685 - FITTING, CLUTCH DRIVE SHAFT BEARING GREASE													
1A	191758	FITTING, 1/8" LUBE (12.9540)	1	1								2			
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING													
1A	5192149	RETAINER	1												
1A	5193251	RETAINER		1								1			
1A	5191322	& RETAINER					1								

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING (CONT'D)													
1A	5197004	RETAINER & NOT SERVICED; REPLACE WITH 5199860.								1					
		8.1695 - SPACER, CLUTCH DRIVE SHAFT BEARING RETAINER													
	5191321	& SPACER & NOT SERVICED; REPLACE WITH 5199860.					1								
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER													
1A	3223379	LOCK	1	1						1		1			
1A	5191323	LOCK					1								
1A	179812	BOLT, 5/16"-18X1/2" (12.9001)	1	1			1			1		1			
	103320	LOCKWASHER, 5/16" (12.9200)	1	1			1			1		1			
		8.1900 - HOUSING, POWER TAKE-OFF ADAPTOR													
1B	5162833	HOUSING ASSY. (INCLUDES PIN)		1								1			
1B	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4											
1B	179860	BOLT, 7/16"-14X1 1/4" (12.9001)		2								6			
1B	103321	LOCKWASHER, 3/8" (12.9200)		4								4			
1B	103322	LOCKWASHER, 7/16" (12.9200)		2								6			
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)		2								2			
		8.1904 - SHAFT, POWER TAKE-OFF ADAPTOR STUB													
	5136411	* SHAFT (TRANSMISSION DRIVE) * PART OF COUPLING ASSY. IN 8.1910.													1
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH													
		AN ADAPTOR INCLUDES HUB IN 8.1906.													
1B	5119190	ADAPTOR		1								1			
	5172771	INSULATOR ASSY. (1.3280)										1			
		8.1906 - HUB, FRONT POWER TAKE-OFF ADAPTOR													
	5119170	HUB		1								1			

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 180	181	187	204	208	214	220	221	228	230	255	270	271
		8.1907 - CONE, POWER TAKE-OFF ADAPTOR													
18	**5119189**	CONE (1.3295)		2								2			
18	**271632**	BOLT, 3/4"-16X1 3/4" (1.3290)		1								1			
18	**5180291**	WASHER (2.18" DIA. O.D.) (1.3290)		1								1			
		8.1910 - COUPLING ASSY., POWER TAKE-OFF													
	5136521	COUPLING ASSY. (TRANSMISSION)													1
	5136406	# ADAPTOR, COUPLING													1
	7450944	# BEARING, COUPLING													2
	9152466	# SEAL, BEARING													2
	5127300	# SPACER, BEARING													1
	9152465	# RETAINER, BEARING													2
	191758	# FITTING, 1/8" LUBE (12.9540)													1
	5127184	GASKET (TO BELL) (1.5020)													1
	5136529	BOLT, 3/8"-16X1 5/8" (NYLOCK)													12
	103321	LOCKWASHER, 3/8" (12.9200)													12

PART OF COUPLING ASSY. IN TYPE 271. AN ASSY. ALSO INCLUDES SHAFT IN 8.1904.

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	275	278	282	299	302	304	305	308	309	315
		8.1001 - POWER TAKE-OFF ASSY.											
		INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1700 EXCEPT 8.1450.											
	NPN	POWER TAKE-OFF ASSY. (CUSTOMER FURNISHED)	1	1	1	1	1	1	1	1		1	1
	5140918	* POWER TAKE-OFF ASSY.									1		
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)									12		
1A	103321	LOCKWASHER, 3/8" (12.9200)									AR		
		* NOT SERVICED, COMPONENTS OF POWER TAKE-OFF ASSY., SERVICED BY COTTA TRANSMISSION CO., ROCKFORD, ILL.											
		8.1010 - HOUSING, CLUTCH											
	NPN	HOUSING (CUSTOMER FURNISHED)		1	1				1	1			1
	5125651	HOUSING (AUTOMOTIVE)										1	
	6756627	@ HOUSING (SAE #3)				1		1					
	5140854	HOUSING (AUTOMOTIVE)	1				1						
	5125650	PAN, CLUTCH HOUSING										1	
	5135588	PAN, CLUTCH HOUSING	1				1						
	3774698	# BOOT-CLUTCH FORK	1				1						
	3765360	# BOOT-CLUTCH FORK (8.1280)										1	
	3739163	# STUD	1				1						
	3725240	# STUD										1	
	5136088	STUD, 3/8"-4.82"	3				3						
	5120494	STUD, 3/8"-16X1.95"										3	
	180016	BOLT, 1/4"-20X1/2" (12.9001)	4				4						
	179812	BOLT, 5/16"-18X1/2" (12.9001)										4	
	455537	BOLT, 3/8"-16X4" (12.9001)	6				6					6	
	103319	LOCKWASHER, 1/4" (12.9200)	4				4						
	103320	LOCKWASHER, 5/16" (12.9200)										4	
	103321	LOCKWASHER, 3/8" (12.9200)	9				9					9	
	117049	NUT, 3/8"-24 (12.9120)	3				3					3	
		@ PART OF TORQUE CONVERTER ASSY. 8.3000A TYPE 448.											
		# PROCURE FROM CHEVROLET.											
		8.1017 - CLUTCH ASSY.											
		A CLUTCH ASSY. INCLUDES ITEMS IN 8.1030, 8.1080, 8.1100, 8.1135, 8.1142, 8.1144, 8.1145, 8.1285, 8.1295 AND 8.1315.											
	NPN	CLUTCH ASSY. (CUSTOMER FURNISHED)										1	1
	5194365	CLUTCH ASSY. (10" CLUTCH)				1		1					
	5194342	CLUTCH ASSY. (10" CLUTCH)									1		
1A	5192489	KEY (1/4" SQ. X 2"L.)				1		1					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	275	278	282	299	302	304	305	308	309	315
		8.1018 - RING, CLUTCH DRIVING											
1A	5192180	RING (10")				1		1			1		
	5123897	RING (15")								1			
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (TO FLYWHEEL) (12.9001)				8		8					
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)									8		
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)								8			
	103321	LOCKWASHER, 3/8" (12.9200)									AR		
	103323	LOCKWASHER, 1/2" (12.9200)								8			
		8.1020 - PLATE, CLUTCH DRIVEN											
	3862220	@ PLATE, CLUTCH DRIVEN @ PROCURE FROM CHEVROLET.										1	
		8.1030 - FACING, CLUTCH											
1A	5192182	FACING (3 SEGMENTS)				1		1			1		
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE											
	3765349	@ COVER	1				1						
	180016	BOLT, 1/4"-20X1/2" (12.9001)	2				2						
	103319	LOCKWASHER, 1/4" (12.9200) @ PROCURE FROM CHEVROLET.	2				2						
		8.1080 - PLATE, CLUTCH PRESSURE											
1A	5194143	PLATE (OUTER)						1			1		
1A	5194294	PLATE (INNER) (INCLUDES LOCK)				1		1			1		
1A	5193258	PLATE (OUTER)				1							
	6272200	@ PLATE	1				1						
	3758681	@ PLATE ASSY.										1	
	340228	@ PLATE ASSY.	1				1						
	838653	BOLT, 3/8"-16X1"	8				8					6	
	103321	LOCKWASHER, 3/8" (12.9200) @ PROCURE FROM CHEVROLET.	8				8					6	
		8.1100 - SPRING, CLUTCH TOGGLE LEVER											
1A	5194138	SPRING				1		1			1		
		8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN											
1A	5193431	SPRING (COIL)				3			3		3		

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	275	278	282	299	302	304	305	308	309	315
		8.1142 - LEVER, CLUTCH RELEASE YOKE											
1A	5194140	LEVER				3		3			3		
1A	5193422	PIN				3		3			3		
1A	5192142	RING, RETAINING				3		3			3		
		8.1144 - NUT, CLUTCH ADJUSTING											
1A	5197883	NUT, 7 1/2"-16				1		1			1		
	5197882	PLATE, WEAR				1		1			1		
		8.1145 - LOCK, CLUTCH ADJUSTING NUT											
1A	5196867	LOCK				1		1			1		
1A	179789	BOLT, 1/4"-20X3/8" (12.9001)				1		1			1		
1A	114604	LOCKWASHER, 1/4" EXT. TOOTH (12.9210)				1		1			1		
		8.1270 - SHAFT, CLUTCH RELEASED											
1A	5194244	SHAFT				1		1					
	191758	FITTING, 1/8" LUBE (12.9540)				1							
		8.1275 - YOKE, CLUTCH RELEASE											
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.											
1A	5193254	YOKE ASSY.				1		1					
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2			2	2						
1A	103321	LOCKWASHER, 3/8" (12.9200)	2			2	2	2					
1A	113782	KEY, 1/4"X1" WOODRUFF (12.9350)				2		2					
		8.1280 - FORK, CLUTCH RELEASE											
	3843314	@ FORK										1	
	3765371	@ FORK	1				1						
		@ PROCURE FROM CHEVROLET.											
		8.1285 - SLEEVE, CLUTCH RELEASE											
1A	5193432	SLEEVE									1		
1A	5193259	SLEEVE				1		1					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	275	278	282	299	302	304	305	308	309	315
		8.1295 - COLLAR, CLUTCH RELEASE											
		A COLLAR ASSY. INCLUDES ITEMS IN 8.1295.											
	5196715	COLLAR ASSY.									1		
1A	**5196719**	BEARING ASSY.				1		1					
1A	**9409023**	BOLT, 5/16"-24X1 3/4" (12.9001)				2		2					
1A	**100018**	BOLT, 5/16"-24X2" (12.9001)									2		
1A	**214279**	NUT, 5/16"-24 ELASTIC STOP (12.9120)				2		2			2		
		8.1315 - LINK, CLUTCH RELEASE YOKE											
1A	**5193421**	LINK				6		6			6		
1A	**5193420**	PIN (5/16"X11/16") CLEVIS				6		6			6		
1A	**5192176**	RING, RETAINING				6		6			6		
		8.1320 - HOSE, CLUTCH RELEASE BEARING											
1A	**5192296**	HOSE ASSY.				1		1					
1A	**191758**	FITTING, 1/8" LUBE (12.9540)						1					
1A	**122366**	NUT, 5/8"-18 THIN (12.9120)				1		1					
		8.1455 - FITTING, CLUTCH PILOT BEARING GREASE											
	191758	FITTING, 1/8" LUBE (12.9540)				1							
		8.1470 - LEVER, CLUTCH HAND CONTROL											
		A LEVER ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1470.											
1A	**3290211**	LEVER ASSY.				1		1					
1A	**186628**	BOLT, 3/8"-16X1 1/2" (12.9001)						1					
1A	**186646**	BOLT, 1/2"-13X1 3/4" (12.9001)				1							
1A	**103321**	LOCKWASHER, 3/8" (12.9200)						1					
1A	**103323**	LOCKWASHER, 1/2" (12.9200)				1							
		8.1670 - SHAFT, CLUTCH DRIVE											
	5194671	LOCKWASHER				1		1					
1A	**5192153**	NUT				1		1					

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 273	275	278	282	299	302	304	305	308	309	315
		8.1904 - SHAFT, POWER TAKE-OFF ADAPTOR STUB											
	5122429	* SHAFT (TRANSMISSION DRIVE)		1									
		* PART OF COUPLING ASSY. IN 8.1910.											
		8.1905 - ADAPTOR, POWER TAKE-OFF TO CLUTCH											
		AN ADAPTOR INCLUDES HUB IN 8.1906.											
	5172771	INSULATOR ASSY. (1.3280)			1								
		8.1906 - HUB, FRONT POWER TAKE-OFF ADAPTOR											
	5119170	HUB			1								
		8.1907 - CONE, POWER TAKE-OFF ADAPTOR											
1B	5119189	CONE (1.3295)			2								
1B	271632	BOLT, 3/4"-16X1 3/4" (1.3290)			1								
1B	5180291	WASHER (2.18" DIA. O.D.) (1.3290)			1								
		8.1908 - PULLEY, CRANKSHAFT FRONT POWER TAKE-OFF											
	5169905	PULLEY							1				
	186612	BOLT, 3/8-16X1 3/8" (12.9001)							6				
	103321	LOCKWASHER, 3/8" (12.9200)							6				
		8.1910 - COUPLING ASSY., POWER TAKE-OFF											
	5167273	COUPLING							1				
	5137481	COUPLING ASSY. (TRANSMISSION)		1									
	7450944	# BEARING, COUPLING		2									2
	5136406	# ADAPTOR, COUPLING											1
	9152466	# SEAL, BEARING		2									2
	5127300	# SPACER, BEARING		1									1
	9152465	# RETAINER, BEARING		2									2
	191758	# FITTING, 1/8" LUBE (12.9540)		1									1
	5127184	GASKET (TO BELL) (1.5020)		1									1
	5131724	KEY, 3/8"X1 1/4" WOODRUFF (12.9350)							2				
	5136529	BOLT, 3/8"-16X1 5/8" (NYLOCK)		12									12
	5153623	BOLT (12.9001)							1				
	5157930	WASHER (1.3290)							1				
	103321	LOCKWASHER, 3/8" (12.9200)		12									12
		# PART OF COUPLING ASSY. IN TYPE 275. AN ASSY. ALSO INCLUDES SHAFT IN 8.1904.											

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 320	TYPES 344
		8.1001 - POWER TAKE-OFF ASSY.		
		INCLUDES KEY IN 8.1001 AND ITEMS IN 8.1010 THRU 8.1700 EXCEPT 8.1450.		
	5148551	POWER TAKE-OFF ASSY.		1
	5140918	* POWER TAKE-OFF ASSY.	1	
1A	5192162	KEY, 5/8"X4 1.4" L.		1
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	12	12
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		12
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)		8
1A	103321	LOCKWASHER, 3/8" (12.9200)	12	20
		* NOT SERVICED, COMPONENTS OF POWER TAKE-OFF ASSY., SERVICED BY COTTA TRANSMISSION CO., ROCKFORD, ILL.		
		8.1010 - HOUSING, CLUTCH		
1A	5199890	HOUSING (SAE #4)		1
		8.1017 - CLUTCH ASSY.		
		A CLUTCH ASSY. INCLUDES ITEMS IN 8.1030, 8.1080, 8.1100, 8.1135, 8.1142, 8.1144, 8.1145, 8.1285, 8.1295, 8.1315.		
	5196457	CLUTCH ASSY. (10")		1
1A	5193449	KEY (3/8"X1/2"X1 7/8")		1
		8.1018 - RING, CLUTCH DRIVING		
	5192180	RING (10")		1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	8	
	103321	LOCKWASHER, 3/8" (12.9200)	8	
		8.1030 - FACING, CLUTCH		
1A	5192182	FACING (3 SEGMENTS)		1
		8.1060 - COVER, CLUTCH HOUSING INSPECTION HOLE		
1A	5149358	COVER		1
1A	131375	SCREW, 1/4"-20X3/8" RD. HD. SL. (12.9001)		1

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 320	344
		8.1070 - GASKET, CLUTCH HOUSING INSPECTION HOLE COVER		
1A	5192415	GASKET		1
		8.1080 - PLATE, CLUTCH PRESSURE		
1A	5194294	PLATE (INNER) (INCLUDE LOCK IN 8.1145)		1
	179789	BOLT, 1/4"-20X3/8" (12.9001)		1
	114604	LOCKWASHER, 1/4" EXT. TOOTH (12.9210)		1
		8.1100 - SPRING, CLUTCH TOGGLE LEVER		
1A	5194138	SPRING		1
		8.1135 - SPRING, CLUTCH PRESSURE PLATE RETURN		
1A	5193431	SPRING (COIL)		3
		8.1142 - LEVER, CLUTCH RELEASE YOKE		
1A	5194140	LEVER		3
1A	5193422	PIN		3
1A	5192142	RING, RETAINING		3
		8.1144 - NUT, CLUTCH ADJUSTING		
1A	5197883	NUT, 7 1/2"-16		1
1A	5197882	PLATE, WEAR		1
		8.1145 - LOCK, CLUTCH ADJUSTING NUT		
1A	5196867	LOCK		1
		8.1270 - SHAFT, CLUTCH RELEASE		
1A	5193626	SHAFT		1
	5190957	FITTING, 1/2" LUBE		2
		8.1275 - YOKE, CLUTCH RELEASE		
		A YOKE ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1275.		
1A	5192150	YOKE ASSY.		1

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 320	TYPES 344
		8.1275 - YOKE, CLUTCH RELEASE (CONT'D)		
	113782	KEY, 1/4"X1" WOODRUFF (12.9350)		2
1A	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		2
1A	103321	LOCKWASHER, 3/8" (12.9200)		2
		8.1285 - SLEEVE, CLUTCH RELEASE		
1A	5193432	SLEEVE		1
		8.1295 - COLLAR, CLUTCH RELEASE		
		A COLLAR ASSY. INCLUDES ITEMS IN 8.1295.		
1A	5196716	COLLAR ASSY.		1
1A	100018	BOLT, 5/16"-24X2" (12.9001)		2
1A	214279	NUT, 5/16"-24 LOCK		2
		8.1315 - LINK, CLUTCH RELEASE YOKE		
1A	5193421	LINK		6
1A	5193420	PIN, 5/16"X11/16" CLEVIS		6
	5192176	RING, RETAINING		6
		8.1318 - COVER, CLUTCH RELEASE YOKE LUBRICATION		
	5193621	COVER		1
	132830	SCREW ASSY. (SOLENOID) (12.9025)		2
		8.1320 - HOSE, CLUTCH RELEASE BEARING		
1A	273347	FITTING, 1/8" LUBE (12.9540)		1
		8.1450 - BEARING, CLUTCH PILOT		
	906986	BEARING		1
		8.1455 - FITTING, CLUTCH PILOT BEARING GREASE		
	191758	FITTING, 1/8" LUBE (12.9540)		1

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 320	TYPES 344
		8.1470 - LEVER, CLUTCH HAND CONTROL		
		A LEVER ASSY. INCLUDES BOLT AND LOCKWASHER IN 8.1470.		
1A	5193627	LEVER ASSY.		1
1A	186678	BOLT, 3/8"-16X1 1/2" (12.9001)		1
1A	103321	LOCKWASHER, 3/8" (12.9200)		1
		8.1670 - SHAFT, CLUTCH DRIVE		
1A	5199893	SHAFT		1
	5192154	LOCKWASHER		1
	5192153	NUT		1
		8.1680 - BEARING, CLUTCH DRIVE SHAFT		
1A	903212	BEARING		2
	5199896	RING, SNAP (2.37"O.D.)		2
		8.1690 - RETAINER, CLUTCH DRIVE SHAFT BEARING		
1A	5192149	RETAINER		1
		8.1695 - SPACER, CLUTCH DRIVE SHAFT BEARING RETAINER		
	5199891	SPACER		1
		8.1700 - LOCK, CLUTCH DRIVE SHAFT BEARING RETAINER		
1A	3223379	LOCK		1
	179812	BOLT, 5/16"-18X1 1/2" (12.9001)		1
	103320	LOCKWASHER, 5/16" (12.9200)		1
		8.1895 - SUPPORT, POWER TAKE-OFF		
	5141064	SUPPORT	1	
	5143369	SHIM, 3/16"	1	
	5140392	SHIM (.005")	1	
	5175223	SHIM (.062")	1	
	5175224	SHIM (.031")	1	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	6	
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)	4	

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8.1000A POWER TAKE-OFF AND/OR CLUTCH

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 320	TYPES 344
		8.1895 - SUPPORT, POWER TAKE-OFF (CONT'D)		
	103343	WASHER, 1/2" (12.9190)	4	
	103323	LOCKWASHER, 1/2" (12.9200)	10	
	123263	NUT, 1/2"-13 (12.9120)	4	

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8.3000A TORQUE CONVERTER

8.3001 - CONVERTER ASSY., TORQUE

TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH D.D.A. SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTION. COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN ALLISON PARTS CATALOGS SA-1039 FOR 200, 300 SERIES AND SA-1116 FOR 400 SERIES.

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 232	297	299	300	306	359	362	378	386	394	396	423
	NPN	CONVERTER ASSY. (CUSTOMER FURNISHED)									1			
	6758586	CONVERTER ASSY. (TCRD-246)	1											
	5127243	* CONVERTER ASSY. (FULLER MODEL 12T)		1										
	6758048	CONVERTER ASSY. (TCA-328)			1									
	6769970	& CONVERTER ASSY. (TC-327) (TYPE 394)				1								
	5113404	% CONVERTER ASSY. (TCDA-377)					1							
	5133278	@ CONVERTER ASSY. (TCD-327)						1						
	6769874	CONVERTER ASSY. (TCA-327)							1					
	6775642	CONVERTER ASSY. (TCDOA-435)								1				
	6778205	CONVERTER ASSY. (TC-357)										1		
	5137978	+ CONVERTER ASSY. (TCD-354)											1	
	5140430	# CONVERTER ASSY. (TCDA-377)												1
	849330	CAP, TACHOMETER DRIVE ADAPTOR								1				1
	5107931	WASHER, TACHOMETER ADAPTOR (7.4457)								1				1
	6756659	ORIFICE, PLUG (.312" DIA.) (8.3010)												1
	9409079	BOLT, 3/8"-16X7/8" (12.9001)		6										
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		12										12
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	12		12	12	12	12				12	12	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)								11				
	103321	LOCKWASHER, 3/8" (12.9200)	12		12	12	12	12	12			12	12	12
	103322	LOCKWASHER, 7/16" (12.9200)								11				

* FOR REPLACEMENT PARTS CONTACT FULLER MFG. CO., KALAMAZOO, MICHIGAN, OR THEIR NEAREST OUTLET. FURNISH THEIR ASSY. PART NUMBER SHOWN IN PARENTHESES.

& NOT SERVICED, COMPONENTS ARE AVAILABLE. FOR A COMPLETE REPLACEMENT USE TYPE SHOWN IN PARENTHESES.

% INCLUDES 6756755 CONVERTER PLUS OPTION #137. CONVERT TO TYPE 423 FOR COMPLETE REPLACEMENT.

@ INCLUDES 6769970 CONVERTER PLUS OPTION #137. CONVERT TO TYPE 450 FOR COMPLETE REPLACEMENT.

\+ INCLUDES 6774949 CONVERTER PLUS OPTION #120.

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2332	2297	2999	3000	3006	3059	3662	3778	3886	3944	3968	4223
		8.3001 - CONVERTER ASSY., TORQUE (CONT'D)												
		# INCLUDES 6774946 CONVERTER PLUS OPTION #137.												
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
	5126974	* GOVERNOR (GC838-AR1)			1		1							
	5137807	* GOVERNOR (GC6995)									1			
	5125400	* GOVERNOR (GC842-R2)								1				
	5110622	* GOVERNOR (GC815-R3)												1
	5164294	SPACER (13/32"X7/8"X1/8") (7.1581)									2			
	5184098	LEVER, GOVERNOR SPEED CONTROL			1		1			1				
	5147640	LEVER, GOVERNOR SPEED CONTROL (3.3110)												1
	5182881	TUBE ASSY., FLEXIBLE (3/16"I.D.X14") (TO TORQUE CONVERTER) (7.4074)			1		1			1				1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)			1		1							
	5166265	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (RESTRICTED)			1		1			1				1
	141539	BUSHING, 1/4"-1/8" RED. PIPE (12.9570)			1		1			1				
	189060	BUSHING, 3/4"-1/4" RED. PIPE (12.9570)			1		1			1				1
	2094272	TEE, 1/8" PIPE (7.4586)								1				
	186647	BOLT, 1/4"-20X1" (12.9001)			1		1			1				1
	5148437	BOLT AND LOCKWASHER ASSY. (2.3260)			4		4			4				4
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)									2			
	103319	LOCKWASHER, 1/4" (12.9200)			1		1			1				1
	103320	LOCKWASHER, 5/16" (12.9200)			4		4							4
	103321	LOCKWASHER, 3/8" (12.9200)									2			
	117049	NUT, 3/8"-24 (12.9120)									2			
		* NOT SERVICED BY D.D.A., PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.												
		8.3083 - BRACKET, TORQUE CONVERTER OUTPUT SHAFT GOVERNOR												
	5136319	BRACKET									1			
	186312	BOLT, 3/8"-24X4" (12.9001)									3			
	103321	LOCKWASHER, 3/8" (12.9200)									3			

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8.3000A TORQUE CONVERTER

PART NUMBER	NAME AND DESCRIPTION	TYPES 232	297	299	300	306	359	362	378	386	394	396	423
	8.3270 - SUPPORT, TORQUE CONVERTER												
5125807	SUPPORT, L.H.					1							
5125808	SUPPORT, R.H.					1							
5174895	SHIM (.060") (11.1080)					AR							
181431	BOLT, 1/2"-20X1 1/2" (12.9001)					10							
103323	LOCKWASHER, 1/2" (12.9200)					10							
103028	NUT, 1/2"-20 (12.9120)					10							

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 448	450	464
		8.3001 - CONVERTER ASSY., TORQUE			
		TORQMATIC CONVERTER ASSEMBLIES ARE AVAILABLE THROUGH D.D.A. SALES DEPARTMENT, C/O MANAGER, ENGINE DISTRIBUTION. COMPONENTS OF ALLISON TORQMATIC CONVERTER ASSEMBLIES ARE SHOWN IN ALLISON PARTS CATALOGS SA-1039 FOR 200, 300 SERIES AND SA-1116 FOR 400 SERIES.			
	NPN	CONVERTER ASSY. (CUSTOMER FURNISHED)			1
	5140428	= CONVERTER ASSY. (TCDOA-377)	1		
	5140434	* CONVERTER ASSY. (TCD-357)		1	
	849330	CAP, TACHOMETER DRIVE ADAPTOR	1		
	5107931	WASHER, TACHOMETER ADAPTOR (7.4457)	1		
	5138360	PLUG, ORIFICE (.375"I.D.) (TORQUE CONVERTER OUTLET)	1		
	2094272	TEE, 1/8" PIPE (7.4586)	1		
	444260	TEE, 1/2" PIPE (12.9616)	1		
	144050	BUSHING (12.9570)	1		
	144034	BUSHING (12.9470)	1		
	6832907	PLATE, NAME	1	1	
	192413	SCREW, #4X1/4" DRIVE (12.9067)	4	4	
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	12		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		12	
	103321	LOCKWASHER, 3/8" (12.9200)	12	12	
		= INCLUDES 6774951 CONVERTER PLUS OPTION #137.			
		* INCLUDES 6778205 CONVERTER PLUS OPTION #137.			
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT			
		SEE ASSEMBLY BREAKDOWN PAGE A1.			
	5125400	* GOVERNOR (GC842-R1)	1		
	5147640	LEVER, GOVERNOR SPEED CONTROL (3.3110)	1		
	5182881	TUBE ASSY., FLEXIBLE (3/16"I.D.X14") (TO TORQUE CONVERTER) (7.4074)	1		
	5166265	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (RESTRICTED)	1		
	141539	BUSHING, 1/4"-1/8" RED. PIPE (12.9570)	1		
	2094272	TEE, 1/8" PIPE (7.4586)	1		
	186647	BOLT, 1/4"-20X1" (12.9001)	1		
	5148437	BOLT AND LOCKWASHER ASSY. (2.3260)	4		

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 448	450	464
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT (CONT'D)			
	103319	LOCKWASHER, 1/4" (12.9200)	1		
	103320	LOCKWASHER, 5/16" (12.9200)	4		
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.			
		8.3270 - SUPPORT, TORQUE CONVERTER			
	5125807	SUPPORT, L.H.			1
	5125808	SUPPORT, R.H.			1
	5174895	SHIM (.060") (11.1080)			AR
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)			10
	103323	LOCKWASHER, 1/2" (12.9200)			10
	103028	NUT, 1/2"-20 (12.9120)			10

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3077 - GOVERNOR, TORQUE CONVERTER OUTPUT SHAFT														
	5126974	* GOVERNOR ASSY. (TORQUE CONVERTER MOUNTED)	1													
	5137807	* GOVERNOR ASSY.		1												
	5125400	* GOVERNOR ASSY.			1											
	5110622	* GOVERNOR ASSY. (TORQUE CONVERTER MOUNTED)				1										
		* SHOWN FOR COMPONENT REFERENCE ONLY														
		8.3370 - BODY, GOVERNOR														
7A	5195555	* BODY (G9042-136)	1		1	1										
	5198623	* BODY (G9042-180)		1												
	5145009	PLUG, 1/8" PIPE (12.9550)		1												
	5195556	* PLUG (1/4" DIA. X 1/4"L) (G11825)	1			1										
	2156249	* SCREW, BUFFER (G5113-1) (8.3465)	1													
	5196099	* SPRING, BUFFER (SN1481) (8.3465)	1													
	5195596	* CUP, OIL (X495)		1												
	5197813	* TAG, OIL LEVEL (X1945)		1												
	5197851	* TAG, OIL CUP (X4207)		1												
	5195597	* OILER (X2054)		1												
	120613	NUT, 1/4"-28 (BUFFER SCREW LOCK) (12.9120)	1													
	123298	BOLT, 1/4"-28X3/8" (12.9001)				1										
	5195569	* WASHER, 1/4" COPPER (X923) (8.3475)				1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.														
		8.3380 - BASE, GOVERNOR														
	5195553	* BASE (G11330)	1		1	1										
	5197805	* BASE (G11314-1)		1												
	147112	SCREW, #10-24X3/4" (12.9027)		4		4										
7A	5197271	* BOLT, #10-24X3/4" (SOC. HD.)	4		4											
	120217	LOCKWASHER, #10 (12.9200)	4	4	4	4										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.														
		8.3385 - OIL SEAL, GOVERNOR BASE														
	5197812	* SEAL (X1221)		1												
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND.														

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3385 - OIL SEAL, GOVERNOR BASE (CONT'D)														
		FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.														
		8.3390 - GASKET, GOVERNOR BODY TO BASE														
7A	**5195554**	* GASKET (X1425)	1	1	1	1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3400 - SPIDER AND SHAFT ASSY., GOVERNOR OPERATING														
7A	**5197265**	* SHAFT ASSY. (A6644)	1		1											
	5197810	* SHAFT ASSY. (A6734)		1												
	5195552	* SHAFT ASSY. (A4748)				1										
7A	**5196701**	* PIN, WEIGHT (G14007) (2.7430)	4	2	4	4										
7A	**9411504**	CLIP, WEIGHT PIN RETAINER ("C" WASHER) (2.7430)	4	2	8	4										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3405 - WEIGHT ASSY., GOVERNOR														
7A	**5196073**	* WEIGHT ASSY. (A2447)	4		4											
	5197815	* WEIGHT ASSY. (A2499)		2												
	5195551	* WEIGHT ASSY. (A2430)				4										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3410 - BEARING, GOVERNOR OPERATING SHAFT														
7A	**907045**	* BEARING (N.D. 3202L1A) (X310) (2.7430)	1	1	1	1										
7A	**274843**	* RING, SNAP (TO BASE) (X1921)	1		1	1										
7A	**274273**	* RING, SNAP (TO SHAFT) (X1290)	1		1	1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.														

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3420 - RISER, GOVERNOR														
7A	5196104	* RISER (G10813) (2.7380)	1	1	1											
	2252407	* RISER (G9846)				1										
	5196117	* RING, SNAP (X1923) (2.7350)	1	1	1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3425 - BEARING, GOVERNOR RISER THRUST														
7A	9411475	* BEARING (3 PIECE) (X1336A) (2.7460)	1	1	1	1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3430 - FORK, GOVERNOR OPERATING														
7A	5196103	* FORK (G9838) (2.7290)	1	1	1											
	2156238	* FORK (G6026)				1										
7A	5196577	* SCREW (WITH LOCKWASHER) (X1687)	2	2	2	2										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3435 - SHAFT, GOVERNOR ROCKER														
7A	5197269	* SHAFT (G14337)	1		1											
	5197811	* SHAFT (G14311)		1												
	5195572	* SHAFT (G11667)				1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3440 - BEARING, GOVERNOR ROCKER SHAFT														
7A	2156235	* BEARING (X328)	2	2	2	2										
7A	274844	RING, SNAP	2	2	2	2										
7A	2252405	PLUG (1 3/32" O.D., REVERSED CUP) (8.3370)	1			1										

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3440 - BEARING, GOVERNOR ROCKER SHAFT (CONT'D)														
	103893	PLUG, 7/8" EXPANSION (2.7230)			1											
	5196086	* WASHER (X2307) (2.7260)			1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND, INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3445 - SEAL, GOVERNOR ROCKER SHAFT OIL														
7A	2363528	* SEAL (X1566)	1	2	1	1										
7A	5195574	* RETAINER, OIL SEAL (G12211)	1	2	1	1										
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3450 - LEVER, GOVERNOR ROCKER SHAFT THROTTLE														
7A	5197267	* LEVER (G8240-1)	1		1											
	5197814	* LEVER (A6304)		1												
7A	455346	PIN, 5/32"X3/4" SPRING (12.9275)	1	2	1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3455 - BRACKET, GOVERNOR SPEED ADJUSTING SHAFT														
7A	5195557	* BRACKET (G10188-1)	1	1	1											
7A	138201	BOLT, 1/4"-20X3/4" SOC. HD. (12.9027)	2	2	2											
	108578	LOCKWASHER, 1/4" (12.9200)	2	2	2											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND IND. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3460 - LEVER, GOVERNOR SPEED ADJUSTING SPRING														
7A	5195573	* LEVER (ON ROCKER SHAFT) (G8106)	1		1											
7A	5195560	* LEVER (ON SPEED ADJUSTING SHAFT) (G8234)	1		1											

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8.3000A TORQUE CONVERTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		8.3460 - LEVER, GOVERNOR SPEED ADJUSTING SPRING (CONT'D)														
	5197807	* LEVER (G6303)		1												
	5197808	* LEVER (G8115-1)		1												
7A	**455346**	PIN, 5/32"X3/4" SPRING (12.9275)	2	2	2											
7A	**5197266**	* BOLT, EYE (1/4"-28X2") (G8748)	1	1	1											
7A	**5197270**	* BOLT, LIMIT ADJUSTING (X1032-11)	2	2	2											
	5195593	* NUT, #12-24 CROSS DRILLED (X991)		2												
7A	**103089**	NUT, #12-24 (12.9120)	2		2											
7A	**120613**	NUT, 1/4"-28 (12.9120)	2	2	2											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3465 - SPRING, GOVERNOR SPEED ADJUSTING														
7A	**5195582**	* SPRING (SN1236)	1													
	5197809	* SPRING (SN1351)		1												
	5195562	* SPRING (SN1344)			1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NO. SHOWN IN PARENTHESIS.														
		8.3470 - SHAFT, GOVERNOR SPEED ADJUSTING														
7A	**5197268**	* SHAFT (G8861)	1		1											
	5197806	* SHAFT (G11028)		1												
7A	**5195559**	* SPACER (G2608)	1	1	1											
7A	**274844**	RING, SNAP (8.3440)	1	1	1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESIS.														
		8.3475 - CONNECTION, GOVERNOR TACHOMETER SHAFT														
7A	**5195712**	* CONNECTION ASSY. (A6191)	1	1	1											
7A	**138510**	WASHER	1	1	1											
7A	**5195571**	LOCKNUT (X1114)	1	1	1											
	5195569	GASKET (X923)			1											
		* NOT SERVICED BY D.D.A. PROCURE FROM PIERCE GOV. CO. UPLAND INC. FURNISH THEIR PART NUMBER SHOWN IN PARENTHESES.														

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 123	134	138	142	157	186	193	195	199	202
		8.3800 - TUBE, CONVERTER TO OIL COOLER										
	5137685	HOSE, 13/32" X 33"								1		
	5199578	HOSE, BULK #12 (CUT L. 50") (12.8550)							1		1	
	5199578	HOSE, BULK #12 (CUT L. 37.2")										1
	9410977	ELBOW, 90 DEG. X 1/2" TUBE								1		
	9410979	ELBOW, 90 DEG. X 3/4" TUBE									1	1
	5176705	ELBOW, 3/4" TUBE, 3/4" PIPE									1	
	118757	ELBOW, 90 DEG. FL. TUBE (12.9390)								1		
	142767	BUSHING, 3/4" X 3/8" RED. (12.9570)								1		
	274249	SEAL O'RING, 3/4" TUBING O.D. (12.9437)									1	1
	5199916	FITTING, #12 BULK HOSE (STRAIGHT) SWIVEL (12.8552)							2			2
	9402711	ADAPTOR, 3/4" P.T. TUBE (12.9415)							1	1		1
		8.3818 - TUBE, OIL COOLER TO CONVERTER										
	5182896	HOSE, FLEX. (5/8"I.D.X47 9/16"L.)				1						
	5182900	HOSE, FLEX. (5/8"I.D.X53 3/16"L.)	1									
	5177665	HOSE, FLEX. (5/8"I.D.X56 1/4"L.)					1					
	5123315	HOSE, FLEX. (13/32" I.D. X 41")								1		
	5187150	HOSE, FLEX. (5/8"I.D.X58 1/4"L.)		1								
	5199578	HOSE, BULK #12 (CUT L. 50") (12.8550)							1		1	1
	5199916	FITTING, #12 BULK HOSE ST. SWIVEL (12.8552)							2			
	9402711	ADAPTOR, 3/4" NPTF FL. TUBE(12.9415)							1			
	9410977	ELBOW, 90 DEG.-1/2" TUBE (12.9391)								1		
	5176705	ELBOW (3/4" TUBE, 3/4" PIPE) (8.3800)	1	1		1	1		2			
	141621	ELBOW, 3/8" STREET 90 DEG. (12.9590)	1	1		1	1					
	5148269	ELBOW ASSY., 1/2" TUBE 90 DEG. (4.4330)							2			
	9410979	ELBOW, 90 DEG.-3/4" TUBE (12.9390)									1	
	118757	ELBOW, 90 DEG. FL. TUBE (12.9390)								1		
	142767	BUSHING, 3/4" X 3/8" RED. (12.9570)								1		
	274249	SEAL O'RING, 3/4" TUBING O.D. (12.9437)									1	1
	9402711	CONNECTOR, 3/4" TUBE, 3/4" P.T. (12.9415)									1	1
		8.3819 - CLIP, OIL COOLER TO CONVERTER TUBE										
	5157702	CLIP (4.8040)	1	3		1	1	2	1		2	3
	5146788	CLIP, 13/16" NEOPRENE								2		
	5114541	BRACKET, CLIP (7.1585)	1	1		1	1					
	5181325	BRACKET, CLIP (4.8042)								1		
	5178595	BRACKET, CLIP (2.5030)		1								
	179812	BOLT, 5/16"-18X1/2" (12.9001)		1								
	186625	BOLT, 5/16"-18 X 7/8" (12.9001)								1		
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)										1
	181360	BOLT, 3/8"-24X3/4" (12.9001)	1	2		1	1					
	103320	LOCKWASHER, 5/16" (12.9200)		1						1		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR		AR	AR					1
	117049	NUT, 3/8"-24 (12.9120)	1	2		1	1					
	102635	NUT, 3/8"-16 (12.9120)										1
	120376	NUT, 5/16"-18 (12.9120)								1		
		8.3827 - TUBE, CONVERTER TO FILTER										
	5121808	HOSE (8.3825)	1	1		1	1					
	5122417	HOSE, 5/8" I.D.X21" (9.9630)						1				
	144613	NIPPLE, 3/4"X3/8" PIPE (12.9560)	1	1		1	1					
	5177664	ADAPTOR, 3/4" FLARED TUBE						2				

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 123	134	138	142	157	188	193	195	199	202
		8.3827 - TUBE, CONVERTER TO FILTER (CONT'D)										
	179735	BUSHING, 3/4" X 1/8" RED. (12.9570)						1				
	189775	TEE, 1/2"X3/4"X3/4" RED. PIPE (12.9616)	1	1		1	1					
	147885	TEE, 3/4" PIPE ST. (12.9616)						1				
	5115214	PLUG, 1/2" PIPE (12.9550)	1	1		1	1					
		8.3828 - TUBE, FILTER TO OIL COOLER										
	5177697	HOSE, FLEX. (5/8"I.D.X20 5/8"L)				1						
	5120683	HOSE, FLEX. (5/8"I.D.X25 1/2"L)	1									
	5178023	HOSE, FLEX. (5/8"I.D.X29 1/2"L)					1					
	5113643	HOSE, FLEX. (5/8"I.D.X25 29/32"L)						1				
	5120029	HOSE, FLEX. (5/8"I.D.X36"L)		1								
	5183095	HOSE, FLEX. (5/8"I.D.X53 3/16"L)						1				
	5176705	ELBOW (3/4" TUBE, 3/4" PIPE) (8.3800)	1	1		1	1	4				

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 123	134	138	142	157	186	193	195	199	202
		8.3828 - TUBE, FILTER TO OIL COOLER (CONT'D)										
	141621	ELBOW, 3/4" STREET 90 DEG. (12.9590)	1	1		1	1					
		8.3840 - DIPSTICK, TORQUE CONVERTER										
	5148386	DIPSTICK (X-31.62", Y-.65", Z-29.94") (4.4370)							1		1	1
	5147676	DIPSTICK (X-30.38", Z-28.58") (9.4012)								1		
		8.3841 - ADAPTOR, TORQUE CONVERTER DIPSTICK										
	5148306	ADAPTOR (DEV. L. 47.19") (4.4371)							1		1	1
	5147395	ADAPTOR (9.4013)								1		
		8.3842 - CLIP, DIPSTICK TORQUE CONVERTER										
	5145492	CLIP, 3/4" I.D. 13/32" BOLT HOLE (3.5507)							1		1	1
	5151189	CLIP, 3/4" SPECIAL (4.8040)								1		
	5126358	BRACKET, ADAPTOR SUPPORT (4.6040)								1		
	179838	BOLT, 3/8"-16 X 7/8" (12.9001)								1		
	103321	LOCKWASHER, 3/8" (12.9200)								1		
	102635	NUT, 3/8"-16 (12.9120)								1		
		8.3870 - FILTER ASSY., CONVERTER OIL										
		INCLUDES ITEMS IN 8.3872 THRU 8.3876 AND 8.3884 THRU 8.3890.										
	5196393	FILTER ASSY. (9.3650)	1	1	1	1	1	1				
	179839	BOLT, 3/8"-16X1" (12.9001)	4	4	4	4	4	4				
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4				
		8.3872 - ELEMENT, CONVERTER OIL FILTER										
	5573014	ELEMENT (INCLUDES GASKET IN 4.3875) (4.2250)	1	1	1	1	1					
		8.3873 - ADAPTOR, CONVERTER OIL FILTER										
	5123382	ADAPTOR (4.2290)	1	1	1	1	1					
	5121182	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1					
		8.3874 - SHELL, CONVERTER OIL FILTER										
	5574008	SHELL (4.2280)	1	1	1	1	1					
	5573162	DECAL (4.2280)	1	1	1	1	1					
		8.3875 - GASKET, CONVERTER OIL FILTER SHELL										
	5571024	GASKET (4.2300)	1	1	1	1	1					

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8.3000B TRANSMISSION LINES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 123	134	138	142	157	186	193	195	199	202
		8.3876 - SCREW, CONVERTER OIL FILTER COVER										
	5120740	STUD (4.2410)	1	1	1	1	1					
	5187308	SPRING (4.2310)	1	1	1	1	1					
	5187309	RETAINER, SPRING (4.2315)	1	1	1	1	1					
	5187310	GASKET, RETAINER (4.2330)	1	1	1	1	1					
	5120602	RING, RETAINING SNAP (2.4227)	1	1	1	1	1					
	5154538	WASHER (1.8182)	1	1	1	1	1					
	5574130	GASKET	1	1	1	1	1					
		8.3880 - BRACKET, CONVERTER										
	5121884	BRACKET	1	1	1	1	1	1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	2	2	2	2	2					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2				
		8.3884 - VALVE, OIL FILTER PRESSURE REGULATOR										
	5133431	VALVE (4.2485)	1	1	1	1	1					
		8.3886 - SPRING, OIL FILTER PRESSURE REGULATOR										
	5133594	SPRING (4.2486)	1	1	1	1	1					
		8.3888 - PLUG, OIL FILTER PRESSURE REGULATOR										
	5126686	PLUG (4.2488)	1	1	1	1	1					
		8.3890 - GASKET, OIL FILTER PRESSURE REGULATOR PLUG										
	5575086	GASKET (4.2489)	1	1	1	1	1					

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B *Vibration Damper*
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A *Blower Drive Shaft*
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A *Oil Filter*
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 *Transmission—Rail Car*

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- :0000 Air Starter
- 12.3000 *Cold Weather Starting Aid*
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

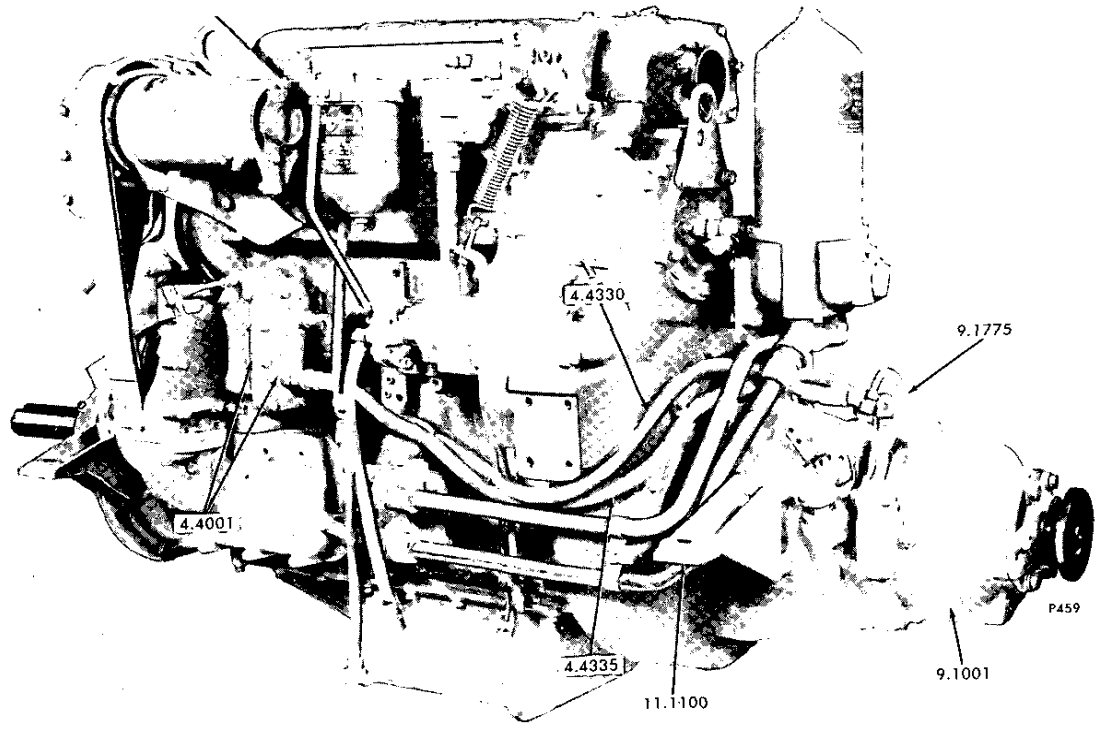


FIG. 1A TYPICAL INLINE MARINE GEAR INSTALLATION

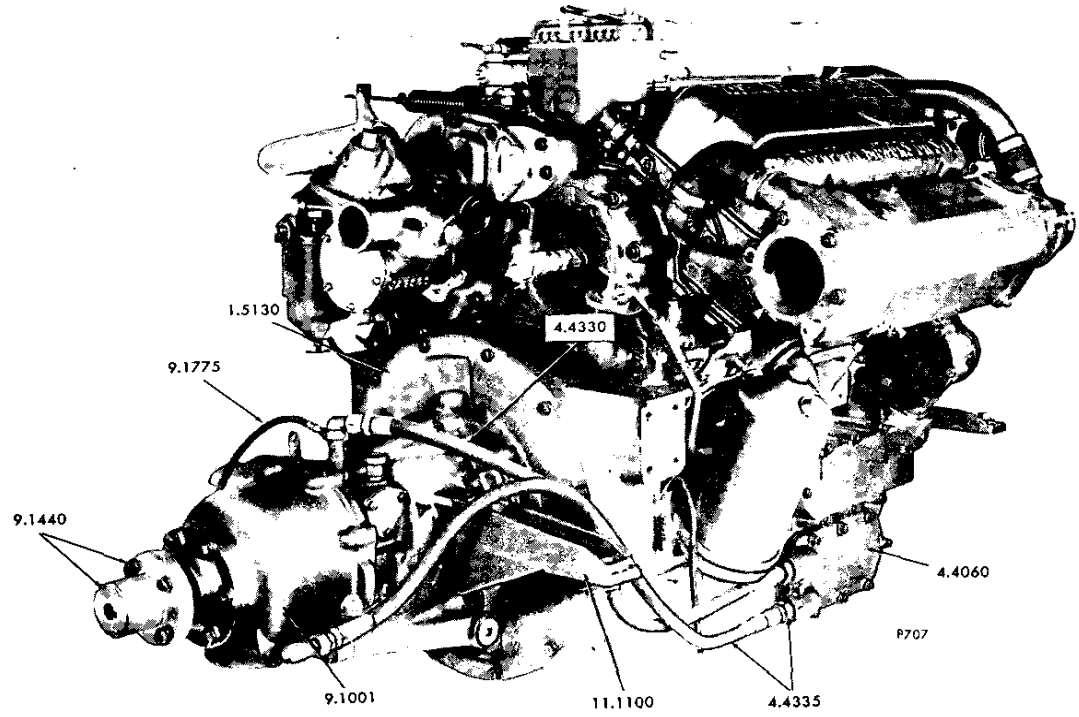


FIG. 1B TYPICAL V-53 MARINE GEAR INSTALLATION

Figs. 1A & 1B of 9.0000

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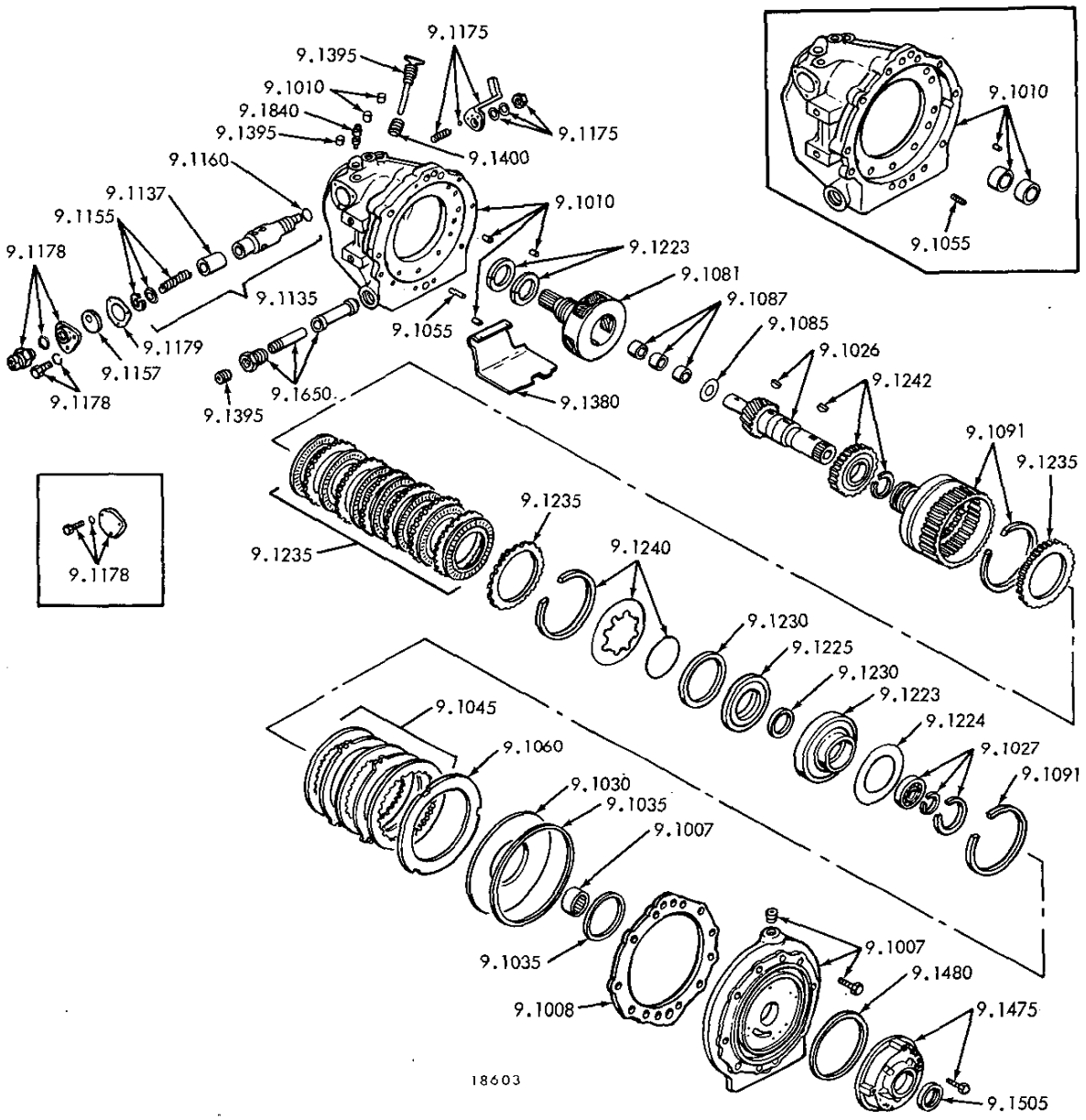


FIG. 2A HYDRAULIC MARINE GEAR (Model 71 and 72)

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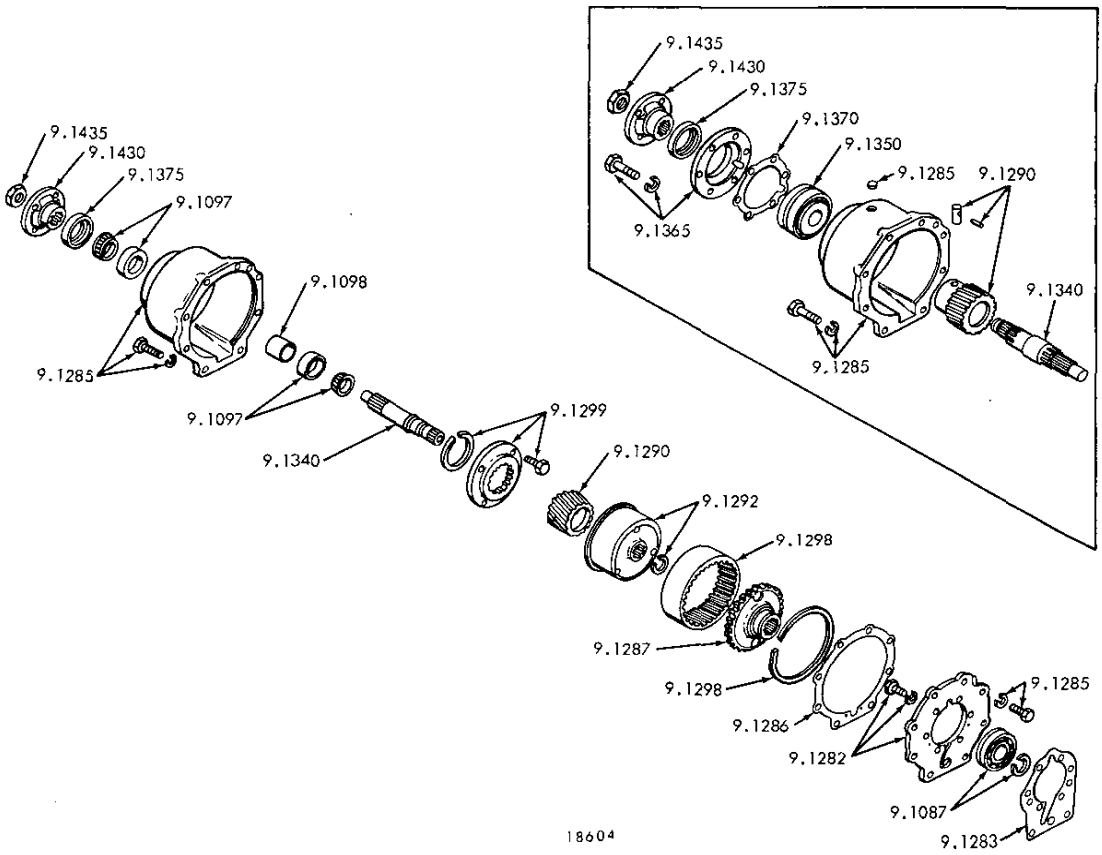


FIG.2B 1.5:1 REDUCTION GEAR (Model 71 and 72)

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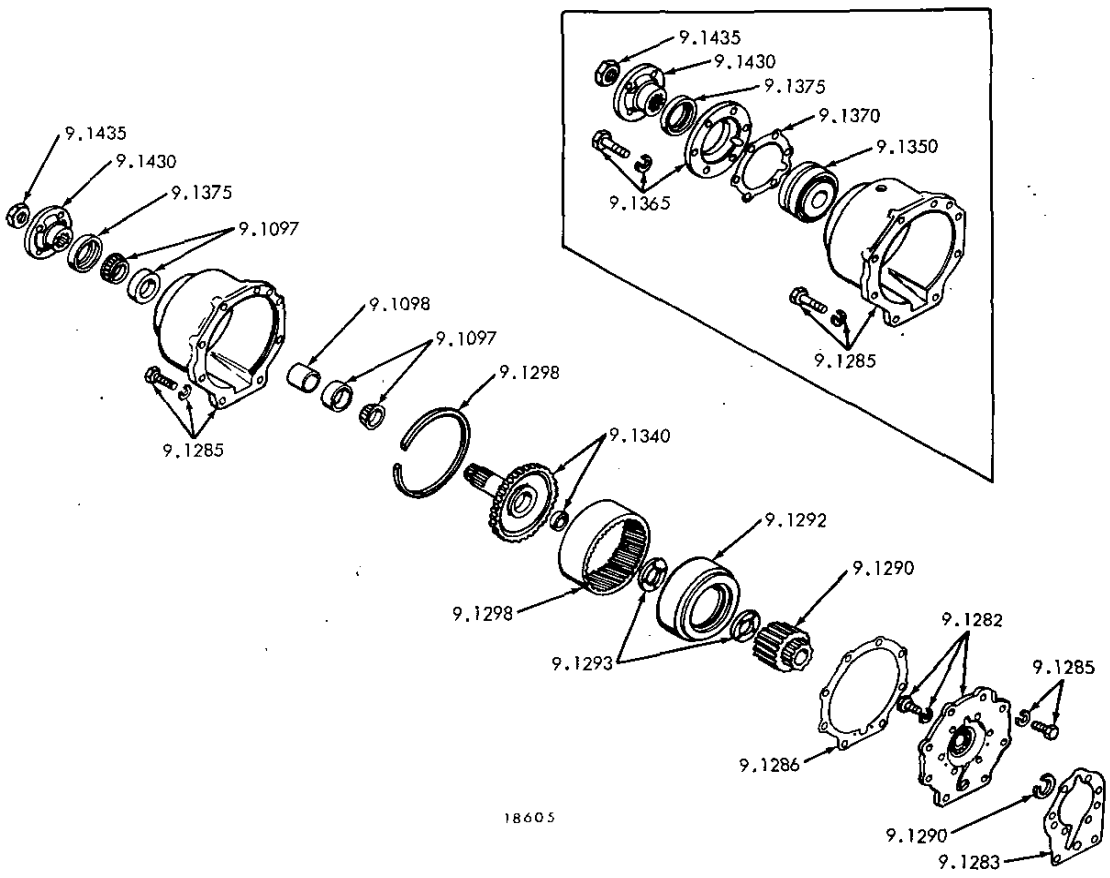


FIG. 2C REDUCTION GEAR (Model 71 and 72)

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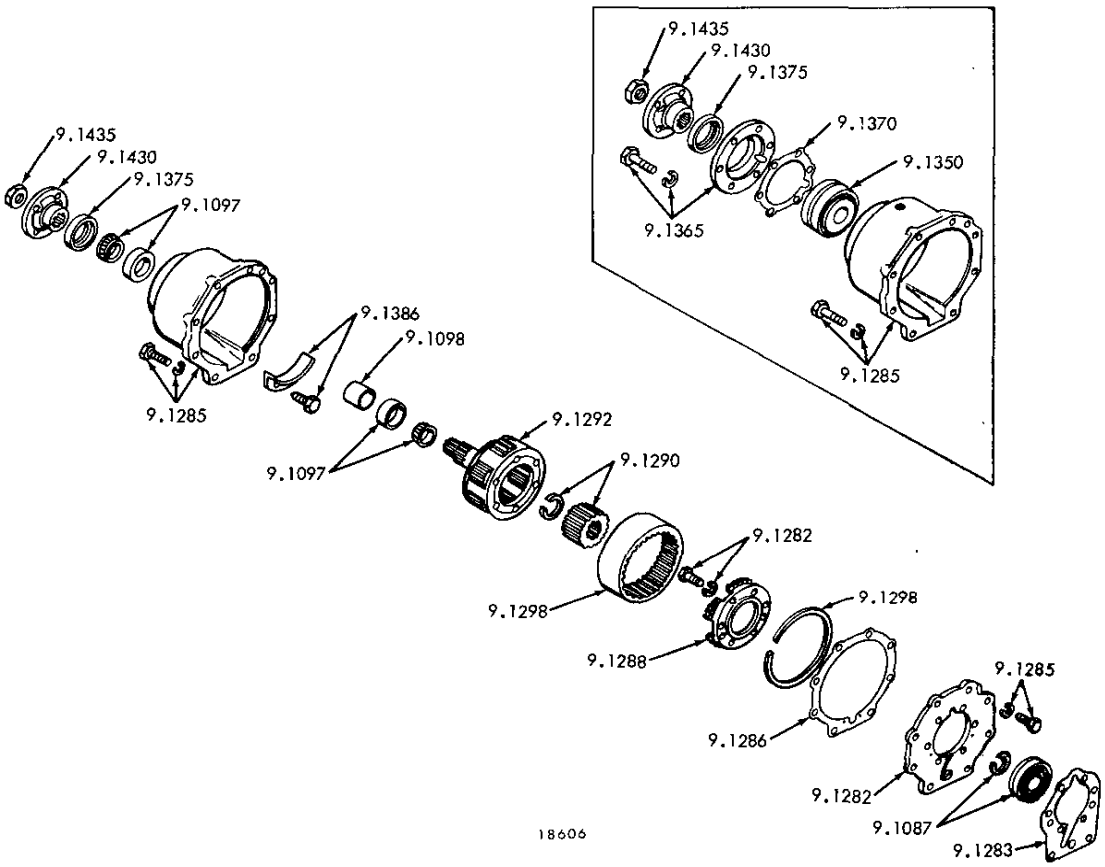


FIG. 2D 2.5:1 AND 3:1 REDUCTION GEAR (Model 71 and 72)

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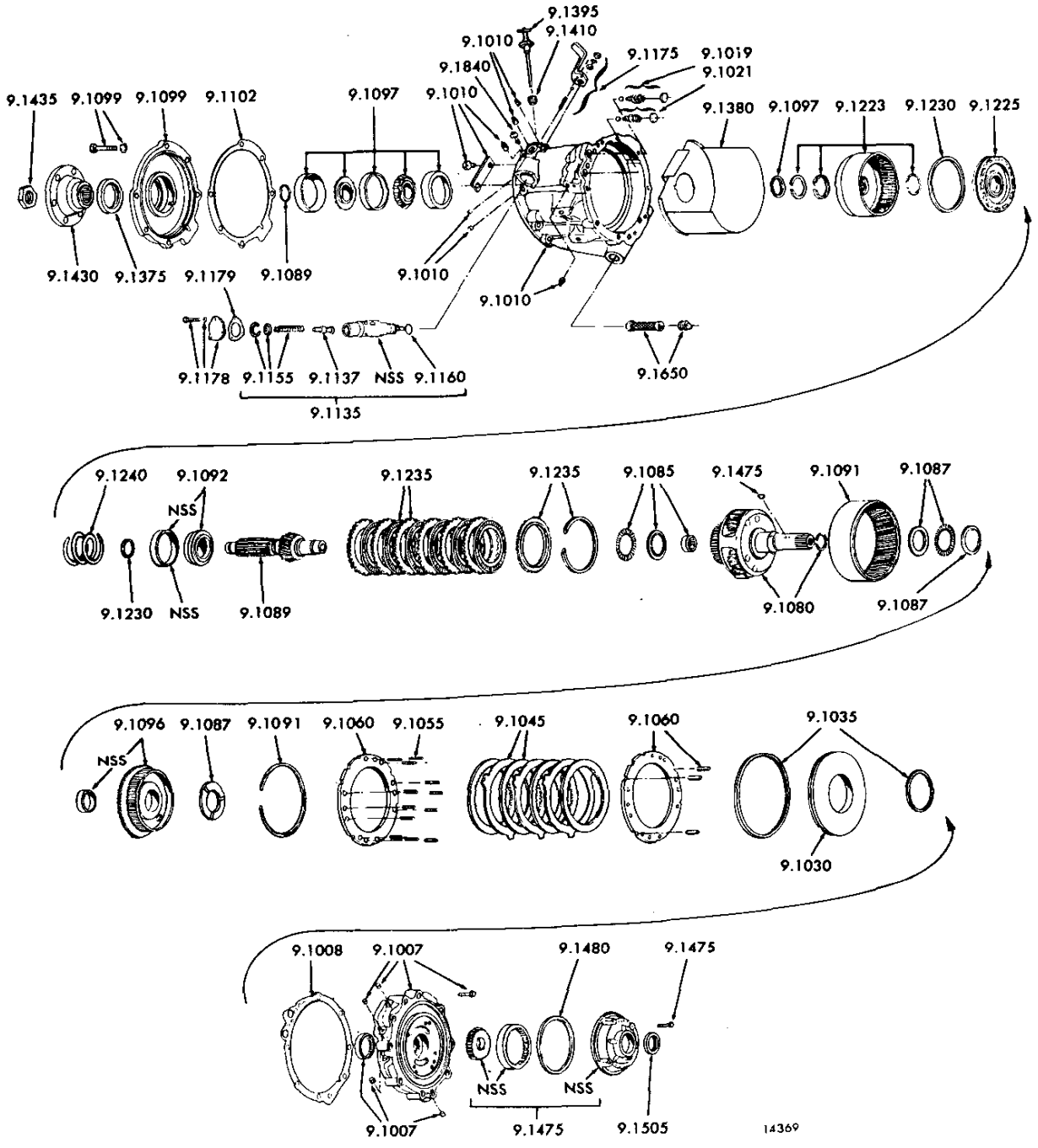


FIG. 2E HYDRAULIC MARINE GEAR - DIRECT DRIVE (Model 73)

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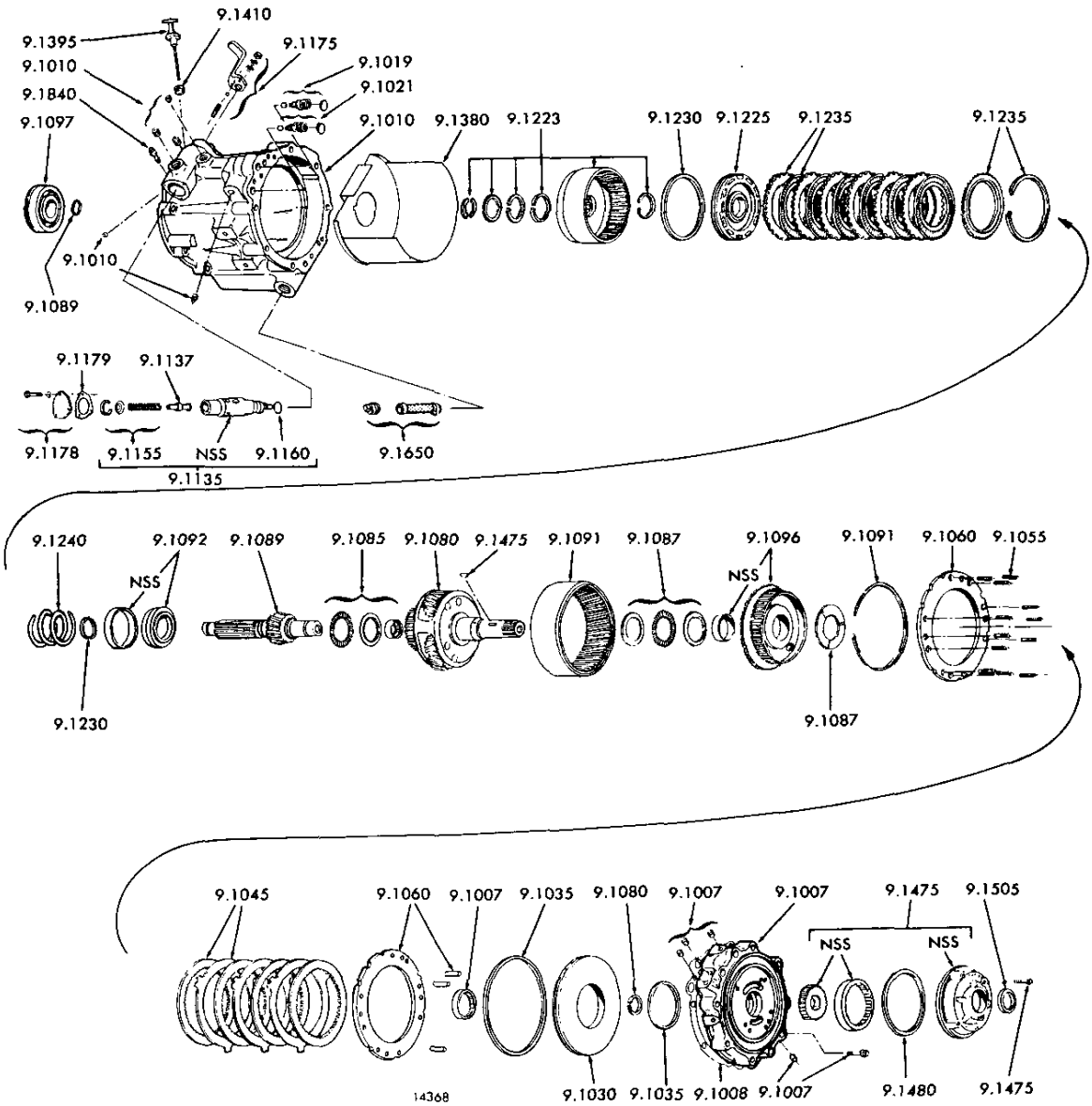


FIG. 2F HYDRAULIC MARINE GEAR -
1.5:1, 2:1 and 3:1 REDUCTION (Model 73)

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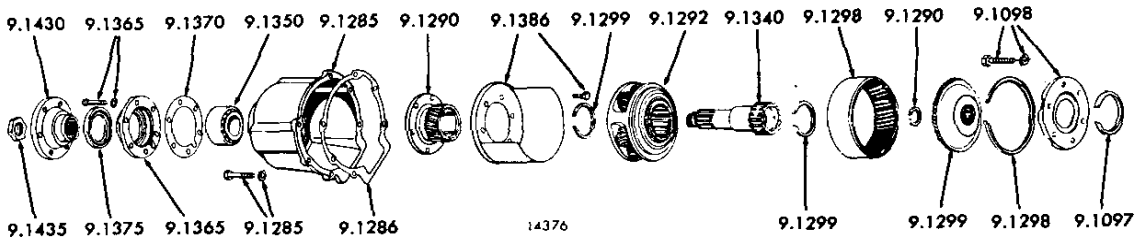


FIG. 2G 1.5:1 REDUCTION GEAR (Model 73)

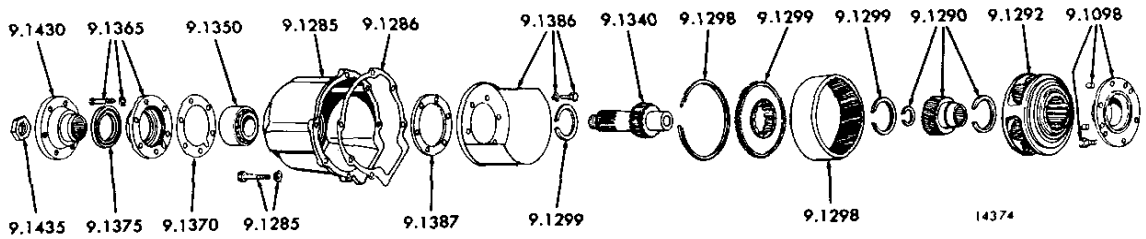


FIG. 2H 2:1 REDUCTION GEAR (Model 73)

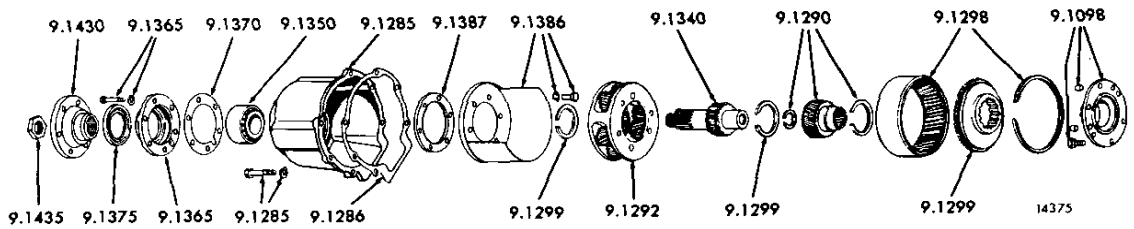


FIG. 2J 3:1 REDUCTION GEAR (Model 73)

Figs. 2G, 2H & 2J of 9.0000

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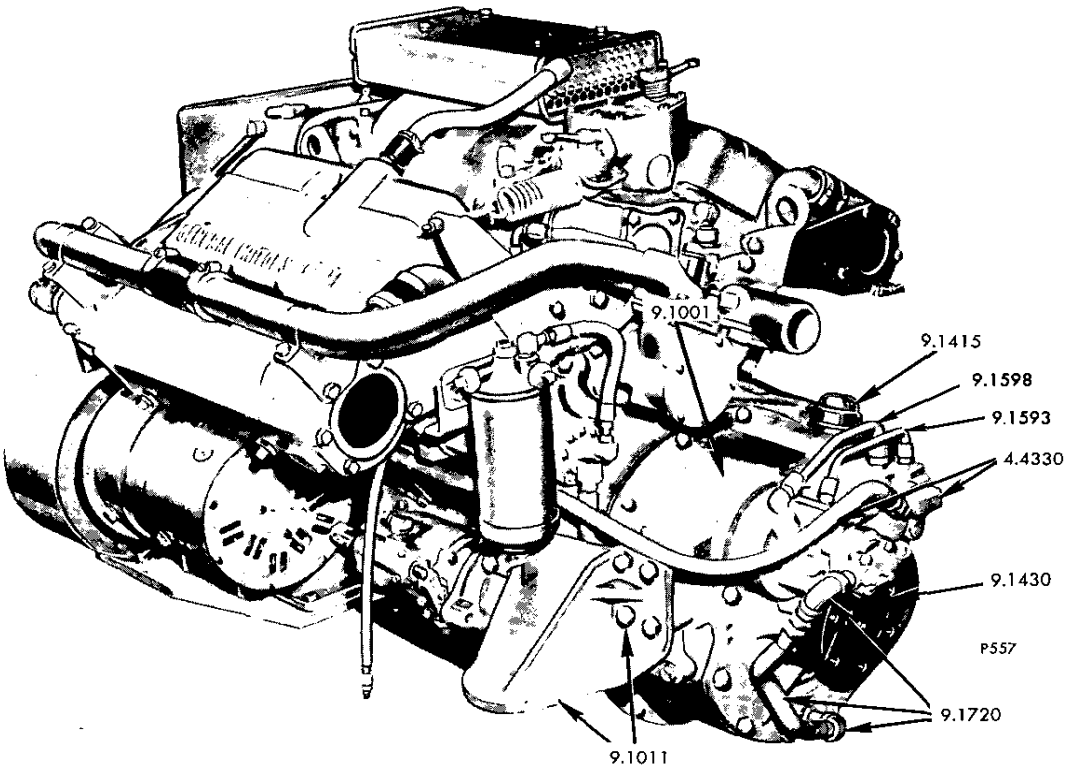


FIG. 3A TYPICAL MARINE GEAR INSTALLATION (Twin Disc Gear)

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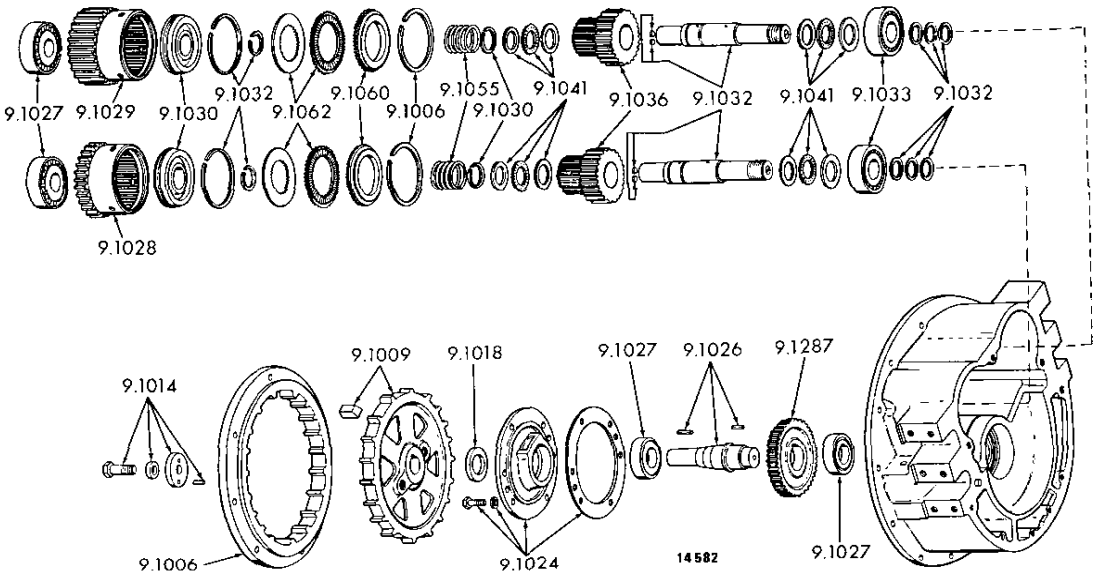


FIG. 4A MARINE GEAR (Input and Clutch - Twin Disc)

OCT., 1978 © 1978 General Motors Corp.

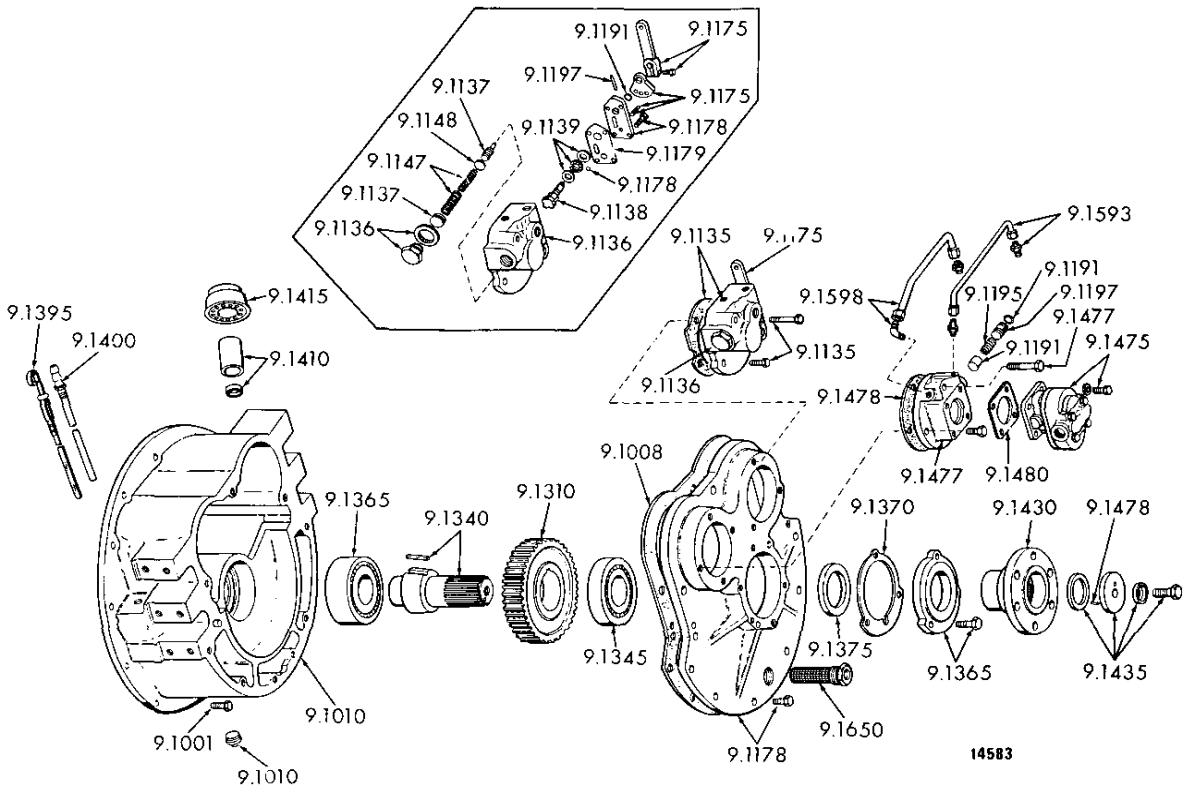


FIG. 4B MARINE GEAR (Output End, Pump and Selector Valve - Twin Disc)

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 322	323	324	325	326	327	328	329	330	331	495	496
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED.												
	5122586	# GEAR ASSY., DIRECT, L.H. (PAGE A1) AS1-71A (5106304)	1											
	5122587	# GEAR ASSY., DIRECT, R.H. (PAGE A1) AS1-71R (5106305)		1										
1A	**5122588**	# GEAR ASSY., 1.5:1, L.H. (PAGE A1) AS2-71R (5106306)			1									
1A	**5122589**	# GEAR ASSY., 1.5:1, R.H. (PAGE A1) AS2-71AR (5106307)				1								
1A	**5122590**	# GEAR ASSY., 2:1, L.H. (PAGE A1) AS3-71A (5106308)					1							
1A	**5122591**	# GEAR ASSY., 2:1, R.H. (PAGE A1) AS3-71AR (5106309)						1						
1A	**5122593**	# GEAR ASSY., 2.5:1, R.H. (PAGE A1) AS4-71AR (5106311)							1					
1A	**5122594**	# GEAR ASSY., 2.5:1, L.H. (PAGE A1) AS4-71A (5106310)								1				
1A	**5122595**	# GEAR ASSY., 3:1, R.H. (PAGE A1) AS5-71AR (5106313)									1			
1A	**5122596**	# GEAR ASSY., 3;1, L.H. (PAGE 1A) AS5-71A (5106312)										1		
1B	**5127847**	# GEAR ASSY., DIRECT, L.H. (PAGE D1) AS1-72A (5106314)											1	
1B	**5127851**	# GEAR ASSY., DIRECT, R.H. (PAGE D1) AS1-72A (5106315)												1
1B	**5170507**	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
		# NOT SERVICED, USE PART NUMBER IN PARENTHESES.												
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5128731	COUPLING	1	1	1	1	1	1	1	1	1	1		
	5126826	COUPLING											1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS AND SNAP RINGS FOR ONE COMPLETE OVERHAUL)	1	1	1	1	1	1	1	1	1	1	1	1
		+ NOT SERVICED, USE 5149636 AND 5149638.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 322	323	324	325	326	327	328	329	330	331	495	496
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).												
1B	**5122654**	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122655**	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122656**	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122657**	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5123209**	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128342**	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128343**	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128344**	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109351**	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109352**	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" COUPLING) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												
		9.1775 - TUBE, OIL PRESSURE GAGE												
1A	**5131604**	* HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. STREET (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		* UNITS THRU 3D-35664, 4D-36584, 6D-30357, INCLUDE 1-118753 ELBOW.												

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 497	498	499	500	501	502	503	504	516	517	518	519
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED.												
	5122586	# GEAR ASSY., DIRECT, L.H. (PAGE A1) AS1-71A (5106304)									1			
	5122587	# GEAR ASSY., DIRECT, R.H. (PAGE A1) AS1-71A (5106305)										1		
1A	5122588	# GEAR ASSY., 1.5:1, L.H. (PAGE A1) AS2-71A (5106306)											1	
1A	5122589	# GEAR ASSY., 1.5:1, R.H. (PAGE A1) AS2-71AR (5106307)												1
1B	5127848	# GEAR ASSY., 1.5:1, L.H. (PAGE D1) AS2-72A (5106316)	1											
1B	5127852	# GEAR ASSY., 1.5:1, R.H. (PAGE D1) AS2-72AR (5106317)		1										
1B	5126825	# GEAR ASSY., 2:1, L.H. (PAGE D1) AS3-72A (5106320)			1									
1B	5126824	# GEAR ASSY., 2:1, R.H. (PAGE D1) AS3-72AR (5106321)				1								
1B	5127849	# GEAR ASSY., 2.5:1, L.H. (PAGE D1) AS4-72A (5106322)					1							
1B	5127853	# GEAR ASSY., 2.5:1, R.H. (PAGE D1) AS4-72AR (5106323)						1						
1B	5127850	# GEAR ASSY., 3:1, L.H. (PAGE D1) AS5-72A (5106324)							1					
1B	5127854	# GEAR ASSY., 3:1, R.H. (PAGE D1) AS5-72AR (5106325)								1				
1B	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)			6	6					6	6	6	6
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)	6	6			6	6	6	6				
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		9.1003 - HOUSING, MARINE GEAR DRIVE												
	5128819	& HOUSING ASSY. (INCLUDES PINS)									1	1	1	1
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)									2	2	2	2
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)									4	4	4	4
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)									2	2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)									4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)									2	2	2	2
		& OBSOLETE.												
		9.1004 - FLANGE, MARINE GEAR DRIVE												
	5128825	* FLANGE									1	1	1	1
	5119189	CONE (1.3295)									2	2	2	2
	5180291	RETAINER (WASHER) (1.3290)									1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 497	498	499	500	501	502	503	504	516	517	518	519
		9.1004 - FLANGE, MARINE GEAR DRIVE (CONT'D)												
	271630	BOLT, 3/4"-16X1 1/2" (12.9001) ..... * OBSOLETE									1	1	1	1
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5128731	COUPLING									1	1	1	1
	5126826	COUPLING	1	1	1	1	1	1	1	1				
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS AND SNAP RINGS FOR ONE COMPLETE OVERHAUL) ..... + NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.	1	1	1	1	1	1	1	1	11	1	1	1
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4"B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).												
1B	5122654	COUPLING, 3 1/4 B.C., 1 BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109351	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" COUPLING) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 497	498	499	500	501	502	503	504	516	517	518	519
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)												
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												
		9.1775 - TUBE, OIL PRESSURE GAGE												
1A	5131604	* HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. STREET (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		* UNITS THRU 3D-35664, 4D-36584, 6D-30357, INCLUDE 1-118753 ELBOW.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 520	521	522	523	524	525	531	536	537	538	540	541
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED.												
1A	**5122590**	# GEAR ASSY., 2:1, L.H. (PAGE A1) AS3-71A (5106308)	1											
1A	**5122591**	# GEAR ASSY., 2:1, R.H. (PAGE A1) AS3-71AR (5106309)		1										
1A	**5122593**	# GEAR ASSY., 2.5:1, R.H. (PAGE A1) AS4-71AR (5106311)			1									
1A	**5122594**	# GEAR ASSY., 2.5:1, L.H. (PAGE A1) AS4-71A (5106310)				1								
1A	**5122595**	# GEAR ASSY., 3:1, R.H. (PAGE A1) AS5-71AR (5106313)					1							
1A	**5122596**	# GEAR ASSY., 3:1, L.H. (PAGE A1) AS5-71A (5106312)						1						
	5129455	# GEAR ASSY., DIRECT, L.H. (PAGE C1) AS1-71BA (5106304)							1			1		
	5129456	# GEAR ASSY., DIRECT, R.H. (PAGE C1) AS1-71BAR (5106305)								1	1			
	5129531	GEAR ASSY., DIRECT, L.H. (PAGE B1) AS1-71C (5106306)											1	
	5129536	# GEAR ASSY., DIRECT, R.H. (PAGE B1) AS1-71CR (5106305)												1
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	5134365	STUD (6.1050)							2	2	2	2	2	2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6						
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)							4	4	4	4	4	4
	456939	NUT, 7/16"-20 (12.9120)							2	2	2	2	2	2
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		9.1003 - HOUSING, MARINE GEAR DRIVE												
	5128819	* HOUSING ASSY. (INCLUDES PIN)	1	1	1	1	1	1		1		1		
	5129099	HOUSING ASSY. (INCLUDES PIN)											1	1
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	2	2	2	2	2	2		2		2	2	2
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4	4	4	4	4		4		4	4	4
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2	2	2	2	2		2		2	2	2
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4		4		4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2		2		2	2	2
		* OBSOLETE.												
		9.1004 - FLANGE, MARINE GEAR DRIVE												
	5128825	* FLANGE	1	1	1	1	1	1		1		1		
	5126794	FLANGE											1	1
	5119189	CONE (1.3295)	2	2	2	2	2	2		2		2	2	2

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9.1000A HYDRAULIC MARINE GEAR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 520	521	522	523	524	525	531	536	537	538	540	541
		9.1004 - FLANGE, MARINE GEAR DRIVE (CONT'D)												
	5180291	RETAINER (WASHER) (1.3290)	1	1	1	1	1	1		1		1	1	1
	271630	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1	1	1	1		1		1	1	1
		* OBSOLETE.												
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5128731	COUPLING	1	1	1	1	1	1	1	1	1	1		
	5129524	COUPLING											1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS AND SNAP RINGS FOR ONE COMPLETE OVERHAUL)	1	1	1	1	1	1	1	1	1	1	1	1
		+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4"B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).												
1B	5122654	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109351	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, PLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" B.C.) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 520	521	522	523	524	525	531	536	537	538	540	541
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)												
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												
		9.1775 - TUBE, OIL PRESSURE GAGE												
1A	5131604	@ HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		@ UNITS PRIOR TO 3D-35665, 4D-36585, 6D-30358, INCLUDE 1-118753 ELBOW.												

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 542	543	544	545	546	547	548	549	550	551	552	553
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED.												
1A	**5129531**	# GEAR ASSY., DIRECT, L.H. (PAGE B1) AS1-71C (5106304)									1			
1A	**5129536**	# GEAR ASSY., DIRECT, R.H. (PAGE B1) AS1-71CR (5106305)										1		
1A	**5129532**	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE B1) AS2-71C (5106306)	1										1	
1A	**5129537**	# GEAR ASSY., 1.5:1 RED., R.H. (PAGE B1) AS2-71CR (5106307)		1										1
1A	**5129533**	# GEAR ASSY., 2:1 RED., L.H. (PAGE B1) AS3-71C (5106308)			1									
1A	**5129538**	# GEAR ASSY., 2:1 RED., R.H. (PAGE B1) AS3-71CR (5106309)				1								
1A	**5129534**	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE B1) AS4-71C (5106310)					1							
1A	**5129539**	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE B1) AS4-71CR (5106311)						1						
1A	**5129535**	# GEAR ASSY., 3:1 RED., L.H. (PAGE B1) AS5-71C (5106312)							1					
1A	**5129540**	# GEAR ASSY., 3:1 RED., R.H. (PAGE B1) AS5-71CR (5106313)								1				
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	5134365	STUD (6.1050)									2	2		
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	4	4	6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
	456939	NUT, 7/16"-20 (12.9120)									2	2		
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		9.1003 - HOUSING, MARINE GEAR DRIVE												
	5129099	HOUSING ASSY. (INCLUDES PIN)	1	1	1	1	1	1	1	1				
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)	2	2	2	2	2	2	2	2				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4	4	4	4	4	4	4				
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	2	2	2	2	2	2	2	2				
	103321	LOCKWASHER, 3/8" (12.9200)	4	4	4	4	4	4	4	4				
	103322	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2	2	2	2				
		9.1004 - FLANGE, MARINE GEAR DRIVE												
	5126794	+ FLANGE	1	1	1	1	1	1	1	1				
	5119189	CONE (1.3295)	2	2	2	2	2	2	2	2				
	5180291	RETAINER (WASHER) (1.3290)	1	1	1	1	1	1	1	1				
	271630	BOLT, 3/8"-16X1 1/2" (12.9001)	1	1	1	1	1	1	1	1				
		+ OBSOLETE.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5402	5403	5404	5405	5406	5407	5408	5409	5500	5501	5502	5503
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5129524	COUPLING	1	1	1	1	1	1	1	1	1	1	1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS AND SNAP RINGS FOR ONE COMPLETE OVERHAUL)	1	1	1	1	1	1	1	1	1	1	1	1
		+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4"B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).												
1B	**5122654**	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122655**	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122656**	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122657**	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5123209**	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128342**	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128343**	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128344**	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109351**	@ COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109352**	@ COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" B.C. COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		@ PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												

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9.1000A HYDRAULIC MARINE GEAR

9.1775 - TUBE, OIL PRESSURE GAGE

	PART NUMBER	NAME AND DESCRIPTION	TYPES 542	543	544	545	546	547	548	549	550	551	552	553
1A	**5131604**	* HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		* UNITS PRIOR TO 3D-35665, 4D-36585, 6D-30358, INCLUDE 1-118753 ELBOW.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 554	555	556	557	558	559	566	567	569	571	574	576
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED.												
1A	**5129533**	# GEAR ASSY., 2:1 RED., L.H. (PAGE B1) AS3-71C (5106308)	1											
1A	**5129538**	# GEAR ASSY., 2:1 RED., R.H. (PAGE B1) AS3-71CR (5106309)		1										
1A	**5129534**	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE B1) AS4-71C (5106310)			1									
1A	**5129539**	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE B1) AS4-71CR (5106311)				1								
1A	**5129535**	# GEAR ASSY., 3:1 RED., L.H. (PAGE B1) AS5-71C (5106312)					1							
1A	**5129540**	# GEAR ASSY., 3:1 RED., R.H. (PAGE B1) AS5-71CR (5106313)						1						
1B	**5108252**	# GEAR ASSY., 2:1 RED., L.H. (PAGE E1) AS13-72 (5106320)							1				1	
1B	**5108257**	# GEAR ASSY., 2:1 RED., R.H. (PAGE E1) AS13-72R (5106321)								1				
1B	**5108250**	# GEAR ASSY., DIRECT, L.H. (PAGE E1) AS11-72 (5106314)									1			
1B	**5108255**	# GEAR ASSY., DIRECT, R.H. (PAGE E1) AS11-72R (5106315)										1		
1A	**5108258**	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE E1) AS14-72R (5106323)												1
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6			6		6	6
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)							6	6		6		
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5129524	COUPLING	1	1	1	1	1	1						
	5126826	COUPLING							1	1	1	1		
	5128731	COUPLING											1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKET & SNAP RINGS FOR ONE COMPLETE OVERHAUL)	AR	AR	AR	AR	AR	AR	ARR	AR	AR	AR	AR	AR
		+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 554	555	556	557	558	559	566	567	569	571	574	576
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		SOME GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).												
1B	5122654	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122655	COUPLING, 3 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5123209	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108402	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108403	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108404	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5108273	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5109351	* COUPLING, 3 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109350	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" COUPLING) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 554	555	556	557	558	559	566	567	569	571	574	576
		9.1775 - TUBE, OIL PRESSURE GAGE												
1A	**5131604**	* HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		* UNITS PRIOR TO 3D-35665, 4D-36585, 6D-30358, INCLUDE 1-118753 ELBOW.												

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 577	578	579	580	581	582	583	584	585	586	587	588
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		REFER TO ASSEMBLY BREAKDOWN AS INDICATED.												
1A	**5108254**	# GEAR ASSY., 3:1 RED., L.H. (PAGE E1) AS15-72 (5106324)	1											
1A	**5108253**	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE E1) AS14-72 (5106322)		1										1
1A	**5108257**	# GEAR ASSY., 2:1 RED., R.H. (PAGE E1) AS13-72R (5106321)			1									
1A	**5108259**	# GEAR ASSY., 3:1 RED., R.H. (PAGE E1) AS15-72R (5106325)				1								
1A	**5129547**	# GEAR ASSY., 2:1 RED., L.H. (PAGE F1) AS13-72C (5106320)					1							
1A	**5129548**	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE F1) AS14-72C (5106321)						1						
1A	**5129549**	# GEAR ASSY., 3:1 RED., L.H. (PAGE F1) AS15-72C (5106324)							1					
1A	**5129552**	# GEAR ASSY., 2:1 RED., R.H. (PAGE F1) AS13-72CR (5106321)								1				
1A	**5129553**	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE F1) AS14-72CR (5106323)									1			
1A	**5129554**	# GEAR ASSY., 3:1 RED., R.H. (PAGE F1) AS15-72CR (5106325)										1		
1B	**5108251**	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE E1) AS12-72 (5106316)											1	
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6		
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)											6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5129524	COUPLING					1	1	1	1	1	1		
	5126826	COUPLING											1	1
	5128731	COUPLING	1	1	1	1								
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKET & SNAP RINGS FOR ONE COMPLETE OVERHAUL)	AR	AR	AR	AR	AR	AR	ARR	AR	AR	AR	AR	AR
		+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 577	578	579	580	581	582	583	584	585	586	587	588
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
		SOME GEAR ASSEMBLIES (SEE CHART) COME WITH A 3 1/4" B.C. FLANGE; TO USE A COUPLING WITH 4 1/4" BOLT CIRCLE, FLANGE MUST BE CHANGED (SEE 9.1430).												
1B	**5122654**	COUPLING, 3 1/4"B.C., 1" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122655**	COUPLING, 3 1/4"B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122656**	COUPLING, 3 1/4"B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5122657**	COUPLING, 3 1/4"B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5123209**	COUPLING, 3 1/4"B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128342**	COUPLING, 4 1/4"B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128343**	COUPLING, 4 1/4"B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128344**	COUPLING, 4 1/4"B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5108402**	COUPLING, 4 1/4"B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5108403**	COUPLING, 4 1/4"B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5108404**	COUPLING, 4 1/4"B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5108273**	COUPLING, 4 1/4"B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109351**	* COUPLING, 3 1/4"B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109350**	* COUPLING, 4 1/4"B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109352**	* COUPLING, 4 1/4"B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24X1.12" (3 1/4" COUPLING) (12.5015)	4	4	4	4	4	4	4	4	4	4	4	4
	5122430	BOLT, 7/16"-20X1.18" (4 1/4" COUPLING)	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	103026	NUT, 3/8"-24 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 577	578	579	580	581	582	583	584	585	586	587	588
		9.1775 - TUBE, OIL PRESSURE GAGE												
1A	**5131604**	* HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		* UNITS PRIOR TO 3D-35665, 4D-36585, 6D-30358, INCLUDE 1-118753 ELBOW.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 589	590	591	592	593	594	595	596	597	598	599	600
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
1B	**5108254**	# GEAR ASSY., 3:1 RED., L.H. (PAGE E1) AS15-72 (5106324)	1											
1B	**5108256**	# GEAR ASSY., 1.5:1 RED., R.H. (PAGE E1) AS12-72R (5106317)		1										
1B	**5108258**	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE E1) AS14-72R (5106323)			1									
1B	**5108259**	# GEAR ASSY., 3:1 RED., R.H. (PAGE E1) AS15-72R (5106325)				1								
	5129545	# GEAR ASSY., DIRECT, L.H. (PAGE F1) AS11-72C (5106314)					1							
1B	**5129546**	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE F1) AS12-72C (5106316)						1						
1B	**5129547**	# GEAR ASSY., 2:1 RED., L.H. (PAGE F1) AS13-72C (5106320)							1					
1B	**5129548**	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE F1) AS14-72C (5106322)								1				
1B	**5129549**	# GEAR ASSY., 3:1 RED., L.H. (PAGE F1) AS15-72C (5106324)									1			
	5129550	# GEAR ASSY., DIRECT, R.H. (PAGE F1) AS11-72CR (5106315)										1		
1B	**5129551**	# GEAR ASSY., 1.5:1 RED., R.H. (PAGE F1) AS12-72CR (5106317)											1	
1B	**5129552**	# GEAR ASSY., 2:1 RED., R.H. (PAGE F1) AS13-72CR (5106321)												1
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)	6	6	6	6	6	6	6	6	6	6	6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5126826	COUPLING	1	1	1	1								
	5129638	COUPLING					1	1	1	1	1	1	1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	% GASKET KIT (INCLUDES NECESSARY GASKETS & SNAP RINGS FOR ONE COMPLETE OVERHAUL)	AR	AR	AR	AR	AR	AR	AAR	AR	AR	AR	AR	AR
		% NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 589	590	591	592	593	594	595	596	597	598	599	600
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
1B	**5108402**	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5108403**	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5108404**	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5108273**	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128342**	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128343**	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5128344**	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109350**	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
1B	**5109352**	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1	1
	5122430	BOLT, 1.18"L.	4	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												
		9.1775 - TUBE, OIL PRESSURE GAGE												
	5131604	@ HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		@ UNIT THRU 3D-35664, 4D-36584, 6D-30357 INCLUDE 1-118753 ELBOW, TO INSURE INTERCHANGEABILITY.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	602	615	621	627	634	635	638	649	656	657
		9.1001 - GEAR ASSY., HYDRAULIC MARINE											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.											
	5129545	# GEAR ASSY., DIRECT, L.H. (PAGE F1) AS11-72C (5106314)										1	
1A	**5129546**	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE F1) AS12-72C (5106316)									1		
	5129550	# GEAR ASSY., DIRECT, R.H. (PAGE F1) AS11-72CR (5106315)											1
1A	**5129551**	# GEAR ASSY., 1.5:1 RED., R.H. (PAGE F1) AS12-72CR (5106317)								1			
1B	**5129553**	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE F1) AS14-72CR (5106323)	1										
1B	**5129554**	# GEAR ASSY., 3:1 RED., R.H. (PAGE F1) AS15-72CR (5106325)		1									
1A	**5108251**	# GEAR ASSY., 1.5:1 RED., L.H. (PAGE E1) AS12-72 (5106316)			1								
1B	**5162730**	# GEAR ASSY., 1.9:1 RED., R.H. (PAGE G1) AS17-72CR (5106319)				1							
1B	**5130522**	# GEAR ASSY., 1.9:1 RED., L.H. (PAGE C1) AS17-72C (5106318)					1						
	5108250	# GEAR ASSY., DIRECT, L.H. (PAGE E1) AS11-72 (5106314)						1					
	5108255	# GEAR ASSY., DIRECT, R.H. (PAGE E1) AS11-72R (5106315)							1				
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1
	5134365	STUD (6.1020)						2	2			2	2
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)						4	4	6	6	4	4
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)	6	6	6								
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6			6	6	6	6	6	6
	456939	NUT, 7/16"-20 (12.9120)						2	2			2	2
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.											
		9.1006 - COUPLING, MARINE GEAR DRIVE											
	5129638	COUPLING	1	1		1	1						
	5128731	COUPLING			1			1	1				
	5129524	COUPLING								1	1	1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL											
	5196739	+ GASKET KIT (INCLUDES NECESSARY GASKETS & SNAP RINGS FOR ONE COMPLETE OVERHAUL)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		+ NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.											

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 601	602	615	621	627	634	635	638	649	656	657
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT											
1B	**5108402**	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	**5108403**	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	**5108404**	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	**5108273**	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	**5128342**	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	**5128343**	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	**5128344**	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1	1	1	1	1	1	1
1B	**5109350**	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1
	5109352	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1	1	1	1	1	1	1
	5122430	BOLT, 1.18"L.	4	4	4	4	4	4	4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.											
		9.1775 - TUBE, OIL PRESSURE GAGE											
1	**5131604**	@ HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1	1	1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1
		@ UNIT THRU 3D-35664, 4D-36584, 6D-30357 INCLUDE 1-118753 ELBOW, TO INSURE INTERCHANGEABILITY.											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 662	663	664	666	667	669	670	672	674	675	676	679
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
1A	**5134100**	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE C1) AS14-71C (5106310)	1											
1A	**5134073**	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE C1) AS14-71CR (5106311)		1										
1A	**5133892**	# GEAR ASSY., 3:1 RED., L.H. (PAGE G1) AS15-72C (5106324)			1	1								
1A	**5133890**	# GEAR ASSY., 2.5:1 RED., L.H. (PAGE G1) AS14-72C (5106322)					1							1
3A	**5134385**	* GEAR ASSY., 2:1 RED. (TWIN DISC #30756) MG-506 (PAGE K1)						1						
3A	**5134384**	* GEAR ASSY., 1.47:1 RED. (TWIN DISC #30742) MG-506 (PAGE K1)							1					
1A	**5133893**	# GEAR ASSY., 3:1 RED., R.H. (PAGE G1) AS15-72CR (5106325)								1		1		
1A	**5134074**	# GEAR ASSY., 3:1 RED., R.H. (PAGE C1) AS15-71CR (5106313)									1			
1A	**5133891**	# GEAR ASSY., 2.5:1 RED., R.H. (PAGE G1) AS14-72CR (5106323)											1	
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1	1	1	1	1	1	1	1	1	1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)						8	8					
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)	6	6	6					6	6		6	
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)				6	6					6	6	
	103321	LOCKWASHER, 3/8" (12.9200)						20	20					
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6			6	6	6	6	6
		* INCLUDES PROPELLER FLANGE AND REAR MOUNTS.												
		# NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5129524	COUPLING	1	1	1					1	1			1
	5129638	COUPLING				1	1					1	1	
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8	8	8			8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	% GASKET KIT (INCLUDES NECESSARY GASKETS & SNAP RINGS FOR ONE COMPLETE OVERHAUL)	AR	AR	AR	AR	AR			AR	AR	AR	AR	AR
		% NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
1B	**5108402**	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1			1	1	1	1	1
1B	**5108403**	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1	1	1			1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 662	663	664	666	667	669	670	672	674	675	676	679
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)												
1B	**5108404**	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1			1	1	1	1	1
1B	**5108273**	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1			1	1	1	1	1
1B	**5128342**	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1	1	1			1	1	1	1	1
1B	**5128343**	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1	1	1			1	1	1	1	1
1B	**5128344**	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1	1	1			1	1	1	1	1
1B	**5109350**	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1	1	1			1	1	1	1	1
1B	**5109352**	COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1	1	1			1	1	1	1	1
	5122430	BOLT, 1.18"L.	4	4	4	4	4			4	4	4	4	4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4			4	4	4	4	4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4			4	4	4	4	4
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												
		9.1775 - TUBE, OIL PRESSURE GAGE												
1A	**5131604**	@ HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1	1	1			1	1	1	1	1
1A	**5109271**	TUBE, 3/16"I.D.X13 3/4" L. FLEX. (12.4065)						1	1					
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	1
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1	1	1	1	1	1	1	1	1
		@ UNITS THRU 3D-35664, 4D-36584, 6D-30357, INCLUDE 1-118753 ELBOW.												

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 680	681	682	690	697	698	700	708	721	722	726	730
		9.1001 - GEAR ASSY., HYDRAULIC MARINE												
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED BELOW.												
1A	**5134100**	= GEAR ASSY., 2.5:1 RED., L.H. (PAGE C1) AS14-71C (5106310)												1
1A	**5133891**	= GEAR ASSY., 2.5:1 RED., R.H. (PAGE G1) AS14-72CR (5106323)	1											
1A	**5134073**	= GEAR ASSY., 2.5:1 RED., R.H. (PAGE C1) AS14-71CR(5106311)		1										
1A	**5134101**	= GEAR ASSY., 3:1 RED., L.H. (PAGE C1) AS15-71C (5106312)			1									
3A	**5136127**	@ GEAR ASSY., 1.93:1 RED. (TWIN DISC #31144) MG-506 (PAGE J1)				1								
1A	**5133893**	= GEAR ASSY., 3:1 RED., R.H. (PAGE G1) AS15-72CR (5106325)					1							
3A	**5136126**	# GEAR ASSY., 1.47:1 RED. (TWIN DISC #31143) MG-506 (PAGE J1)						1						
3A	**5137157**	@ GEAR ASSY., 1.93:1 RED. (TWIN DISC #31392) MG-506 (PAGE J1)							1					
3A	**5136570**	+ GEAR ASSY., 2.91:1 RED. (TWIN DISC #31142) MG-506 (PAGE J1)								1				
1A	**5129546**	= GEAR ASSY., 1.5:1 RED., L.H. (PAGE F1) AS12-72R (5106316)									1			
1A	**5129551**	= GEAR ASSY., 1.5:1 RED., R.H. (PAGE F1) AS12-72CR (5106317)										1		
3A	**5136432**	% GEAR ASSY., 2.42:1 RED. (TWIN DISC #31832) MG-506 (PAGE J1)											1	
	5170507	DECAL, ROTATION INDICATING ARROW	1	1			1				1	1		1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)				12		12	12	12			12	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				8		8	8	8			8	
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)			6						6	6		6
	179872	BOLT, 7/16"-14X3 1/2" (12.9001)					6							
	103321	LOCKWASHER, 3/8" (12.9200)				20		20	20	20			20	
	103322	LOCKWASHER, 7/16" (12.9200)			6		6				6	6		6
		% NOT SERVICED, SUPERSEDED BY 5147538 R.H. OR 5147539 L.H. ROTATION.												
		# NOT SERVICED, SUPERSEDED BY 5147534 R.H. OR 5147535 L.H. ROTATION.												
		+ NOT SERVICED, SUPERSEDED BY 5148446 R.H. OR 5148445 L.H. ROTATION.												
		@ NOT SERVICED, SUPERSEDED BY 5147536 R.H. OR 5147537 L.H. ROTATION.												
		= NOT SERVICED, USE PART NUMBER SHOWN IN PARENTHESES.												
		9.1003 - HOUSING, MARINE GEAR DRIVE												
	5129099	HOUSING ASSY. (INCLUDES PIN) (9.1007)		1							1	1		1
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)		2										

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 680	681	682	690	697	698	700	708	721	722	726	730
		9.1003 - HOUSING, MARINE GEAR DRIVE (CONT'D)												
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4										
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		2							2	2		2
	103321	LOCKWASHER, 3/8" (12.9200)		4										
	103322	LOCKWASHER, 7/16" (12.9200)		2							2	2		2
		9.1004 - FLANGE, MARINE GEAR DRIVE												
	5126794	+ FLANGE		1							1	1		1
	5119189	CONE (1.3295)		2							2	2		2
	5180291	RETAINER (WASHER) (1.3290)		1							1	1		1
	271630	BOLT, 3/8"-16X1 1/2" (12.9001)		1							1	1		1
		+ OBSOLETE.												
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5129524	COUPLING	1	1	1									
	5129638	COUPLING					1				1	1		1
	9409011	BOLT, 5/16"-18X3/4" (12.9001)	8	8	8		8				8	8		8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	GASKET KIT (INCLUDES NECESSARY GASKETS & SNAP RINGS FOR ONE COMPLETE OVERHAUL)	AR	AR	AR									
		NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.												
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
1B	5108402	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1									
1B	5108403	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE	1	1	1									
1B	5108404	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1									
1B	5108273	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1									
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1									
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE	1	1	1									
1B	5128344	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1									
1B	5109350	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE	1	1	1									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 680	681	682	690	697	698	700	708	721	722	726	730
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)												
1B	**5109352**	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE	1	1	1									
	5122430	BOLT, 1.18"L.	4	4	4							4		
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4							4		
	271506	NUT, 7/16"-20 (12.9120)	4	4	4							4		
		* PARTIALLY MACHINED, MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS AND DRIVE PIN FURNISHED BY CUSTOMER.												
	9.1775	**- TUBE, OIL PRESSURE GAGE**												
1A	**5131604**	@ HOSE, 1/2"I.D.X15 21/32"L. FLEX. (12.4065)	1	1	1						1	1		1
	5135177	HOSE, 3/16" I.D.X98" L. (7.4075)					1							
1A	**5109271**	TUBE, 3/16"I.D.X13 3/4"L. FLEX. (12.4065)				1		1	1	1			1	
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1	
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1	
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)					1							
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)					1							
	118753	ELBOW, 1/4" TUBE - 90 DEG. (12.9480)	1	1	1	1		1	1	1	1	1	1	
		@ UNITS THRU 3D-35664, 4D-36584, 6D-30357, INCLUDE 1-118753 ELBOW.												

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9.1000A HYDRAULIC MARINE GEAR

9.1001 - GEAR ASSY., HYDRAULIC MARINE

SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.

	PART NUMBER	NAME AND DESCRIPTION	TYPES 769	770	771	772	783	784	790	791	792	793	794	802
3A	5143834	? *% GEAR ASSY., 2.42:1 RED. (TWIN DISC #32222) MG-506 (PAGE J1)	1											
3A	5143835	? *+ GEAR ASSY., 2.90:1 RED. (TWIN DISC #32411) MG-506 (PAGE J1)		1										
	5129550	= GEAR ASSY., DIRECT DRIVE (PAGE F1) AS11-72CR (5106315)			1									
	5129545	= GEAR ASSY., DIRECT DRIVE (PAGE F1) AS11-72C (5106314)				1								
1B	5144706	GEAR ASSY., 3:1 RED., R.H. (PAGE H1) W-AS5-73C					1							
1B	5144705	GEAR ASSY., 3:1 RED., L.H. (PAGE H1) W-AS5-73CR						1						
3A	5144971	? @& GEAR ASSY., 1.93:1 RED. (MG 506) (TWIN DISC #32025) (PAGEJ1)							1					
3A	5144972	? @% GEAR ASSY., 2.42:1 RED. (MG 506) (TWIN DISC #32027) (PAGEJ1)								1				
3A	5144973	? @+ GEAR ASSY., 2.90:1 RED. (MG 506) (TWIN DISC #32029) (PAGEJ1)									1			
3A	5144970	? @# GEAR ASSY., 1.47:1 RED. (MG 506) (TWIN DISC #32023) (PAGEK1)										1		
1A	5129546	= GEAR ASSY., 1.5:1 RED., L.H. (PAGE F1) M-AS12-72C (5106316)											1	
1A	5129551	= GEAR ASSY., 1.5:1 RED., R.H. (PAGE F1) MG-506 (5106317)												1
	5170507	DECAL, ROTATION INDICATING ARROW			1	1	1	1					1	1
	5134365	STUD, 7/16"X3 3/4" (6.1050)			2	2								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	12	12					12	12	12	12		
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	8	8					8	8	8	8		
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)			6	6							6	6
	454938	BOLT, 7/16"-14X3 3/4" (12.9001)					6	6						
	103321	LOCKWASHER, 3/8" (12.9200)	20	20					20	20	20	20		
	103322	LOCKWASHER, 7/16" (12.9200)			6	6	6	6					6	6
	456939	NUT, 7/16"-20 (12.9120)			2	2								

* INCLUDES PROPELLER, FLANGE AND REAR MOUNTS.

@ REFER TO 11.1000A TYPE 582 FOR REVERSE GEAR MOUNTING BRACKETS AND COUPLING WHICH ARE NOT PART OF GEAR ASSEMBLIES.

& NOT SERVICED SUPERSEDED BY 5147536 (TWIN DISC #33875) MG 506 R.H. OR 5147537 (TWIN DISC #33872) MG 506 L.H. ROTATION.

% NOT SERVICED SUPERSEDED BY 5147538 (TWIN DISC #33876) MG 506 R.H. OR 5147539 (TWIN DISC #33873) MG 506 L.H. ROTATION.

\+ NOT SERVICED SUPERSEDED BY 5148446 (TWIN DISC #34208) MG 506 R.H. OR 5148445 (TWIN DISC #34209) MG 506 L.H. ROTATION.

= *NOT SERVICED, USE PART NUMBER* SHOWN IN PARENTHESES.

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 769	770	771	772	783	784	790	791	792	793	794	802
		9.1001 - GEAR ASSY., HYDRAULIC MARINE (CONT'D)												
		# NOT SERVICED SUPERSEDED BY 5147534 (TWIN DISC #33874) MG 506 R.H. OR 5147535 (TWIN DISC #33871) MG 506 L.H. ROTATION.												
		? PROCURE ASSY. OR COMPONENTS THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET. FURNISH TWIN DISC NUMBER.												
		9.1003 - HOUSING, MARINE GEAR DRIVE												
	5129099	ADAPTOR ASSY. (INCLUDES PIN) (9.1007)			1	1								
	5146900	PIN, 3/8"X1 1/8" DOWEL (12.9290)			2	2								
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			4	4								
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)			2	2								
	103322	LOCKWASHER, 7/16" (12.9200)			2	2								
		9.1004 - FLANGE, MARINE GEAR DRIVE												
	5126794	+ FLANGE (9.1430)			1	1								
	5119189	CONE (1.3295)			2	2								
	5180291	RETAINER (WASHER) (1.3290)			1	1								
	271630	BOLT, 3/4"-16X1 1/2" (12.9001)			1	1								
		+ OBSOLETE.												
		9.1006 - COUPLING, MARINE GEAR DRIVE												
	5129638	COUPLING			1	1	1	1						
	5129524	COUPLING											1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9117)			8	8	8	8					8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL												
	5196739	% GASKET KIT (MODEL 71,72)			AR	AR							AR	AR
	5149036	GASKET KIT (MODEL 73) NOT SERVICED, FOR SERVICE USE 5149636 AND 5149638.					AR	AR						
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT												
1B	5108402	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE			1	1	1	1					1	1
1B	5108403	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE			1	1	1	1					1	1
1B	5108404	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE			1	1	1	1					1	1

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 769	770	771	772	783	784	790	791	792	793	794	802
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)												
1B	**5108273**	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE			1	1	1	1					1	1
1B	**5128342**	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE			1	1	1	1					1	1
1B	**5128343**	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE			1	1	1	1					1	1
1B	**5128344**	COUPLING, 4 1/4" B.C., 2 1/4" BORE, SOLID TYPE			1	1	1	1					1	1
1B	**5109350**	* COUPLING, 4 1/4" B.C., 1" TO 1 1/2" ROUGH BORE, SPLIT TYPE			1	1	1	1					1	1
1B	**5109352**	* COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE			1	1	1	1					1	1
	5122430	BOLT, 7/16"-20X1 1/8" (9.1430)			4	4	4	4					4	4
	103322	LOCKWASHER, 7/16" (12.9200)			4	4	4	4					4	4
	271506	NUT, 7/16"-20 (12.9120)			4	4	4	4					4	4
		* PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS, AND DRIVE PIN FURNISHED BY CUSTOMER.												
		9.1775 - TUBE, OIL PRESSURE GAGE												
	5109271	TUBE, 3/16"I.D.X13 3/4"L., FLEX. (12.4065)	1	1					1	1	1	1		
	5135177	HOSE, 3/16"I.D.X98"L. (7.4075)					1	1						
	5131604	HOSE, 1/2"I.D.X15 21/32"L. (12.4065)			1	1								
	5144634	HOSE ASSY., #4X15 3/4"L. (TEFLON) (4.4340)											1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1		1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1			1	1	1	1	1	1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1	1			1	1	1	1	1	1		
	9409931	ELBOW, 1/8"-27 STREET 90 DEG. (12.9590)											1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1	1	1	1	1	1						
	443762	EXTENSION TUBE (12.9540)						1						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 836	837	838	839	840	841	844	845	846	847	848
		9.1001 - GEAR ASSY., HYDRAULIC MARINE											
		SEE ASSEMBLY BREAKDOWN PAGES AS INDICATED.											
3A	**5147536**	? GEAR ASSY., 1.97:1 RED. (MG 506) (TWIN DISC #33875) (R.H.ROTATION)	1										
3A	**5147534**	? GEAR ASSY., 1.50:1 RED. (MG 506) (TWIN DISC #33874) (R.H.ROTATION)		1									
3A	**5147537**	? GEAR ASSY., 1.97:1 RED. (MG 506) (TWIN DISC #33872) (L.H.ROTATION)			1								
3A	**5147538**	? GEAR ASSY., 2.50:1 RED. (MG 506) (TWIN DISC #33876) (R.H.ROTATION)				1							
3A	**5147535**	? GEAR ASSY., 1.50:1 RED. (MG 506) (TWIN DISC #33871) (L.H.ROTATION)					1						
3A	**5147539**	? GEAR ASSY., 2.50:1 RED. (MG 506) (TWIN DISC #33873) (L.H.ROTATION)						1					
1B	**5148453**	GEAR ASSY., DIRECT DRIVE, C.W. (PAGE H1) WARNER AS1-73C							1				
1B	**5148427**	GEAR ASSY., 1.5:1 RED. (PAGE H1) W-AS2-73C (R.H. ROTATION)								1			
1B	**5141129**	GEAR ASSY., 2:1 RED. (W-AS7-73C) ROTATION CHANGES) (PAGE H1)									1		
1B	**5144706**	GEAR ASSY., 3:1 RED. (PAGE H1) W-AS5-73C R.H. ROTATION										1	
1B	**5148454**	GEAR ASSY., DIRECT DRIVE L.H. ROTATION W-AS1-73CR (PAGE H1)											1
	5170507	DECAL, ROTATION INDICATING ARROW							1	1	1	1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	12	12	12	12	12	12					
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	8	8	8	8	8	8					
	454939	BOLT, 7/16"-14X4" (12.9001)							6	6	6	6	6
	103321	LOCKWASHER, 3/8" (12.9200)	20	20	20	20	20	20					
	103322	LOCKWASHER, 7/16" (12.9200)							6	6	6	6	6
		? PROCURE ASSY. OR COMPONENTS THRU TWIN DISC INC. 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET. FURNISH TWIN DISC NO.											
		9.1006 - COUPLING, MARINE GEAR DRIVE											
	5129638	COUPLING							1	1	1	1	1
	9409011	BOLT, 5/16"-18X3/4" (12.9117)							8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL											
	5149036	GASKET KIT (MODEL 73)							AR	AR	AR	AR	AR
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT											
1B	**5141240**	COUPLING, 4 3/4" B.C., 1 3/4" BORE, SOLID TYPE							1	1	1	1	1
1B	**5141306**	COUPLING, 4 3/4" B.C., 2 1/4" BORE, SOLID TYPE							1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 836	837	838	839	840	841	844	845	846	847	848
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)											
1B	**5148513**	* COUPLING, 4 3/4" B.C., 1 1/2" TO 2 1/4" ROUGH BORE, SPLIT TYPE							1	1	1	1	1
	443615	BOLT, 1/2"-20X2" (12.9001)							6	6	6	6	6
	103323	LOCKWASHER, 1/2" (12.9200)							6	6	6	6	6
	103028	NUT, 1/2"-20 (12.9120)							6	6	6	6	6
		* PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS, AND DRIVE PIN FURNISHED BY CUSTOMER.											
		9.1775 - TUBE, OIL PRESSURE GAGE											
	5109271	TUBE, 3/16"I.D.X13 3/4"L., FLEX. (12.4065)	1	1	1	1	1	1					
	5131604	HOSE, FLEX. 1/2 I.D.X15 21/32 L. (12.4065)							1	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1	1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1	1	1	1	1	1					
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)							1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 849	850	851	926	950	951	952	953	954	955	956	957	958	9
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
		SEE ASSEMBLY BREAKDOWN AS INDICATED.														
1B	**5148428**	GEAR ASSY., 1.5:1 (PAGE H1) L.H. ROTATION (W-AS2-73CR)	1													
1B	**5141130**	GEAR ASSY., 2:1 RED., C.W.-CHANGES ROTATION) (PAGE H1)W-AS7-73CR		1												
1B	**5144705**	GEAR ASSY., 3:1 RED. (PAGE H1) W-AS5-73CR			1											
	NPN	GEAR ASSY. (CUSTOMER FURNISHED)				1										
	5106304	GEAR ASSY. (DIRECT DRIVE) (PAGE A1)					1									
	5106305	GEAR ASSY. (DIRECT DRIVE) (PAGE A1)						1								
1A	**5106306**	GEAR ASSY., 1.5:1 RED. (PAGE A1)							1							
1A	**5106307**	GEAR ASSY., 1.5:1 RED. (PAGE A1)								1						
1A	**5106308**	GEAR ASSY., 2.1:1 RED. (PAGE B1)									1					
1A	**5106309**	GEAR ASSY., 2.1:1 RED. (PAGE B1)										1				
1A	**5106310**	GEAR ASSY., 2.6:1 RED. (PAGE B1)											1			
1A	**5106311**	GEAR ASSY., 2.6:1 RED. (PAGE B1)												1		
1A	**5106312**	GEAR ASSY., 2.9:1 RED. (PAGE K1)													1	
1A	**5106316**	GEAR ASSY., 1.5:1 RED. (PAGE K1)														1
	5134365	STUD, 7/16" X 3 3/4" (6.1020)					2	2								
	5170507	DECAL, ROTATION INDICATING ARROW	1	1	1		1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14 X 3 1/4" (12.9001)					4	4	6	6	6	6	6	6	6	6
	454939	BOLT, 7/16"-14X4" (12.9001)	6	6	6											
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6		6	6	6	6	6	6	6	6	6	6
	456939	NUT, 7/16"-20 (12.9120)					2	2								
		9.1006 - COUPLING, MARINE GEAR DRIVE														
	5129638	COUPLING	1	1	1	1										
	5129524	COUPLING					1	1	1	1	1	1	1	1	1	
	9409011	BOLT, 5/16"-18 X 3/4" (12.9117)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		9.1017 - GASKET KIT, HYDRAULIC MARINE GEAR OVERHAUL														
	5149036	GASKET KIT (MODEL 73)	1	1	1											
		9.1430 - FLANGE, PROPELLER DRIVE														
	5196745	FLANGE					1	1					1		1	
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT														
1B	**5141240**	COUPLING, 4 3/4" B.C., 1 3/4" BORE, SOLID TYPE	1	1	1											
1B	**5141306**	COUPLING, 4 3/4" B.C., 2 1/4" BORE, SOLID TYPE	1	1	1											
1B	**5148513**	* COUPLING, 4 3/4" B.C., 1 1/2" TO 2 1/4" ROUGH BORE, SPLIT TYPE	1	1	1											
1B	**5107335**	COUPLING, 4 1/4" B.C., 1" SOLID TYPE							1	1	1	1				
1B	**5109350**	COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE							1	1	1	1	1	1	1	
1B	**5128342**	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE											1		1	
1B	**5128343**	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE											1		1	1
1B	**5108402**	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE											1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	TYPES 849	850	851	926	950	951	952	953	954	955	956	957	958	959
	9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)														
1B **5109351**	COUPLING, 3.25" B.C., 1" TO 1.50" BORE, SPLIT TYPE					1	1								
1B **5109352**	COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE				1		1					1	1	1	1
1B **5122654**	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE					1	1								
1B **5122656**	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE					1	1								
1B **5122657**	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE					1	1								
1B **5123209**	COUPLING, 3 1/4" B.C., 1 1/2" BORE, SOLID TYPE					1	1								
1B **5108273**	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE											1	1		1
1B **5108403**	COUPLING, 4 1/4" B.C., 1 1/4" BORE, SOLID TYPE							1	1	1	1				
1B **5108404**	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE							1	1	1	1	1	1		1
5145092	BOLT, 3/8"-24X1.20" (12.5015)					4	4								
5122430	BOLT, 7/16"-20 X 1 1/8" (9.1430)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
443615	BOLT, 1/2"-20X2" (12.9001)	6	6	6											
103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
103323	LOCKWASHER, 1/2" (12.9200)	6	6	6											
103026	NUT, 3/8"-24 (12.9120)					4	4								
271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
103028	NUT, 1/2"-20 (12.9120)	6	6	6											
	* PARTIALLY MACHINED; MUST BE BORED TO SHAFT DIAMETER AND FINISH MACHINED; KEY, CLAMPING BOLTS, AND DRIVE PIN FURNISHED BY CUSTOMER.														
	9.1775 - TUBE, OIL PRESSURE GAGE														
5131604	HOSE, 1/2" I.D.X15 21/32" L. (12.4065)	1	1	1		1	1	1	1	1	1	1	1	1	1
1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1		1	1	1	1	1	1	1	1	1	1
119932	BUSHING, 3/8" X 1/8" RED. PIPE (12.9570)	1	1	1		1	1	1	1	1	1	1	1	1	1
118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	1	1	1		1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 9600	9601	9602	9603	9604	9605	9606	9607	9730	9800
		9.1001 - GEAR ASSY., HYDRAULIC MARINE										
1A	5106316	GEAR ASSY., 1.5:1 RED. (PAGE K1)	1									
1A	5106317	GEAR ASSY., 1.5:1 RED. (PAGE K1)		1	1							
1A	5106320	GEAR ASSY., 2.1:1 RED. (PAGE K1)				1						
1A	5106321	GEAR ASSY., 2.1:1 RED. (PAGE K1)					1					
1A	5106322	GEAR ASSY., 2.6:1 RED. (PAGE K1)						1				
1A	5106324	GEAR ASSY., 2.9:1 RED. (PAGE K1)							1			
1A	5106325	GEAR ASSY., 2.9:1 RED. (PAGE C1)								1		
1A	5106323	GEAR ASSY., 2.6:1 RED. (PAGE K1)									1	
1A	5106313	GEAR ASSY., 2.9:1 RED. (PAGE K1)										1
	5170507	DECAL	1	1	1	1	1	1	1	1	1	1
	179871	BOLT, 7/16"-14 X 3 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6
	103322	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6
		9.1006 - COUPLING, MARINE GEAR DRIVE										
	5129524	COUPLING	1	1	1	1	1	1	1	1	1	1
	9409011	BOLT, 5/16"-18 X 3/4" (12.9001)	8	8	8	8	8	8	8	8	8	8
		9.1430 - FLANGE, PROPELLER DRIVE										
	5196745	FLANGE				1		1				
		9.1440 - COUPLING PROPELLER DRIVE SHAFT										
1B	5109352	COUPLING, 4 1/4" B.C., 1 1/2" TO 2 1/4" BORE, SPLIT TYPE		1	1	1	1	1	1	1		1
1B	5108273	COUPLING, 4 1/4" B.C., 1 1/2" BORE, SOLID TYPE	1	1	1	1	1	1	1	1		
1B	5108402	COUPLING, 4 1/4" B.C., 1 1/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1		1
1B	5108404	COUPLING, 4 1/4" B.C., 1 3/8" BORE, SOLID TYPE	1	1	1	1	1	1	1	1		
1B	5109350	COUPLING, 4 1/4" B.C., 1" TO 1 1/2" BORE, SPLIT TYPE		1	1	1	1	1	1	1		
1B	5128342	COUPLING, 4 1/4" B.C., 1 3/4" BORE, SOLID TYPE				1						
1B	5128343	COUPLING, 4 1/4" B.C., 2" BORE, SOLID TYPE				1		1	1			
1B	5122654	COUPLING, 3 1/4" B.C., 1" BORE, SOLID TYPE										1
1B	5122656	COUPLING, 3 1/4" B.C., 1 1/4" BORE, SOLID TYPE										1
1B	5122657	COUPLING, 3 1/4" B.C., 1 3/8" BORE, SOLID TYPE										1
	5145092	BOLT, 3/8"-24X1.20" (12.5015)										4
	5122430	BOLT, 7/16"-20 X 1 1/8" (9.1430)	4	4	4	4	4	4	4	4		4
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4		4
	103026	NUT, 3/8"-24 (12.9120)										4
	271506	NUT, 7/16"-20 (12.9120)	4	4	4	4	4	4	4	4		4
		9.1775 - TUBE, OIL PRESSURE GAGE										
	5144634	HOSE ASSY., #4X15 3/4" (4.4340)	1		1							
	5131604	HOSE ASSY., 1/2" I.D.X15 21/32" L. (12.4065)		1		1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	TYPES 960	961	962	963	964	965	966	967	973	980
	9.1775 - TUBE, OIL PRESSURE GAGE (CONT'D)										
1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1	1	1	1	1	1	1
119932	BUSHING, 3/8" X 1/8" RED. PIPE (12.9570)	1	1	1	1	1	1	1	1	1	1
9409931	ELBOW, 90 DEG.-1/8" STREET (12.9590)	1		1							
118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)		1		1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1050	1051	1052	1053
		9.1001 - GEAR ASSY., HYDRAULIC MARINE				
3A	**8923488**	? GEAR ASSY. 1.5:1 RED. (MG 506) (TWIN DISC #37012) (R.H. ROTATION)	1			
3A	**8923490**	? GEAR ASSY. 1.97:1 RED (MG 506) (TWIN DISC #37013) (R.H. ROTATION)		1		
3A	**8923489**	? GEAR ASSY. 1.5:1 RED. (MG 506) (TWIN DISC #37010) (R.H. ROTATION)			1	
3A	**8923491**	? GEAR ASSY. 1.97:1 RED. (MG 506) (TWIN DISC #37011) (R.H. ROTATION)				1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	12	12	12	12
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	8	8	8	8
	103321	LOCKWASHER, 3/8" (12.9200)	20	20	20	20
		? PROCURE ASSY. OR COMPONENTS THRU TWIN DISC INC. 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET. FURNISH TWIN DISC NO.				
		9.1775 - TUBE, OIL PRESSURE GAGE				
	5109271	TUBE, 3/16"I.D.X13 3/4"L., FLEX (12.4065)	1	1	1	1
	1508350	FITTING, 1/8" RESTRICTED (7.4074)	1	1	1	1
	119932	BUSHING, 3/8"X1/8" RED. PIPE (12.9570)	1	1	1	1
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9480)	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
	5122586	* GEAR ASSY. (DIRECT DRIVE, L.H.)	1													
	5122587	* GEAR ASSY. (DIRECT DRIVE, R.H.)		1												
1A	**5122588**	* GEAR ASSY. (1.5:1 RED., L.H.)			1											
1A	**5122589**	* GEAR ASSY. (1.5:1 RED., R.H.)				1										
1A	**5122590**	* GEAR ASSY. (2:1 RED., L.H.)					1									
1A	**5122591**	* GEAR ASSY. (2:1 RED., R.H.)						1								
1A	**5122593**	* GEAR ASSY. (2.5:1 RED., R.H.)							1							
1A	**5122594**	* GEAR ASSY. (2.5:1 RED., L.H.)								1						
1A	**5122595**	* GEAR ASSY. (3:1 RED., R.H.)									1					
1A	**5122596**	* GEAR ASSY. (3:1 RED., L.H.)										1				
	5106304	GEAR ASSY. (DIRECT DRIVE, R.H.)											1			
	5106305	GEAR ASSY. (DIRECT DRIVE, L.H.)												1		
1A	**5106306**	GEAR ASSY. (1.5:1 RED, R.H.)													1	
1A	**5106307**	GEAR ASSY. (1.5:1 RED, L.H.)														1
		* NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2A	**5196179**	ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1				
2A	**5198322**	ADAPTOR ASSY.											1	1	1	1
2A	**455724**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1	1	1			1	1
2A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5197537**	BOLT, 3/8"-16X1 1/4" 12 PT. HD.	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR														
	5196181	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1010 - HOUSING, MARINE GEAR														
		A HOUSING ASSY. INCLUDES BUSHING IN 9.1010 AND TUBE IN 9.1410.														
2A	**5196232**	* HOUSING ASSY. (DIRECT DRIVE)	1	1												
2A	**5196235**	@ # HOUSING ASSY. (REDUCTION DRIVE)			1	1	1	1	1	1	1	1				
2A	**5196728**	& % HOUSING ASSY. (2:1 RED.)			1	1	1	1	1	1	1	1				
	NPN	HOUSING ASSY. (WARNER #10-17-065-006)											1	1		
2A	**5149807**	HOUSING ASSY.													1	1
	5149803	NAMEPLATE											1			
	5149806	NAMEPLATE												1		
	5149691	NAMEPLATE													1	
	5149692	NAMEPLATE														1
2A	**5196511**	BUSHING (OUTPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
	9421745	PLUG (1/2" CUP) (12.9330)							1	1	1	1				
2A	**190073**	SCREW, DRIVE #2X3/16"											2	2	2	2
2A	**5198461**	PLUG (.338" DIA. CUP)							1	1	1	1				
		* NOT SERVICED; REPLACE WITH 1-5198093 HOUSING ASSY., 2-5196730 PLATE, 3-3712718 DOWEL PINS, 1-5196895 STRAINER, 1-5196907 BUSHING, 1-5196894 BAFFLE, 1-5149100 DIPSTICK & 1-5149061 ADAPTOR.														
		@ PRIOR TO GEAR SERIAL NO. 4693 ON 2:1 RATIOS.														

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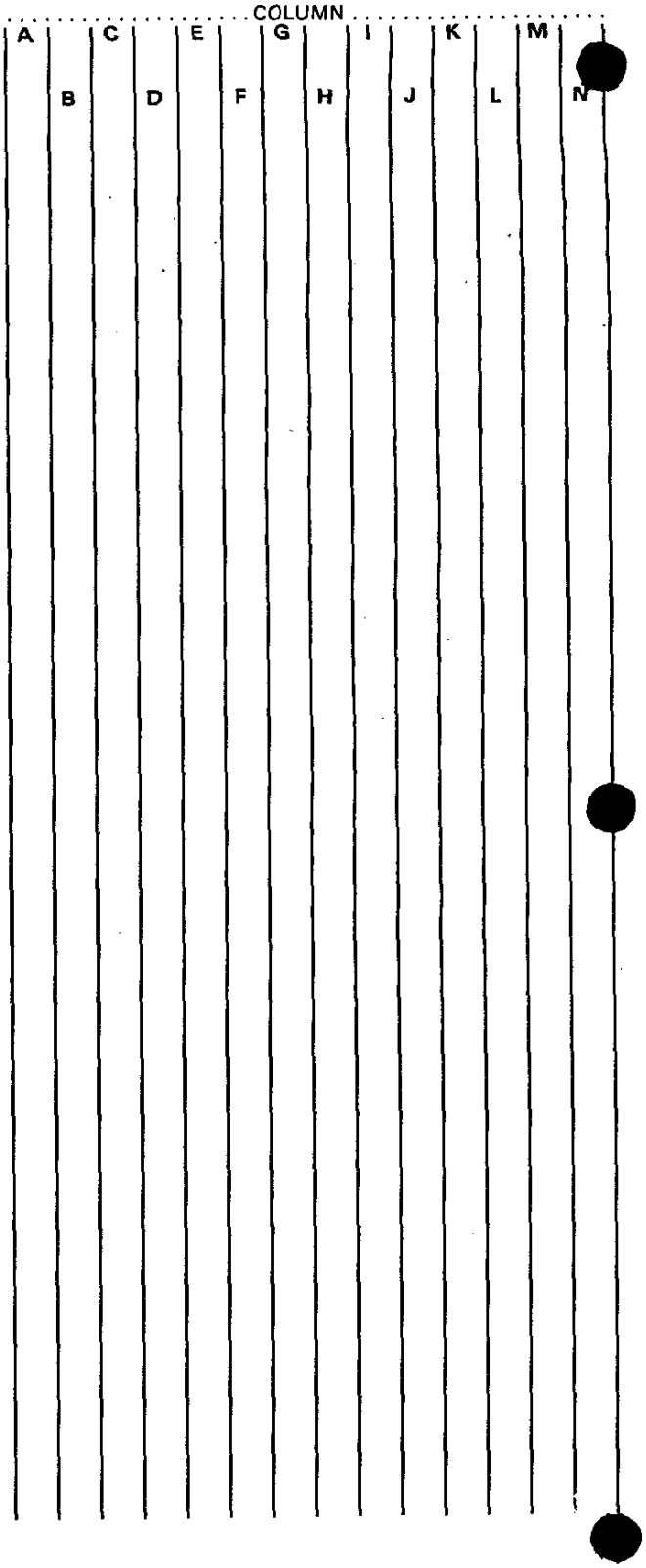
9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION

9.1010 - HOUSING, MARINE GEAR (CONT'D)

NOT SERVICED; REPLACE WITH 1-5198094 HOUSING ASSY., 1-5149100 DIPSTICK, 1-51409061 ADAPTOR, 2-5196730 PLATE & 3-3712718 DOWEL PIN.

COLUMN



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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1010 - HOUSING, MARINE GEAR (CONT'D)														
		& EFF. WITH GEAR SERIAL NO. 4693 ON 2:1 RATIOS.														
		% NOT SERVICED; REPLACE WITH 1-5198094 HOUSING ASSY., 1-5149100 DIPSTICK & 1-5149061 ADAPTOR.														
		9.1026 - SHAFT, MARINE GEAR INPUT														
2A	**5196192**	* SHAFT	1	1	1	1	1	1	1	1	1	1				
2A	**5198244**	SHAFT ASSY.											1	1	1	1
		* OBSOLETE.														
		9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
2A	**5149670**	BEARING											1	1	1	1
2A	**9413342**	BEARING	1	1	1	1	1	1	1	1	1	1				
2A	**3709351**	RING, SNAP (1 1/4"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196193**	RING, SNAP (2 1/4"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1030 - PISTON, REVERSE CLUTCH														
2A	**5196183**	PISTON	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1035 - SEAL, REVERSE CLUTCH PISTON														
2A	**5196188**	SEAL, RING (3 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196180**	SEAL, RING (7 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1045 - PLATE, REVERSE CLUTCH														
2A	**5196303**	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196185**	* PLATE (SPLINED)	2	2	2	2	2	2	2	2	2	2				
2A	**5196730**	@ PLATE (SPLINED)					2	2								
2A	**5149757**	PLATE											2	2	2	2
		* PRIOR TO GEAR SERIAL NO. 4693 ON 2:1 RATIOS.														
		@ EFFECTIVE WITH GEAR SERIAL NO. 4693 ON 2:1 RATIOS.														
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
2A	**5196186**	SPRING	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
2A	**5196184**	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196187**	* PIN (9/16"L.)	3	3	3	3	3	3	3	3	3	3				
2A	**3712718**	@ PIN (.623"L.)					3	3					3	3	3	3

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1060 - PLATE, REVERSE CLUTCH REACTION (CONT'D)														
		* PRIOR TO GEAR SERIAL NO. 4693 ON 2:1 RATIOS.														
		@ EFFECTIVE WITH GEAR SERIAL NO. 4693 ON 2:1 RATIOS.														
		9.1080 - GEAR ASSY., MARINE GEAR PLANETARY														
		INCLUDES BUSHINGS IN 9.1087.														
2A	**5196210**	GEAR ASSY. (DIRECT DRIVE)	1	1												
2A	**5196244**	GEAR ASSY. (1.5:1 RED.)			1	1										
2A	**5196245**	GEAR ASSY. (2:1 RED.)					1	1								
2A	**5196246**	GEAR ASSY. (2.5:1 AND 3:1 RED.)							1	1	1	1				
2A	**5149804**	GEAR ASSY. (DIRECT DRIVE)											1	1		
2A	**5149816**	GEAR ASSY. (1.5:1 RED.)													1	1
		9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST														
2A	**5196211**	WASHER (1 3/4"O.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196213**	WASHER (2 5/8"O.D.) (1.5 AND 2:1)			1	1	1	1								
2A	**5149762**	WASHER													1	1
		9.1087 - BEARING, MARINE GEAR PLANETARY GEAR														
2B	**5199063**	BEARING (1.5:1 RED.) (GROOVED)			1	1									1	1
2D	**5197342**	BEARING (2.5:1 AND 3:1 RED.) (9.1350)							1	1	1	1				
	5199829	BUSHING	2	2	3	3	2	2	2	2	2	2	2	2	2	2
2B	**5196254**	RING, SNAP (2 1/16" DIA.)			1	1									1	1
2D	**5196259**	RING, SNAP (1 27/64" DIA.)							1	1	1	1				
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2A	**5196208**	GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196199**	RING, SNAP (5 7/8"O.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1093 - SHAFT, OUTPUT AND BUSHING ASSEMBLY														
	5149805	SHAFT											1	1		
	5149819	SHAFT													1	1
		9.1097 - BEARING, OUTPUT SHAFT														
2B	**5149679**	CUP, BEARING													1	1
2B	**5149677**	CUP, BEARING													1	1
2B	**5149678**	CONE, BEARING													1	1
		9.1135 - VALVE ASSY., SELECTOR														
		INCLUDES ITEMS IN 9.1137 THRU 9.1160														
2A	**5196217**	VALVE ASSY.	1	1	1	1	1	1	1	1	1	1				
2A	**5149763**	VALVE ASSY.											1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

9.1137 - VALVE, SELECTOR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
2A **5196218**	VALVE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A **5149673**	VALVE											1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1155 - SPRING, SELECTOR VALVE														
2A	**5196219**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5149764**	SPRING											1	1	1	1
2A	**5196220**	RETAINER, SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196212**	RING, SNAP	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1157 - CAM, NEUTRAL														
2A	**5149936**	CAM											1	1	1	1
2A	**179796**	BOLT, 1/4"-20X7/8" (12.9001)											3	3	3	3
2A	**103319**	LOCKWASHER, 1/4" (12.9200)											3	3	3	3
		9.1160 - SEAL, SELECTOR VALVE OIL														
2A	**5196222**	SEAL RING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1175 - LEVER, SELECTOR VALVE OPERATING														
2A	**5197136**	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5149768**	SWITCH AND COVER ASSY.											1	1	1	1
2A	**5196221**	SPRING (DETENT)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**103340**	WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**108579**	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**114493**	NUT, 5/16"-24 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1178 - COVER, SELECTOR VALVE														
2A	**5196224**	COVER	1	1	1	1	1	1	1	1	1	1				
2A	**5149765**	COVER											1	1	1	1
2A	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2A	**103319**	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		9.1179 - GASKET, SELECTOR VALVE COVER														
2A	**5196225**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2A	**5196194**	CYLINDER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196198**	SEAL RING (ON INPUT SHAFT)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2A	**5149755**	SEAL RING											4	4	4	4
		9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST														
2A	**5196881**	WASHER (.063" THICK)	1	1	AR	AR	AR	AR	1	1	1	1	1	1	1	1
		9.1225 - PISTON, FORWARD CLUTCH														
2A	**5196196**	PISTON	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

GRP	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1230 - SEAL, FORWARD CLUTCH PISTON														
2A	**5196195**	SEAL RING, 2.016 I.D.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196197**	SEAL RING, 4.120 I.D.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH														
2A	**5196202**	PLATE (INNER)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196205**	PLATE (OUTER)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5197160**	PLATE	5	5	5	5	5	5	5	5	5	5				
2A	**5196203**	PLATE (STEEL)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2A	**5149809**	PLATE (INNER)											5	5	5	5
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2A	**5196201**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196200**	RING, SNAP (3" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196209**	RING, SNAP (5 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1242 - HUB, FORWARD CLUTCH														
2A	**5196206**	HUB	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196207**	RING, SNAP (1 21/32" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**218211**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1282 - PLATE, REDUCTION GEAR ADAPTOR														
	5196250	PLATE, 1.5:1 RED.			1	1										
	5196247	PLATE, 2:1 RED.					1	1								
2D	**5196248**	PLATE, 2.5:1 & 3:1 RED.							1	1	1	1				
2B	**5199039**	PLATE, 1.5:1 RED.													1	1
2B,C	**5199060**	BOLT, 7/16"-14X1" (NYLON INSERT)			6	6	6	6							6	6
2D	**5199061**	BOLT, 7/16"-14X1 1/4" (NYLON INSERT)							6	6	6	6				
2B,C,D	**114607**	LOCKWASHER, 7/16" EXT. TOOTH (12.9210)			6	6	6	6	6	6	6	6			6	6
		9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE														
2B,C,D	**5196260**	GASKET			1	1	1	1	1	1	1	1			1	1
		9.1285 - HOUSING, REDUCTION GEAR														
2B	**5197333**	HOUSING, 1.5:1 RED.			1	1										
2C	**5196283**	HOUSING, 2:1 RED.					1	1								
2D	**5196284**	HOUSING, 2.5:1 & 3:1 RED.							1	1	1	1				
2B	**5149684**	HOUSING, 1.5:1 RED.													1	1
2B	**103891**	PLUG, 5/8" EXPANSION (12.9330)			1	1										
2B,C,D	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			6	6	6	6	6	6	6	6				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1285 - HOUSING, REDUCTION GEAR (CONT'D)														
2B,C,D	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)			2	2	2	2	2	2	2	2			2	2
2B,C,D	**180123**	BOLT, 3/8-16X1 1/8 (12.9001)													6	6
2B,C,D	**103321**	LOCKWASHER, 3/8" (12.9200)			6	6	6	6	6	6	6	6			6	6
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)			2	2	2	2	2	2	2	2			2	2
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2B,C,D	**5196285**	GASKET			1	1	1	1	1	1	1	1			1	1
		9.1287 - GEAR, REDUCTION GEAR INPUT														
2B	**5196251**	GEAR (1.5:1 RED.)			1	1									1	1
		9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR														
2D	**5196256**	PLATE, 2.5:1 RED.							1	1						
2D	**5196255**	PLATE, 3:1 RED.									1	1				
		9.1290 - GEAR, REDUCTION GEAR SUN														
2B	**5196263**	GEAR, 1.5:1 RED.			1	1										
2C	**5196264**	GEAR, 2:1 RED.					1	1								
2D	**5196265**	GEAR, 2.5:1 RED.							1	1						
2D	**5196266**	GEAR, 3:1 RED.									1	1				
2B	**5149686**	GEAR, 1.5:1 RED.													1	
2C	**5196267**	RING, SNAP (1 27/32"I.D.)					1	1								
2D	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)							1	1	1	1			1	1
2B	**5196277**	PIN (GEAR DRIVE)			1	1										
2B	**5196278**	PIN, ROLL			1	1										
		9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY														
2B	**5196268**	GEAR ASSY., 1.5:1 RED.			1	1									1	1
2C	**5196269**	GEAR ASSY., 2:1 RED., L.H. (2 DRILL SPOTS ON REAR FACE)					1									
2C	**5196288**	GEAR ASSY., 2:1 RED., R.H.						1								
2D	**5196270**	* GEAR ASSY., 2.5:1 RED. (10 SPLINES)							1	1						
2D	**5198141**	GEAR ASSY., 2.5:1 RED. (24 SPLINES)							AR	AR						
2D	**5196271**	* GEAR ASSY., 3:1 RED. (10 SPLINES)									1	1				
2D	**5197880**	GEAR ASSY., 3:1 RED. (24 SPLINES)									AR	AR				
2B	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)			1	1										

* NOT SERVICED; FOR REPLACEMENT USE 5198141 (2.5:1) OR 5197880 (3:1) GEAR ASSY. AND INCLUDE 1-9422151 BEARING IN 9.1350, 1-5198125 FLANGE IN 9.1430 AND 1-5198128 NUT IN 9.1435.

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9.1000A HYDRAULIC MARINE GEAR

MFG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST														
2C	**5196279**	WASHER (2:1 RED.)					2	2								
		9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
2B,C,D	**5196252**	GEAR, 1.5:1, 2:1, 3:1 RED.			1	1	1	1			1	1			1	1
2D	**5196257**	GEAR, 2.5:1 RED.							1	1						
2B,C,D	**5196253**	RING, SNAP (6 1/4"O.D.)			1	1	1	1			1	1			1	1
2D	**5196258**	RING, SNAP (6 17/32"O.D.)							1	1						
		9.1299 - HUB, REDUCTION GEAR														
2B	**5149690**	HUB													1	1
2B	**5149681**	RING, SNAP													1	1
2B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)													4	4
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
2B	**5196276**	SHAFT, 1.5:1 RED.			1	1										
2C	**5196273**	SHAFT ASSY. (INCLUDES BUSHING) (2:1 RED.)					1	1								
	5199829	BUSHING, 2:1 RED. (9.1087)					1	1								
2B	**5149688**	SHAFT, 1.5:1 RED.													1	1
		9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT														
	5197342	BEARING	1	1									1	1		
2B,C,D	**9413343**	@ BEARING			1	1	1	1	1	1	1	1				
2D	**9422151**	# BEARING							AR	AR	AR	AR				
		@ WITH 10 SPLINE GEAR IN 9.1292.														
		# WITH 24 SPLINE GEAR IN 9.1292.														
		9.1351 - SPACER, REDUCTION GEAR DRIVE SHAFT BEARING														
	5149766	SPACER, BEARING													1	1
		9.1365 - COVER, REDUCTION GEAR BEARING														
	5196227	COVER	1	1									1	1		
2B,C,D	**5196286**	COVER			1	1	1	1	1	1	1	1				
2B,C,D	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6				
2B,C,D	**427567**	BOLT, 7/16"-14X1 1/8 (12.9001)											6	6		
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6	6	6		
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
2B,C,D	**5196228**	GASKET	1	1									1	1		
2B,C,D	**5196287**	GASKET			1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
2B,C,D	**5199391**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1	1	1	1	1		
2B,C,D	**5149676**	SEAL, OIL													1	1
		9.1380 - BAFFLE, MARINE GEAR OIL														
2A	**5196175**	BAFFLE	1	1	1	1	1	1	1	1	1	1			1	1
2A	**5196894**	BAFFLE											1	1		
2A	**5149674**	BAFFLE, OIL													1	1
		9.1395 - DIPSTICK, REDUCTION GEAR														
2A	**5196176**	% DIPSTICK (FILLER CAP) (WITH HOUSING 5196235 OR 5196728)	1	1	1	1	1	1	1	1	1	1				
2A	**5133364**	* DIPSTICK (FILLER PLUG) (WITH HOUSING 5198093 OR 5198094)	1	1	1	1	1	1	1	1	1	1				
2A	**5149802**	DIPSTICK											1	1		
2A	**5149100**	DIPSTICK													1	1
		* NOT SERVICED REPLACE WITH 1-5149100 DIPSTICK & 1-5149061 ADAPTOR.														
		% OBSOLETE.														
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER														
	5196174	TUBE (WITH FILLER CAP TYPE DIPSTICK)	1	1	1	1	1	1	1	1	1	1				
	5149061	TUBE											1	1	1	
		9.1430 - FLANGE, PROPELLER DRIVE														
2B,C,D	**5196796**	* FLANGE (3 1/4"B.C.) (1"-1 1/2" SHAFT) (10 SPLINES)	1	1	1	1	1	1	1	1	1	1	1	1		
2B,C,D	**5196745**	FLANGE (4 1/4"B.C.) (NOT PART OF GEAR ASSY., USED IN PLACE OF5196796 WITH 1 3/4"-2 1/4" SHAFT)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
2D	**5198125**	@ FLANGE (4 1/4"B.C.) (24 SPLINES)							AR	AR	AR	AR				
		* WITH 10 SPLINE GEAR ASSY. IN														
		@ WITH 24 SPLINE GEAR ASSY. IN 9.1292.														
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
2B,C,D	**5196805**	* NUT	1	1	1	1	1	1	1	1	1	1	1	1		
2D	**5198128**	@ NUT							AR	AR	AR	AR				
2B,C,D	**5149755**	NUT													1	1
		* WITH 10 SPLINE GEAR ASSY. IN 9.1292.														
		@ WITH 24 SPLINE GEAR ASSY. IN 9.1292.														

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
2A	**5196214**	PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN9.1505, GEARS AND PLATE NOT SOLD SEPARATELY)	1		1	1	1	1	1	1	1	1	1			
2A	**5196889**	PUMP ASSY.											1	1	1	1
2A	**110533**	SCREW, #10-24X3/4" FL. HD. SL. (12.9030)	2	2	2	2	2	2	2	2	2	2				
2A	**186648**	BOLT, 5/16"-18X1 7/8" (12.9001)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2A	**180082**	BOLT, 5/16"-18X1 3/8" (12.9001)														
2A	**431787**	KEY, 3/16"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5198270**	KEY, 3/16"X51/64"														
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5196216**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5196215**	SEAL, OIL	1	1	1	1	1	1	1	1	1	1				
2A	**5199315**	SEAL, OIL											1	1	1	1
2A	**5149675**	+ SEAL, OIL											1	1		
		+ OPTIONAL.														
		9.1650 - STRAINER, MARINE GEAR OIL														
2A	**5196178**	STRAINER	1	1												
2A	**5198456**	STRAINER			1	1	1	1	1	1	1	1			1	1
2A	**5197331**	STRAINER											1	1		
2A	**5198458**	PIPE, OIL STRAINER											1	1	1	1
2A	**120428**	GASKET, 1" ANNULAR (12.9360)	1	1	1	1	1	1	1	1	1	1				
2A	**5198457**	BUSHING, 3/4"X3/8"											1	1	1	1
2A	**453006**	PLUG, 1" PIPE SQ. SOCKET (12.9550)	1	1	1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)											1	1	1	1
2A	**5142549**	PLUG, 3/4" PIPE (12.9550)											1	1	1	1
		9.1840 - BREATHER, MARINE GEAR														
2A	**5198454**	BREATHER (.338" DRIVE TYPE)	1	1	1	1	1	1					1	1	1	1
2A	**5196177**	BREATHER (3/8"-18 THREAD)	1	1	1	1	1	1	1	1	1	1				
2A	**5197510**	BREATHER (1/2" DRIVE TYPE)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
	5129531	* GEAR ASSY. (DIRECT DRIVE, L.H.)	1													
	5129536	* GEAR ASSY. (DIRECT DRIVE, R.H.)		1												
1A	**5129532**	* GEAR ASSY. (1.5:1 RED., L.H.)			1											
1A	**5129537**	* GEAR ASSY. (1.5:1 RED., R.H.)				1										
1A	**5129533**	* GEAR ASSY. (2:1 RED., L.H.)					1									
1A	**5129538**	* GEAR ASSY. (2:1 RED., R.H.)						1								
1A	**5129534**	* GEAR ASSY. (2.5:1 RED., L.H.)							1							
1A	**5129539**	* GEAR ASSY. (2.5:1 RED., R.H.)								1						
1A	**5129535**	* GEAR ASSY. (3:1 RED., L.H.)									1					
1A	**5129540**	* GEAR ASSY. (3:1 RED., R.H.)										1				
1A	**5106308**	GEAR ASSY. (2:1 REV. R.H.)											1			
1A	**5106309**	GEAR ASSY. (2:1 REV. L.H.)												1		
1A	**5106310**	GEAR ASSY. (2.5:1 REV. R.H.)													1	
1A	**5106311**	GEAR ASSY. (2.5:1 REV. L.H.)														1
		* NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2A	**5198322**	@ ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1					1	1	1	1
2A	**5196179**	* ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1				
2A	**455724**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5197537**	BOLT, 3/8"-16X1 1/4" (12 PT. HD.)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		@ EFF. WITH SERIAL NO. 26656 (D.D.), 6260 (1.5:1), 2382 (2:1) AND 571 (3:1).														
		* THRU SERIAL NO. 26655 (D.D.), 6259 (1.5:1), 2381 (2:1), AND 570 (3:1).														
		9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR														
2A	**5196181**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1010 - HOUSING, MARINE GEAR														
		A HOUSING ASSY. INCLUDES BUSHING IN 9.1010 AND TUBE IN 9.1410.														
2A	**5197092**	# HOUSING ASSY. (DIRECT DRIVE)	1	1												
2A	**5198093**	& HOUSING ASSY. (DIRECT DRIVE)	1	1												
2A	**5196728**	= HOUSING ASSY. (REDUCTION DRIVE)			1	1	1	1	1	1	1	1				
2A	**5198094**	& HOUSING ASSY. (REDUCTION DRIVE)			1	1	1	1	1	1	1	1				
2A	**5149807**	HOUSING ASSY.											1	1	1	1
	5149693	NAME PLATE											1			
	5149694	NAME PLATE												1		
	5149823	NAME PLATE													1	
	5149824	NAME PLATE														1
2A	**5196511**	BUSHING (OUTPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
2A	**190073**	SCREW, DRIVE #2X3/16" (12.9067)											2	2	2	2
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2				
	9421745	PLUG (1/2" CUP)							1	1	1	1				
	5198461	PLUG (.338" DIA. CUP)							1	1	1	1				
		# PRIOR TO GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2:1), 1614 (2.5:1) AND 367 (3:1). NOT SERVICED; REPLACE WITH 5198093 HOUSING & 5149100 DIPSTICK & 1-5149061 ADAPTOR.														

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1010 - HOUSING, MARINE GEAR (CONT'D)														
		& EFF. WITH GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5 1), 672 (2 1), 1614 (2.5 1) & 367 (3 1).														
		= NOT SERVICED REPLACE WITH 5198094 PLUS 1-5149100 DIPSTICK & 1-5149061 ADAPTOR.														
		9.1026 - SHAFT, MARINE GEAR INPUT														
2A	**5198244**	SHAFT (INCLUDES FLANGE KEY IN 9.1475)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
2A	**9413342**	BEARING	1	1	1	1	1	1	1	1	1	1				
2A	**5149670**	BEARING											1	1	1	1
2A	**3709351**	RING, SNAP (1 1/4"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196193**	RING, SNAP (2 1/4"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1030 - PISTON, REVERSE CLUTCH														
2A	**5196183**	PISTON	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1035 - SEAL, REVERSE CLUTCH PISTON														
	5196188	SEAL, RING (3 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196180**	SEAL, RING (7 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1045 - PLATE, REVERSE CLUTCH														
2A	**5196730**	PLATE (SPLINED)	2	2	2	2	2	2	2	2	2	2				
2A	**5196303**	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5149757**	PLATE											2	2	2	2
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
2A	**5196186**	SPRING	12	12	12	12	12	12	12	12	12	12	12	12	12	12
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
2A	**5196184**	PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**3712718**	PIN (.623"L.)	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1080 - GEAR ASSY., MARINE GEAR PLANETARY														
		INCLUDES BUSHINGS IN 9.1087.														
2A	**5196210**	GEAR ASSY. (DIRECT DRIVE)	1	1												
2A	**5196244**	GEAR ASSY. (1.5:1 RED.)			1	1										
2A	**5196245**	GEAR ASSY. (2:1 RED.)					1	1								
2A	**5196246**	GEAR ASSY. (2.5:1 & 3:1 RED.)							1	1	1	1				
2A	**5149810**	GEAR ASSY. (2.1:1 RED.)											1	1		
2A	**5149811**	GEAR ASSY. (2.6:1 RED.)													1	1
		9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST														
2A	**5196211**	WASHER (1 3/4"O.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196213**	WASHER (2 5/8"O.D.) (1.5 & 2:1 RED.)			1	1	1	1								
2A	**5149762**	WASHER, THRUST											1	1		
		9.1087 - BEARING, MARINE GEAR PLANETARY GEAR														
2B	**5199063**	BEARING			1	1										
2D	**5197342**	BEARING							1	1	1	1				
	5199829	BUSHING	2	2	3	3	2	2	2	2	2	2	2	2	2	2
2D	**5196259**	RING, SNAP (1 27/64" DIA.)							1	1	1	1			1	1
2B	**5196254**	RING, SNAP (2 1/16" DIA.)			1	1										
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2A	**5196208**	GEAR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196199**	RING, SNAP (5 7/8"O.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1093 - SHAFT, OUTPUT AND BUSHING ASSEMBLY														
	5149817	SHAFT											1	1		
	5149820	SHAFT													1	1
		9.1097 - BEARING, OUTPUT SHAFT														
2B	**5149679**	CUP, BEARING											1	1	1	1
2B	**5149677**	CUP, BEARING											1	1	1	1
2B	**5149680**	CONE, BEARING											1	1	1	1
2B	**5149678**	CONE, BEARING											1	1	1	1
		9.1135 - VALVE ASSY., SELECTOR														
2A	**5196217**	VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160)	1	1	1	1	1	1	1	1	1	1				
2A	**5149763**	VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160)											1	1	1	1
		9.1137 - VALVE, SELECTOR														
2A	**5196218**	VALVE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5149673**	VALVE											1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER		NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
9.1155 - SPRING, SELECTOR VALVE																
2A	**5196219**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196220**	RETAINER, SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5149764**	SPRING											1	1	1	1
2A	**5196212**	RING, SNAP	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9.1157 - CAM, NEUTRAL																
2A	**5149936**	CAM											1	1	1	1
2A	**179796**	BOLT, 1/4"-20X7/8" (12.9001)											3	3	3	3
2A	**103319**	LOCKWASHER, 1/4" (12.9200)											3	3	3	3
9.1160 - SEAL, SELECTOR VALVE OIL																
2A	**5196222**	SEAL RING	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1175 - LEVER, SELECTOR VALVE														
2A	**5197136**	LEVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196221**	SPRING (DETENT)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5149768**	SWITCH AND COVER ASSY.											1	1	1	1
2A	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**103340**	WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**108579**	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**114493**	NUT, 5/16"-24 (12.9120)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1178 - COVER, SELECTOR VALVE														
2A	**5196224**	COVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5149765**	COVER											1	1	1	1
2A	**186630**	BOLT, 1/4"-20X5/8" (12.9001)	3	3	3	3	3	3	3	3	3	3				
2A	**103319**	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3	3	3	3	3				
		9.1179 - GASKET, SELECTOR VALVE COVER														
2A	**5196225**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2A	**5196194**	CYLINDER	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196198**	SEAL RING (ON OUTPUT SHAFT)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2A	**5149755**	SEAL RING											4	4	4	4
		9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST														
2A	**5196881**	WASHER (.063" THICK)	1	1	AR	AR	AR	AR	1	1	1	1	1	1	1	1
2A	**5196882**	WASHER (.087" THICK)			AR	AR	AR	AR								
		9.1225 - PISTON, FORWARD CLUTCH														
2A	**5196196**	PISTON	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1230 - SEAL, FORWARD CLUTCH PISTON														
2A	**5196195**	SEAL RING (2.016"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196197**	SEAL RING (4.120"I.D.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH														
2A	**5196202**	PLATE (INNER)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196205**	PLATE (OUTER)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5197160**	PLATE	5	5	5	5	5	5	5	5	5	5				

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	9.1235 - PLATE, FORWARD CLUTCH (CONT'D)														
2A	**5196203**	PLATE (STEEL)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
2A	**5149809**	PLATE (INNER)										5	5	5	5
	9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2A	**5196201**	SPRING	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196200**	RING, SNAP (3" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196209**	RING, SNAP (5 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9.1242 - HUB, FORWARD CLUTCH														
2A	**5196206**	HUB	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196207**	RING, SNAP (1 21/32" DIA.)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**218211**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9.1282 - PLATE, REDUCTION GEAR ADAPTOR														
2B	**5199039**	* PLATE (1.5:1 RED.)			1	1										
2C	**5197335**	PLATE (2:1 RED.)					1	1					1	1		
2C	**5196247**	@ PLATE (2:1 RED.)					1	1								
2D	**5196248**	PLATE (2.5:1 & 3:1 RED.)							1	1	1	1				
2B	**5197338**	PLATE (2.6:1 RED.)													1	1
2B,C	**5199060**	BOLT, 7/16"-14X1" (SPECIAL NYLON INSERT)			6	6	6	6					6	6		
2[illegible]	**5199061**	BOLT, 7/16"-14X1 1/4" (NYLON INSERT)							6	6	6	6			6	6
[illegible]D	**114607**	LOCKWASHER, 7/16" EXT. TOOTH (12.9210)			6	6	6	6	6	6	6	6	6	6	6	6
		* USED WITH 5199063 BEARING IN 9.1087.														
		@ THRU GEAR SERIAL 4327; USE 5197335 EFF. WITH 4328.														
	9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE														
2B,C,D	**5196260**	GASKET			1	1	1	1	1	1	1	1	1	1	1	1
	9.1285 - HOUSING, REDUCTION GEAR														
2B	**5197333**	HOUSING (1.5:1 RED.)			1	1										
2B	**5196282**	& HOUSING (1.5:1 RED.)			1	1										
2B	**5197334**	# HOUSING (2:1 RED.)					1	1								
2C	**5196283**	# HOUSING (2:1 RED.)					1	1								
2D	**5196284**	HOUSING (2.5:1 & 3:1 RED.)							1	1	1	1				
2C	**5149685**	HOUSING (2.1:1 RED.)											1	1		
2B	**5149684**	HOUSING (2.6:1 RED.)													1	1
2B	**103891**	PLUG, 5/8" EXPANSION (12.9330)			1	1										
2B,C,D	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			6	6	6	6	6	6	6	6				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1285 - HOUSING, REDUCTION GEAR (CONT'D)														
2B,C,D	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)			2	2	2	2	2	2	2	2	2	2	2	2
2B,C,D	**179857**	BOLT, 7/16"-14X7/8" (12.9001)													2	2
2B,C,D	**180123**	BOLT, 3/8"-16X1 1/8" (12.9001)											6	6	6	6
2B,C,D	**103321**	LOCKWASHER, 3/8" (12.9200)			6	6	6	6	6	6	6	6	6	6	6	6
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)			2	2	2	2	2	2	2	2	2	2	2	2
		& THRU GEAR SERIAL NO. 9421; USE 5197333 EFF. WITH 9422.														
		# NOT SERVICED; FOR REPLACEMENT THRU GEAR SERIAL NO. 8482 USE 5199427 HOUSING CONVERSION KIT. USE 5199398 HOUSING FOR REPLACEMENT EFF. WITH GEAR SERIAL NO. 8483.														
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2B,C,D	**5196285**	GASKET			1	1	1	1	1	1	1	1	1	1	1	1
		9.1287 - GEAR, REDUCTION GEAR INPUT														
2B	**5196251**	GEAR (1.5:1 RED.)			1	1										
		9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR														
2D	**5196256**	PLATE (2.5:1 RED.)							1	1					1	
2D	**5196255**	PLATE (3:1 RED.)									1	1				
		9.1290 - GEAR, REDUCTION GEAR SUN														
2B	**5196263**	GEAR (1.5:1 RED.)			1	1										
2C	**5196264**	GEAR (2:1 RED.)					1	1								
2D	**5196265**	GEAR (2.5:1 RED.)							1	1					1	1
2D	**5196266**	GEAR (3:1 RED.)									1	1				
2C	**5149687**	GEAR (2.1:1 RED.)											1	1		
2C	**5196267**	RING, SNAP (1 27/32"I.D.)					1	1					1	1		
2D	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)							1	1	1	1			1	1
2B	**5196277**	PIN (GEAR DRIVE)			1	1										
2B	**5196278**	PIN, ROLL				1										
		9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY														
2B	**5196268**	GEAR ASSY. (1.5:1 RED.)			1	1										
2C	**5196269**	GEAR ASSY. (2:1 RED., L.H.) (2 DRILL SPOTS ON REAR FACE)					1									
2C	**5196288**	GEAR ASSY. (2:1 RED., R.H.)						1								
2D	**5196270**	* GEAR ASSY. (2.5:1 RED.) (10 SPLINES)							1	1						

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY (CONT'D)														
2D **5198141**	% GEAR ASSY. (2.5:1 RED.) (24 SPLINES)							AR	AR						
2D **5196271**	* GEAR ASSY. (3:1 RED.) (10 SPLINES)									1	1				
2D **5197880**	GEAR ASSY. (3:1 RED.) (24 SPLINES)									AR	AR				
2C **5149701**	GEAR ASSY. (2.1:1 RED.)											1			
2C **5149703**	GEAR ASSY. (2.1:1 RED.)												1		
2B **5149825**	GEAR ASSY. (2.6:1 RED.)													1	1
2B **3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)			1	1										
	* NOT SERVICED; FOR REPLACEMENT USE 5198141 (2.5:1) OR 5197880 (3:1) GEAR ASSY. AND INCLUDE 1-9422151 BEARING IN 9.1350, 1-5198125 FLANGE IN 9.1430 AND 1-5198128 NUT IN 9.1435.														
	% NOT SERVICED, FOR SERVICE USE 5196544.														
	9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST														
2C **5196279**	WASHER (2:1 RED.)					2	2					2	2		
	9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
2B,C,D **5196252**	GEAR (1.5:1, 2:1, 3:1 RED.)			1	1	1	1			1	1	1	1		
2D **5196257**	GEAR (2.5:1 RED.)							1	1					1	1
2B,C,D **5196253**	RING, SNAP (6 1/4"O.D.)			1	1	1	1			1	1	1	1		
2 **5196258**	RING, SNAP (6 17/32"O.D.)							1	1					1	1
	9.1340 - SHAFT, REDUCTION GEAR DRIVE														
2B **5196276**	SHAFT (1.5:1 RED.)			1	1										
2C **5196273**	SHAFT ASSY. (INCLUDES BUSHING) (2:1 RED.)					1	1								
2B **5149704**	SHAFT ASSY. (INCLUDES BUSHING) (2.1:1 RED.)												1	1	
5199829	BUSHING (2:1 RED.) (9.1087)					1	1						1	1	
	9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT														
2B **5197342**	BEARING	1	1											1	1
2B,C,D **9413343**	* BEARING			1	1	1	1	1	1	1	1				
2D **9422151**	* BEARING							AR	AR	AR	AR				
	* WITH 10 SPLINE GEAR IN 9.1292. @ WITH 24 SPLINE GEAR IN 9.1292.														
	9.1351 - SPACER, REDUCTION GEAR DRIVE SHAFT BEARING														
5149766	SPACER, BEARING											1	1	1	1
	9.1365 - COVER, REDUCTION GEAR BEARING														
2B,C,D **5196227**	COVER	1	1												
2B,C,D **5196286**	COVER			1	1	1	1	1	1	1	1				
2B,C,D **193221**	BOLT, 7/16"-14X1 1/4" (12.9001)	6	6	6	6	6	6	6	6	6	6				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1365 - COVER, REDUCTION GEAR BEARING (CONT'D)														
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6				
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
2B,C,D	**5196228**	GASKET	1	1												
2B,C,D	**5196287**	GASKET			1	1	1	1	1	1	1	1				
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
2B,C,D	**5199391**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1	1	1				
2B,C,D	**5149676**	SEAL, OIL											1	1	1	1
		9.1380 - BAFFLE, MARINE GEAR OIL														
2A	**5196175**	BAFFLE			1	1	1	1	1	1	1	1	1	1	1	1
2A	**5196894**	BAFFLE	1	1												
2A	**5149682**	BAFFLE													1	1
2A	**5149674**	BAFFLE, OIL											1	1	1	1
		9.1395 - DIPSTICK, MARINE GEAR														
2A	**5196176**	% * DIPSTICK (FILLER CAP)	1	1	1	1	1	1	1	1	1	1				
	5133364	@ DIPSTICK (FILLER PLUG)	1	1	1	1	1	1	1	1	1	1				
2A	**5149100**	DIPSTICK											1	1	1	
		* PRIOR TO GEAR SERIAL NOS. 16338 (D.D.) 883 (1.5:1), 672 (2:1), 1614 (2.5:1) AND 367 (3:1).														
		@ EFFECTIVE WITH GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2:1), 1614 (2.5:1) AND 367 (3:1). NOT SERVICED USE 5149100 & 1-5149061 ADAPTOR.														
		% OBSOLETE.														
		9.1410 - TUBE, MARINE GEAR OIL FILLER														
	5196174	* TUBE (WITH FILLER CAP TYPE DIPSTICK)	1	1	1	1	1	1	1	1	1	1				
	5149061	TUBE											1	1	1	1
		* PRIOR TO GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2:1), 1614 (2.5:1) & 367 (3:1).														
		9.1430 - FLANGE, PROPELLER DRIVE														
2B,C,D	**5196796**	# FLANGE (3 1/4"B.C.) (1"-1 1/2" SHAFT)	1		1	1	1	1	1	1	1	1				
2B,C,D	**5196745**	FLANGE (4 1/4" B.C.) (NOT PART OF GEAR ASSY. USED IN PLACE OF 5196796 WITH 1 3/4"-2 1/4" SHAFT)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	9.1430 - FLANGE, PROPELLER DRIVE (CONT'D)														
2D	**5198125**	& FLANGE (4 1/4"B.C., 24 SPLINES)						AR	AR	AR					
		# WITH 10 SPLINE GEAR ASSY. IN 9.1292.													
		& WITH 24 SPLINE GEAR ASSY. IN 9.1292.													
	9.1435 - NUT, PROPELLER DRIVE FLANGE														
2B,C,D	**5196805**	# NUT	1	1	1	1	1	1	1	1	1				
1D	**5198128**	& NUT						AR	AR	AR	AR				
2B,C,D	**5149767**	NUT										1	1	1	1
		# WITH 10 SPLINE GEAR ASSY. IN 9.1292.													
		& WITH 24 SPLINE GEAR ASSY. IN 9.1292.													
	9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
2A	**5198459**	@ PUMP ASSY. (INCLUDES SEAL IN 9.1505)	1	1	1	1	1	1	1	1	1				
2A	**5196889**	% PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN 9.1505)	1	1	1	1	1	1	1	1	1	1	1	1	1
	5198270	@ KEY, 3/16" FLANGED	1	1	1	1	1	1		1	1	1	1	1	1
2A	**431787**	% KEY, 3/16"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1				
2A	**110533**	% SCREW, #10-24X3/4" FL. HD. SL. (12.9030)	2	2	2	2	2	2	2	2	2				
	180083	@ BOLT, 5/16"-18X1 1/2" (12.9001)	4	4	4	4	4	4		4	4				
2A	**186648**	% BOLT, 5/16"-18X1 7/8" (12.9001)	4	4	4	4	4	4	4	4	4				
2A	**180082**	BOLT, 5/16"-18X1 3/8" (12.9001)										4	4	4	4
		@ EFF. WITH GEAR SERIAL NOS. 26656 (D.D.), 6260 (1.5:1), 2882 (2:1), & 571 (3:1).													
		% THRU GEAR SERIAL NOS. 26655 (D.D.), 6259 (1.5:1), 2381 (2:1).													
	9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5196216**	GASKET	1	1	1	1	1	1	1	1	1	1	1	1	1
	9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5199315**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1	1	1	1	1	1
2A	**5149675**	SEAL, OIL											1		

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1650 - STRAINER, MARINE GEAR OIL														
2A	**5197331**	STRAINER	1	1												
2A	**5196895**	STRAINER	1	1												
2A	**5198456**	STRAINER			1	1	1	1	1	1	1	1			1	1
2A	**120428**	GASKET, 1" ANNULAR (12.9360)			1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	1	1									1	1	1	1
	5142549	PLUG, 3/4" PIPE (12.9550)			1	1	1	1					1	1		
2A	**453006**	PLUG, 1" PIPE (12.9550)			1	1	1	1	1	1	1	1				
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)											1	1	1	1
	5199386	DEFLECTOR, OIL (IN MAIN HOUSING)					1	1					1	1		
	5198458	PIPE, OIL STRAINER	1	1			1	1							1	1
	5199388	SPRING, OIL DEFLECTOR					1	1					1	1		
	5199387	WASHER, DEFLECTOR SPRING					1	1					1	1		
	5198457	BUSHING, 3/4"X3/8" RED.	1	1			1	1							1	1
		9.1840 - BREATHER, MARINE GEAR														
2A	**5198454**	BREATHER (.338" DRIVE TYPE)	1	1	1	1	1	1					1	1	1	1
2A	**5197510**	BREATHER (1/2" DRIVE TYPE)	1	1	1	1	1	1	1	1	1	1				
2A	**5196177**	BREATHER (3/8"-18 THREAD)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
	5129455	# GEAR ASSY. (DIRECT DRIVE, L.H.)	1													
	5129456	# GEAR ASSY. (DIRECT DRIVE, R.H.)		1												
1A	**5134073**	# GEAR ASSY. (2.5:1 RED., R.H.)			1											
1A	**5134100**	# GEAR ASSY. (2.5:1 RED., L.H.)				1										
1A	**5134074**	# GEAR ASSY. (3:1 RED., R.H.)					1									
1A	**5134101**	# GEAR ASSY. (3:1 RED., L.H.)						1								
	5106314	GEAR ASSY. (DIRECT DRIVE R.H.)							1							
	5106315	GEAR ASSY. (DIRECT DRIVE L.H.)								1						
1A	**5106325**	GEAR ASSY. (2:1 RED., L.H.)									1					
1B	**5130522**	# GEAR ASSY. (2:1 RED., L.H.)										1				
		# NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2A	**5196179**	* ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1								
2A	**5198322**	@ ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1				
2A	**455724**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1	1	1				
2A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1				
2A	**5197537**	BOLT, 3/8"-16X1 1/4" 12 PT. HD.	4	4	4	4	4	4	4	4	4	4				
		* THRU GEAR SERIAL NO. 2407 (2.5:1), 102 (3:1).														
		@ EFFECTIVE WITH GEAR SERIAL NO. 2408 (2.5:1) AND 103 (3:1).														
		9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR														
	5196181	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1010 - *HOUSING, MARINE GEAR*														
		A HOUSING ASSY. INCLUDES BUSHING 9.1010 AND TUBE IN 9.1410.														
2A	**5196892**	& HOUSING ASSY. (DIRECT DRIVE)	1	1												
2A	**5198094**	HOUSING ASSY. (REDUCTION DRIVE)			1	1	1	1								
2A	**5149808**	HOUSING ASSY. (DIRECT DRIVE)							1	1						
2A	**5149754**	HOUSING ASSY. (REDUCTION DRIVE)									1					
2A	**5198096**	HOUSING ASSY. (REDUCTION DRIVE)										1				
2A	**5196511**	BUSHING (OUTPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
	5197336	+ BUSHING (OUTPUT SHAFT)										2				
	5149826	PLATE, NAME							1							
	5149827	PLATE, NAME								1						
	5149843	PLATE, NAME									1					
	5197210	+ PLATE, NAME										1				
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	2	2	2	2	2	2	1	1	1	3				
	9421745	PLUG (1/2" CUP)			1	1	1	1								
	5198461	PLUG (.338" DIA. CUP)			1	1	1	1								
2A	**190073**	SCREW, #2X3/16" (12.9067)							2	2	2	2				
		& NOT SERVICED; REPLACE WITH 1-5198093 HOUSING, 2-5196730 PLATE, 3-3712718 DOWEL PINS, 1-5149100 DIPSTICK & 1-5149061 ADAPTOR.														
		+ *OBSOLETE.*														

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9.1000A HYDRAULIC MARINE GEAR

9.1026 - SHAFT, MARINE GEAR INPUT

FIG	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
			COLUMN													
2A	**5196192**	* SHAFT	1	1												
2A	**5198371**	SHAFT										1				
	5198244	SHAFT ASSY. (INCLUDES FLANGED KEY IN 9.1475)			1	1	1	1	1	1	1					

* OBSOLETE.

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
2A	**9413342**	BEARING	1	1	1	1	1	1								
2A	**9416195**	BEARING							1	1	1	1				
2A	**3709351**	RING, SNAP (1 1/4"I.D.)	1	1	1	1	1	1								
2A	**5196193**	RING, SNAP (2 1/4"I.D.)	1	1	1	1	1	1								
2A	**5196545**	RING, SNAP							1	1	1	1				
2A	**5196543**	RING, SNAP							1	1	1	1				
		9.1030 - PISTON, REVERSE CLUTCH														
2A	**5196183**	PISTON	1	1	1	1	1	1	1	1	1	1				
		9.1035 - SEAL, REVERSE CLUTCH PISTON														
2A	**5196188**	SEAL, RING (3 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196180**	SEAL, RING (7 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
		9.1045 - PLATE, REVERSE CLUTCH														
2A	**5196303**	PLATE	1	1	1	1	1	1	1	1	2	2				
2A	**5196185**	PLATE (SPLINED)	2	2												
2A	**5196730**	PLATE (SPLINED)			2	2	2	2				3				
2A	**5149757**	PLATE							2	2	3					
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
2A	**5196186**	SPRING	12	12	12	12	12	12	12	12	12	12				
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
2A	**5196184**	PLATE	1	1	1	1	1	1	1	1	1	1				
2A	**5196187**	PIN	3	3												
2A	**3712718**	PIN (.623"L.)			3	3	3	3	3	3	3					
2A	**5196733**	PIN (27/32"L.)										3				
		9.1080 - GEAR ASSY., MARINE GEAR PLANETARY														
		INCLUDES BUSHINGS IN 9.1087.														
2A	**5196210**	GEAR ASSY. (DIRECT DRIVE)	1	1												
2A	**5196246**	GEAR ASSY. (2.5:1 & 3:1 RED.)			1	1	1	1								
2A	**5197209**	GEAR ASSY. (2:1 RED.)										1				
		9.1081 - CAGE, PLANETARY GEAR														
2A	**5149812**	CAGE PINION AND SHAFT ASSY.							1	1						
2A	**5149815**	CAGE PINION AND SHAFT ASSY.									1					
2A	**5149702**	CAGE PINION AND SHAFT DRIVEN ASSY.									1					
2A	**5196804**	CAGE PINION AND SHAFT ASSY. (9.1080)										1				
2A	**5196272**	SCREEN, PLANETARY GEAR (9.1080)										1				
2A	**5197230**	BOLT, 5/16"-18X3/4" (9.1080)										6				
2A	**103320**	LOCKWASHER, 5/16" (12.9200)										6				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M
		9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST													
2A	**5196211**	WASHER (1 3/4"O.D.)	1	1	1	1	1	1	1	1	1	1			

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1087 - BEARING, MARINE GEAR PLANETARY GEAR														
2D	**5196226**	BEARING (2.5:1 & 3:1 RED.) (9.1350)			1	1	1	1								
2D	**5197342**	BEARING										1				
	5199829	BUSHING	2	2	2	2	2	2	2	2	2					
2D	**5196259**	RING, SNAP (1 27/64" DIA.)			1	1	1	1			1	1				
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2A	**5196208**	GEAR	1	1	1	1	1	1								
2A	**5196199**	RING, SNAP (5 7/8"O.D.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196549**	GEAR, RING							1	1	1	1				
		9.1093 - SHAFT, MARINE GEAR OUTPUT														
		INCLUDES BUSHING IN 9.1087														
	5149821	SHAFT AND BUSHING ASSY.							1	1						
	5149818	SHAFT AND BUSHING ASSY.									1					
		9.1097 - BEARING, OUTPUT SHAFT														
2B	**5149679**	CUP, BEARING									1					
2B	**5149677**	CUP, BEARING									1					
2B	**5149678**	CONE, BEARING									1					
2B	**5149680**	CONE, BEARING									1					
		9.1135 - VALVE ASSY., SELECTOR														
		INCLUDES ITEMS IN 9.1137 THRU 9.1160														
2A	**5196217**	VALVE ASSY.	1	1	1	1	1	1				1				
2A	**5149763**	VALVE ASSY.							1	1	1					
		9.1137 - VALVE, SELECTOR														
2A	**5196218**	VALVE	1	1	1	1	1	1	1	1	1	1				
2A	**5149673**	VALVE							1	1	1					
		9.1155 - SPRING, SELECTOR VALVE														
2A	**5196219**	SPRING	1	1	1	1	1	1				1				
2A	**5149764**	SPRING							1	1	1					
2A	**5196220**	RETAINER, SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196212**	RING, SNAP	1	1	1	1	1	1	1	1	1	1				
		9.1157 - CAM, NEUTRAL														
2A	**5149936**	CAM							1	1	1					
2A	**179796**	BOLT, 1/4"-20X7/8" (12.9001)							3	3	3					
2A	**103321**	LOCKWASHER, 1/4" (12.9200)							3	3	3					
		9.1160 - SEAL, SELECTOR VALVE OIL														
2A	**5196222**	SEAL RING	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1175 - LEVER, SELECTOR VALVE														
2A	**5197136**	LEVER	1	1	1	1	1	1	1	1	1	1				
2A	**5149768**	SWITCH AND COVER ASSY.							1	1	1					
2A	**5196221**	SPRING (DETENT)	1	1	1	1	1	1	1	1	1	1				
2A	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1				
2A	**120393**	WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1				
2A	**108579**	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1				
2A	**114493**	NUT, 5/16"-24 (12.9120)	1	1	1	1	1	1	1	1	1	1				
		9.1178 - COVER, SELECTOR VALVE														
2A	**5196224**	COVER	1	1	1	1	1	1				1				
2A	**5149765**	COVER							1	1	1					
2A	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	3	3	3	3	3	3				3				
3A	**103319**	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3				3				

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	9.1179 - GASKET, SELECTOR VALVE COVER														
2A **5196225**	GASKET	1	1	1	1	1	1	1	1	1	1				
	9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2A **5196194**	CYLINDER	1	1	1	1	1	1								
2A **5196546**	CYLINDER							1	1	1	1				
2A **5196198**	SEAL RING (ON INPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
2A **5149755**	SEAL RING							4	4	4					
	9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST														
2A **5196881**	WASHER, .063" THICK	1	1	1	1	1	1	1	1	1	1				
	9.1225 - PISTON, FORWARD CLUTCH														
2A **5196196**	PISTON	1	1	1	1	1	1	1	1	1	1				
	9.1230 - SEAL, FORWARD CLUTCH PISTON														
2A **5196195**	SEAL RING (2.016"I.D.)	1	1	1	1	1	1	1	1	1	1				
2A **5196197**	SEAL RING (4.120"I.D.)	1	1	1	1	1	1	1	1	1	1				
	9.1235 - PLATE, FORWARD CLUTCH														
5196202	PLATE (INNER)	1	1	1	1	1	1	1	1	1	1				
2A **5196205**	PLATE (OUTER)	1	1	1	1	1	1	1	1	1	1				
2A **5197160**	PLATE	5	5	5	5	5	5				7				
2A **5196203**	PLATE (STEEL)	4	4	4	4	4	4	6	6	6	6				
2A **5149809**	PLATE (INNER)							7	7	7					
2A **5149758**	PLATE ASSY.							1	1	1					
2A **5196770**	SHIM (SNAP RING) (.050")							1	1	1	1				
2A **5196771**	SHIM (SNAP RING) (.075")							1	1	1	1				
2A **5196772**	SHIM (SNAP RING) (.100")							1	1	1	1				
2A **5149759**	SNAP RING (12.9645)							1	1	1					
	9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2A **5196201**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A **5196200**	RING, SNAP (3/8"DIA.)	1	1	1	1	1	1	1	1	1	1				
2A **5196209**	RING, SNAP (5 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
	9.1242 - HUB, FORWARD CLUTCH														
2A **5196206**	HUB	1	1	1	1	1	1								
2A **5196547**	HUB							1	1	1	1				
2A **5196207**	RING, SNAP (1 21/32" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A **218211**	KEY, 1/4"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1								
2A **124553**	KEY, 1/4"X1" WOODRUFF (12.9350)										1				
	9.1282 - PLATE, REDUCTION GEAR ADAPTOR														
2A **5197338**	PLATE (2.5:1 & 3:1 RED.)			1	1	1	1			1					
2C **5198554**	PLATE (1.9:1 RED.)										1				
2B,C **5199060**	BOLT, 7/16"-14X1" (NYLON INSERT)										6				
2D **5199061**	BOLT, 7/16"-14X1 1/4" (NYLON INSERT)			6	6	6	6			6					

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1282 - PLATE, REDUCTION GEAR ADAPTOR (CONT'D)														
2B,C,D	**114607**	LOCKWASHER, 7/16" EXT. TOOTH (12.9210)			6	6	6	6			6	6				

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE														
2B,C,D	**5196260**	GASKET			1	1	1	1			1	1				
		9.1285 - HOUSING, REDUCTION GEAR														
2D	**5197337**	HOUSING (2.5:1 & 3:1 RED.)			1	1	1	1								
2B	**5149684**	HOUSING									1					
2B	**5197334**	# HOUSING (2:1 RED.)										1				
2B,D	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			6	6	6	6				6				
2B,D	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)			2	2	2	2			2	2				
2B	**180123**	BOLT, 3/8"-16X1 1/8" (12.9001)									6					
2B,D	**103321**	LOCKWASHER, 3/8" (12.9200)			6	6	6	6			6	6				
2B,D	**103322**	LOCKWASHER, 7/16" (12.9200)			2	2	2	2			2	2				
		# NOT SERVICED, FOR REPLACEMENT *THRU GEAR SERIAL NO. 6443 USE* 5199427 HOUSING CONVERSION KIT. *USE* 5199398 HOUSING FOR *REPLACEMENT EFFECTIVE WITH GEAR SERIAL NO. 6444.*														
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2B,C,D	**5196285**	GASKET			1	1	1	1			1	1				
		9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR														
	5196256	PLATE (2.5:1 RED.)			1	1										
2D	**5196255**	PLATE (3:1 RED.)					1	1			1					
		9.1290 - GEAR, REDUCTION GEAR SUN														
2D	**5196265**	GEAR (2.5:1 RED.)			1	1										
2D	**5196266**	GEAR (3:1 RED.)					1	1			1	1				
2D	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)			1	1	1	1			1	1				
		9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY														
2D	**5198141**	* GEAR ASSY. (2.5:1 RED.)			1	1										
2D	**5197880**	GEAR ASSY. (3:1 RED.)					1	1								
		* *NOT SERVICED, FOR SERVICE USE* 5196544.														
		9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
2B,C,D	**5196252**	GEAR (1.5:1, 2:1, 3:1 RED.)					1	1			1	1				
2D	**5196257**	GEAR (2.5:1 RED.)			1	1										
2B,C,D	**5196253**	RING, SNAP (6 1/4"O.D.)					1	1			1	1				
2D	**5196258**	RING, SNAP (6 17/32"O.D.)			1	1										
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
2B	**5197211**	SHAFT										1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT														
2B	**5197342**	BEARING	1	1							1					
2B,C,D	**9422151**	BEARING			1	1	1	1								
2B,C,D	**5199316**	BEARING								1						
2B,C,D	**9413343**	BEARING										1				
		9.1351 - SPACER, REDUCTION GEAR DRIVE SHAFT BEARING														
	5149766	SPACER									1					
		9.1365 - COVER, REDUCTION GEAR BEARING														
2B,C,D	**5196227**	COVER	1	1												
2B,C,D	**5196286**	COVER			1	1	1	1				1				
2B,C,D	**5196765**	COVER								1	1					
2B,C,D	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)	6	6	6	6	6	6				6				
2B,C,D	**454933**	BOLT, 7/16"-14X1 1/8" (12.9001)								6	6					
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6		6	6	6				
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
2B,C,D	**5196228**	GASKET	1	1												
2B,C,D	**5196287**	GASKET			1	1	1	1				1				
2B,C,D	**5196766**	GASKET								1	1					
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
2B,C,D	**5199391**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1		1				
2B,C,D	**5149676**	SEAL, OIL									1					
		9.1380 - BAFFLE, MARINE GEAR OIL														
2A	**5196894**	BAFFLE	1	1												
2A	**5196175**	BAFFLE			1	1	1	1	1	1	1	1				
		9.1386 - BAFFLE, REDUCTION HOUSING OIL														
	5149682	BAFFLE, OIL									1					
2A	**5149674**	BAFFLE, OIL									1					
	179857	BOLT, 7/16"-14X7/8" (12.9001)									2					
		9.1395 - DIPSTICK, REDUCTION GEAR														
2A	**5196176**	% DIPSTICK (FILLER CAP) (WITH 5196892 HOUSING)	1	1												
	5133364	* DIPSTICK (FILLER PLUG) (WITH 5198093 OR 5198094 HOUSING)	1	1	1	1	1	1								
2A	**5149802**	DIPSTICK							1	1						
2A	**5149100**	DIPSTICK									1	1				

* NOT SERVICED USE 5149100 PLUS 1-5149061 ADAPTOR.
% OBSOLETE.

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER														
	5196174	TUBE (WITH FILLER CAP TYPE DIPSTICK)	1	1												
2E	**5149061**	* ADAPTOR, DIPSTICK (3/4"-14 PIPE)	1	1	1	1	1	1	1	1	1	1				
		* USE WITH 5149100 IN 5198093 OR 5198094 HOUSING.														
		9.1430 - FLANGE, PROPELLER DRIVE														
2B,C,D	**5196796**	FLANGE (3 1/4"B.C.) (1"-1 1/2" SHAFT)	1	1												
2B,C,D	**5196745**	FLANGE (4 1/4" B.C.) (NOT PART OF GEAR ASSY., USED IN PLACE OF 5196796 WITH 1 3/4"-2 1/4" SHAFT)	AR	AR					AR	AR		AR				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1430 - FLANGE, PROPELLER DRIVE (CONT'D)														
2D	5198125	FLANGE (4 1/4"B.C., 24 SPLINES)			1	1	1	1								
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
2B,C,D	5196805	NUT	1	1					1	1		1				
2D	5198128	NUT			1	1	1	1								
2B,C,D	5149767	NUT									1					
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
2A	5196214	PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN 9.1505)	1	1												
2A	5196889	# PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN 9.1505)			1	1	1	1	1	1	1					
2A	5198459	* PUMP ASSY. (INCLUDES SEAL IN 9.1505)			1	1	1	1				1				
2A	431787	# KEY, 3/16"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1								
	5198270	* KEY, 3/16" FLANGED			1	1	1	1	1	1	1	1				
2A	110533	# SCREW, #10-24X3/4" FL. HD. SL. (12.9030)	2	2	2	2	2	2								
2A	180083	* BOLT, 5/16"-18X1 1/2" (12.9001)			1	1	1	1								
2A	179822	# BOLT, 5/16"-18X1 7/8" (12.9001)	4	4	4	4	4	4								
2A	180082	BOLT, 5/16"-18X1 3/8" (12.9001)							4	4	4	4				
		# THRU GEAR SERIAL NO. 2407 (2.5:1), 101 (3:1).														
		* EFFECTIVE WITH GEAR SERIAL NO. 2408 (2.5:1), 102 (3:1).														
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
2A	5196216	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2A	5196215	SEAL, OIL	1	1												
2A	5199315	SEAL, OIL (DOUBLE LIP)			1	1	1	1	1	1	1	1				
2A	5149675	+ SEAL, OIL							1	1	1					
		+ OPTIONAL														
		9.1650 - STRAINER, MARINE GEAR OIL														
2A	5196895	STRAINER	1	1												
	5198456	STRAINER			1	1	1	1	1	1	1	1				
	120428	GASKET, 1" ANNULAR (12.9360)			1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

PART G	NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1650 - STRAINER, MARINE GEAR OIL (CONT'D)														
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	1	1												
	453006	PLUG, 1" PIPE (12.9550)			1	1	1	1								
	5198457	BUSHING, 3/4"X3/8" RED. PIPE	1	1					1	1	1	1				
	5198458	TUBE, TRANSMISSION OIL RETURN				1			1	1	1	1				
		9.1840 - BREATHER, MARINE GEAR														
2A	**5198454**	BREATHER (.338" DRIVE TYPE)	1	1	1	1	1	1	1	1	1	1				
2A	**5197510**	BREATHER (1/2" DRIVE TYPE)	1	1	1	1	1	1								
2A	**5196177**	BREATHER (3/8"-18 THREAD)	1	1	1	1	1	1								

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
1B	**5127847**	+ GEAR ASSY. (DIRECT DRIVE, L.H.)	1													
1B	**5127851**	+ GEAR ASSY. (DIRECT DRIVE, R.H.)		1												
1B	**5127848**	+ GEAR ASSY. (1.5:1 RED., L.H.)			1											
1B	**5127852**	+ GEAR ASSY. (1.5:1 RED., R.H.)				1										
1B	**5126825**	+ GEAR ASSY. (2:1 RED., L.H.)					1									
1B	**5126824**	+ GEAR ASSY. (2:1 RED., R.H.)						1								
1B	**5127853**	+ GEAR ASSY. (2.5:1 RED., R.H.)							1							
1B	**5127849**	+ GEAR ASSY. (2.5:1 RED., L.H.)								1						
1B	**5127854**	+ GEAR ASSY. (3:1 RED., R.H.)									1					
1B	**5127850**	+ GEAR ASSY. (3:1 RED., L.H.)										1				
		+ NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2A	**5196179**	ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1				
2A	**455724**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1	1	1				
2A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1				
2A	**5197537**	BOLT, 3/8"-16X1 1/4" 12 PT. HD.	4	4	4	4	4	4	4	4	4	4				
		9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR														
2A	**5196181**	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1010 - HOUSING, MARINE GEAR														
		A HOUSING ASSY. INCLUDES BUSHING IN 9.1010 & TUBE IN 9.1410.														
2A	**5196767**	* HOUSING ASSY. (DIRECT DRIVE)	1	1												
2A	**5196775**	@ HOUSING ASSY. (RED. DRIVE)			1	1	1	1	1	1	1	1				
2A	**5196511**	BUSHING (OUTPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
	9421745	PLUG (1/2" CUP) (12.9330)							1	1	1	1				
	5198461	PLUG (.338" DIA. CUP)							1	1	1	1				
		* OBSOLETE.														
		@ NOT SERVICED; REPLACE WITH 1-5198096 HOUSING, 3-5196730 PLATE, 1-5196303 PLATE, 3-5196733 DOWEL PINS, 1-5149100 DIPSTICK & 1-5149061 ADAPTOR.														
		9.1026 - SHAFT, MARINE GEAR INPUT														
2A	**5196542**	SHAFT	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
2A **9416195**	BEARING	1	1	1	1	1	1	1	1	1	1				
2A **5196543**	RING, SNAP (1 29/64"I.D.)	1	1	1	1	1	1	1	1	1	1				
2A **5196545**	RING, SNAP (2 29/64"I.D.)	1	1	1	1	1	1	1	1	1	1				
	9.1030 - PISTON, REVERSE CLUTCH														
2A **5196183**	PISTON	1	1	1	1	1	1	1	1	1	1				
	9.1035 - SEAL, REVERSE CLUTCH PISTON														
2A **5196188**	SEAL RING (3 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A **5196180**	SEAL RING (7 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
	9.1045 - PLATE, REVERSE CLUTCH														
2A **5196730**	*PLATE (SPLINED)*	2	2	2	2	2	2	2	2	2	2				
2A **5196303**	PLATE	1	1	1	1	1	1	1	1	1	1				
	9.1055 - SPRING, REVERSE CLUTCH RELEASE														
2A **5196186**	SPRING	12	12	12	12	12	12	12	12	12	12				
	9.1060 - PLATE, REVERSE CLUTCH REACTION														
5196184	PLATE	1	1	1	1	1	1	1	1	1	1				
5196187	PIN	3	3	3	3	3	3	3	3	3	3				
	9.1080 - GEAR ASSY., MARINE GEAR PLANETARY														
	INCLUDES BUSHINGS IN 9.1087.														
2A **5196550**	GEAR ASSY. (DIRECT DRIVE)	1	1												
2A **5196801**	* GEAR ASSY. (1.5:1 RED.)			1	1										
2A **5196544**	GEAR ASSY. (2:1 RED.)					1	1								
2A **5196804**	GEAR ASSY. (2.5:1 & 3:1 RED.)							1	1	1	1				
	* *CAN ONLY BE USED WHEN HOUSING INCLUDES BUSHINGS.*														
	9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST														
2A **5196211**	WASHER (1 3/4"O.D.)	1	1	1	1	1	1	1	1	1	1				
2A **5196213**	WASHER (2 5/8"O.D.) (1.5:1 & 2:1)			1	1	1	1								

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1087 - BEARING, MARINE GEAR PLANETARY GEAR														
2B	**5199063**	BEARING (1.5:1 RED.) (GROOVED)			1	1										
2D	**5197342**	BEARING (2.5:1 & 3:1 RED.) (9.1350)							1	1	1	1				
2B	**5196254**	RING, SNAP (2 1/16" DIA.)			1	1										
2D	**5196259**	RING, SNAP (1 27/64" DIA.)							1	1	1	1				
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2A	**5196549**	GEAR	1	1	1	1	1	1	1	1	1	1				
2A	**5196199**	RING, SNAP (5 7/8"O.D.)	1	1	1	1	1	1	1	1	1	1				
		9.1135 - VALVE ASSY., SELECTOR														
2A	**5196217**	VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160)	1	1	1	1	1	1	1	1	1	1				
		9.1137 - VALVE, SELECTOR														
2A	**5196218**	VALVE	1	1	1	1	1	1	1	1	1	1				
		9.1155 - SPRING, SELECTOR VALVE														
2A	**5196219**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196220**	RETAINER, SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196212**	RING, SNAP	1	1	1	1	1	1	1	1	1	1				
		9.1160 - SEAL, SELECTOR VALVE OIL														
2A	**5196222**	SEAL RING	1	1	1	1	1	1	1	1	1	1				
		9.1175 - LEVER, SELECTOR VALVE														
2A	**5197136**	LEVER	1	1	1	1	1	1	1	1	1	1				
2A	**5196221**	SPRING (DETENT)	1	1	1	1	1	1	1	1	1	1				
2A	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1				
2A	**103340**	WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1				
2A	**108579**	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1				
2A	**114493**	NUT, 5/16"-24 (12.9120)	1	1	1	1	1	1	1	1	1	1				
		9.1178 - COVER, SELECTOR VALVE														
2A	**5196224**	COVER	1	1	1	1	1	1	1	1	1	1				
2A	**186630**	BOLT, 1/4"-20X5/8" (12.9001)	3	3	3	3	3	3	3	3	3	3				
2A	**103319**	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3	3	3	3	3				

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1179 - GASKET, SELECTOR VALVE COVER														
2A	**5196225**	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2A	**5196546**	CYLINDER	1	1	1	1	1	1	1	1	1	1				
2A	**5196198**	SEAL RING (ON INPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
		9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST														
2A	**5196881**	WASHER (.063" THICK)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
2A	**5196882**	WASHER (.087" THICK)			AR	AR	AR	AR								
		9.1225 - PISTON, FORWARD CLUTCH														
2A	**5196196**	PISTON	1	1	1	1	1	1	1	1	1	1				
		9.1230 - SEAL, FORWARD CLUTCH PISTON														
2A	**5196195**	SEAL RING (2.016"I.D.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196197**	SEAL RING (4.120"I.D.)	1	1	1	1	1	1	1	1	1	1				
		9.1235 - PLATE, FORWARD CLUTCH														
	5196202	PLATE (INNER)	1	1	1	1	1	1	1	1	1	1				
	5196205	PLATE (OUTER)	1	1	1	1	1	1	1	1	1	1				
2A	**5197160**	PLATE	7	7	7	7	7	7	7	7	7	7				
2A	**5196203**	PLATE (STEEL)	6	6	6	6	6	6	6	6	6	6				
	5196770	SHIM (SNAP RING) (.050")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
	5196771	SHIM (SNAP RING) (.075")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
	5196772	SHIM (SNAP RING) (.100")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2A	**5196201**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196200**	RING, SNAP (3" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196209**	RING, SNAP (5 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
		9.1242 - HUB, FORWARD CLUTCH														
2A	**5196547**	HUB	1	1	1	1	1	1	1	1	1	1				
2A	**5196207**	RING, SNAP (1 21/32" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**124553**	KEY, 1/4"X1" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1282 - PLATE, REDUCTION GEAR ADAPTOR														
2B	**5199039**	* PLATE (1.5:1 RED.)			1	1										
2C	**5196247**	PLATE (2:1 RED.)					1	1								
2D	**5196248**	PLATE (2.5:1 & 3:1 RED.)							1	1	1	1				
2B,D	**5199060**	BOLT, 7/16"-14X1" (NYLON INSERT)			6	6	6	6								
2D	**5199061**	BOLT, 7/16"-14X1 1/4" (NYLON INSERT)							6	6	6	6				
2B,C,D	**114607**	LOCKWASHER, 7/16" EXT. TOOTH (12.9210)			6	6	6	6	6	6	6	6				
		* REQUIRES 5199063 BEARING IN 9.1087.														
		9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE														
2B,C,D	**5196260**	GASKET			1	1	1	1	1	1	1	1				
		9.1285 - HOUSING, REDUCTION GEAR														
2B	**5197333**	HOUSING (1.5:1 RED.)			1	1										
2C	**5196283**	# HOUSING (2:1 RED.)					1	1								
	5197334	# HOUSING (2:1 RED.)					1	1								
2D	**5196284**	HOUSING (2.5:1 & 3:1 RED.)							1	1	1	1				
2B	**103891**	PLUG, 5/8" EXPANSION (12.9330)			1	1										
2B,C,D	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			6	6	6	6	6	6	6	6				
2B,C,D	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)			2	2	2	2	2	2	2	2				
2B,C,D	**103321**	LOCKWASHER, 3/8" (12.9200)			6	6	6	6	6	6	6	6				
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)			2	2	2	2	2	2	2	2				
		# NOT SERVICED, FOR REPLACEMENT THRU GEAR SERIAL NO. 6443 USE 5199427 HOUSING CONVERSION KIT. USE 5199398 HOUSING FOR REPLACEMENT EFFECTIVE WITH GEAR SERIAL NO. 6444.														
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2B,C,D	**5196285**	GASKET			1	1	1	1	1	1	1	1				
		9.1287 - GEAR, REDUCTION GEAR INPUT														
2B	**5196251**	GEAR (1.5:1 RED.)			1	1										
		9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR														
2D	**5196256**	PLATE (2.5:1 RED.)							1	1						
2D	**5196255**	PLATE (3:1 RED.)									1	1				

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1290 - GEAR, REDUCTION GEAR SUN														
2B	**5196263**	GEAR (1.5:1 RED.)			1	1										
2C	**5196264**	GEAR (2:1 RED.)					1	1								
2D	**5196265**	GEAR (2.5:1 RED.)							1	1						
2D	**5196266**	GEAR (3:1 RED.)									1	1				
2C	**5196267**	RING, SNAP (1 27/32"I.D.)					1	1								
2D	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)							1	1	1	1				
2B	**5196277**	PIN (GEAR DRIVE)			1	1										
2B	**5196278**	PIN, ROLL			1	1										
		9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY														
2B	**5196268**	GEAR ASSY. (1.5:1 RED.)			1	1										
2C	**5196269**	GEAR ASSY. (2:1 RED., L.H.) (2 DRILL SPOTS ON REAR FACE)					1									
2C	**5196288**	GEAR ASSY. (2:1 RED., R.H.)						1								
2D	**5196270**	* GEAR ASSY. (2.5:1 RED.) (10 SPLINES)							1	1						
2D	**5198141**	% GEAR ASSY. (2.5:1 RED.) (24 SPLINES)							AR	AR						
2D	**5196271**	* GEAR ASSY. (3:1 RED.) (10 SPLINES)									1	1				
2D	**5197780**	GEAR ASSY. (3:1 RED.) (24 SPLINES)									AR	AR				
2B	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)			1	1										
		* NOT SERVICED; FOR REPLACEMENT USE 5198141 (2.5:1) OR 5197880 (3:1) GEAR ASSY. AND INCLUDE 1-9422151 BEARING IN 9.1350, 1-5198125 FLANGE IN 9.1430 AND 1-5198128 NUT IN 9.1435.														
		% NOT SERVICED, FOR SERVICE USE 5196544.														
		9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST														
2C	**5196279**	WASHER (2:1 RED.)					2	2								
		9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
2B,C,D	**5196252**	GEAR (1.5:1, 2:1, 3:1 RED.)			1	1	1	1			1	1				
2D	**5196257**	GEAR (2.5:1 RED.)							1	1						
2B,C,D	**5196253**	RING, SNAP (6 1/4"O.D.)			1	1	1	1			1	1				
2D	**5196258**	RING, SNAP (6 17/32"O.D.)							1	1						
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
2B	**5196276**	SHAFT (1.5:1 RED.)			1	1										
2C	**5196273**	SHAFT ASSY. (INCLUDES BUSHING) (2:1 RED.)					1	1								
	5199829	BUSHING (2:1 RED.) (9.1087)			1	1	1	1								

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT														
	9414818	BEARING	1	1												
2B,C,D	**9413343**	@ BEARING			1	1	1	1	1	1	1	1				
2D	**9422151**	# BEARING							AR	AR	AR	AR				
		@ WITH 10 SPLINE GEAR IN 9.1292.														
		# WITH 24 SPLINE GEAR IN 9.1292.														
		9.1365 - COVER, REDUCTION GEAR BEARING														
	5196765	COVER	1	1												
2B,C,D	**5196286**	COVER			1	1	1	1	1	1	1	1				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	6	6												
2B,C,D	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)			6	6	6	6	6	6	6	6				
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6				
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
	5196766	GASKET	1	1												
2B,C,D	**5196287**	GASKET			1	1	1	1	1	1	1	1				
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
2B,C,D	**5199391**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1	1	1				
		9.1380 - BAFFLE, MARINE GEAR OIL														
2A	**5196175**	BAFFLE	1	1	1	1	1	1	1	1	1	1				
		9.1395 - DIPSTICK, REDUCTION GEAR														
2A	**5196176**	% DIPSTICK (FILLER CAP) (WITH HOUSING 5196767 OR 5196775)	1	1	1	1	1	1	1	1	1	1				
	5133364	* DIPSTICK (FILLER PLUG) (WITH HOUSING 5198095 OR 5198096)	1	1	1	1	1	1	1	1	1	1				
		* NOT SERVICED USE 5149100 PLUS 1-5149061 ADAPTOR WITH 5198095 OR 5198096 HOUSING ONLY.														
		% OBSOLETE.														
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER														
	5196174	TUBE (WITH FILLER CAP TYPE DIPSTICK)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1430 - FLANGE, PROPELLER DRIVE														
2B,C,D	**5196796**	# FLANGE (3 1/4"B.C.) (1"-1 1/2" SHAFT)	1	1	1	1	1	1	1	1	1	1				
2B,C,D	**5196745**	FLANGE (4 1/4"B.C.) (NOT PART OF GEAR ASSY., USED IN PLACE OF5196796 WITH 1 3/4"-2 1/4" SHAFT)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
2D	**5198125**	* FLANGE (4 1/4"B.C., 24 SPLINES)							AR	AR	AR	AR				
		# WITH 10 SPLINE GEAR ASSY. IN 9.1292.														
		* WITH 24 SPLINE GEAR ASSY. IN 9.1292.														
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
2B,C,D	**5196805**	# NUT	1	1	1	1	1	1	1	1	1	1				
1D	**5198128**	NUT							AR	AR	AR	AR				
		# WITH 10 SPLINE GEAR ASSY. IN 9.1292.														
		* WITH 24 SPLINE GEAR ASSY. IN 9.1292.														
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
2A	**5196214**	PUMP ASSY. (INCLUDES SCREW IN 9.1475 AND SEAL IN 9.1505)	1	1	1	1	1	1	1	1	1	1				
2A	**431787**	KEY, 3/16"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1				
2A	**110533**	SCREW, #10-24X3/4" FL. HD. SL. (12.9030)	2	2	2	2	2	2	2	2	2	2				
	186648	BOLT, 5/16"-18X1 7/8" (12.9001)	4	4	4	4	4	4	4	4	4	4				
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5196216**	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5196215**	SEAL, OIL	1	1	1	1	1	1	1	1	1	1				
		9.1650 - STRAINER, MARINE GEAR OIL														
2A	**5196178**	@ STRAINER	1	1	1	1	1	1	1	1	1	1				
2A	**5196883**	& STRAINER	1	1												
2A	**120428**	GASKET, 1" ANNULAR (12.9360)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1650 - STRAINER, MARINE GEAR OIL (CONT'D)														
	5196890	& BUSHING, REDUCING	1	1												
2A	**453006**	@ PLUG, 1" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
		@ PRIOR TO GEAR SERIAL NO. 106 ON 1:1 RATIO.														
		& EFFECTIVE WITH GEAR SERIAL NO. 106 ON 1:1 RATIO.														
		9.1840 - BREATHER, MARINE GEAR														
2A	**5198454**	BREATHER (.338" DRIVE TYPE)	1	1	1	1	1	1								
2A	**5197510**	BREATHER (1/2" DRIVE TYPE)	1	1	1	1	1	1	1	1	1	1				
2A	**5196177**	BREATHER (3/8"-18 THREAD)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
1B	**5108250**	+ GEAR ASSY. (DIRECT DRIVE, L.H.)	1													
1B	**5108255**	+ GEAR ASSY. (DIRECT DRIVE, R.H.)		1												
1A,B	**5108251**	+ GEAR ASSY. (1.5:1 RED., L.H.)			1											
1B	**5108256**	+ GEAR ASSY. (1.5:1 RED., R.H.)				1										
1B	**5108252**	+ GEAR ASSY. (2:1 RED., L.H.)					1									
1A,B	**5108257**	+ GEAR ASSY. (2:1 RED., R.H.)						1								
1A	**5108253**	+ GEAR ASSY. (2.5:1 RED., L.H.)							1							
1A,B	**5108258**	+ GEAR ASSY. (2.5:1 RED., R.H.)								1						
1A,B	**5108254**	+ GEAR ASSY. (3:1 RED., L.H.)									1					
1A,B	**5108259**	+ GEAR ASSY. (3:1 RED., R.H.)										1				
		+ NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2A	**5196179**	ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1				
2A	**455724**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1	1	1				
2A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1				
2A	**5197537**	BOLT, 3/8"-16X1 1/4" 12 PT. HD.	4	4	4	4	4	4	4	4	4	4				
		9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR														
2A	**5196181**	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1010 - HOUSING, MARINE GEAR														
		A HOUSING ASSY. INCLUDES BUSHING IN 9.1010 AND TUBE IN 9.1410.														
2A	**5196731**	* HOUSING ASSY. (DIRECT DRIVE)	1	1												
2A	**5196966**	@ HOUSING ASSY. (RED. DRIVE)			1	1	1	1	1	1	1	1				
2A	**5196511**	BUSHING (OUTPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2				
	9421745	PLUG, 1/2" DIA. CUP							1	1	1	1				
	5198461	PLUG, .338" DIA. CUP							1	1	1	1				
		* OBSOLETE.														
		@ NOT SERVICED; REPLACE WITH 5198096 HOUSING, 5149100 DIPSTICK & 1-5149061 ADAPTOR.														
		9.1026 - SHAFT, MARINE GEAR INPUT														
2A	**5196542**	SHAFT	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
2A	**9416195**	BEARING	1	1	1	1	1	1	1	1	1	1				
2A	**5196543**	RING, SNAP (1 29/64"I.D.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196545**	RING, SNAP (2 29/64"I.D.)	1	1	1	1	1	1	1	1	1	1				
		9.1030 - PISTON, REVERSE CLUTCH														
2A	**5196183**	PISTON	1	1	1	1	1	1	1	1	1	1				
		9.1035 - SEAL, REVERSE CLUTCH PISTON														
2A	**5196188**	SEAL RING (3 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196180**	SEAL RING (7 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
		9.1045 - PLATE, REVERSE CLUTCH														
2A	**5196730**	PLATE (SPLINED)	2	2	3	3	3	3	3	3	3	3				
2A	**5196303**	PLATE	1	1	2	2	2	2	2	2	2	2				
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
2A	**5196186**	SPRING	12	12	12	12	12	12	12	12	12	12				
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
2A	**5196184**	PLATE	1	1	1	1	1	1	1	1	1	1				
	3712718	PIN (5/8"L.)	3	3												
2A	**5196733**	PIN (27/32"L.)			3	3	3	3	3	3	3	3				
		9.1080 - GEAR ASSY., MARINE GEAR PLANETARY														
		ASSY. INCLUDES BUSHINGS IN 9.1087.														
2A	**5196550**	GEAR ASSY. (DIRECT DRIVE)	1	1												
2A	**5196801**	GEAR ASSY. (1.5:1 RED.)			1	1										
2A	**5196544**	GEAR ASSY. (2:1 RED.)					1	1								
2A	**5196804**	GEAR ASSY. (2.5:1 & 3:1 RED.)							1	1	1	1				
		9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST														
2A	**5196211**	WASHER (1 3/4"O.D.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196213**	WASHER (2 5/8"O.D.)			1	1	1	1								

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1087 - BEARING, MARINE GEAR PLANETARY GEAR														
2B	**5199063**	BEARING (1.5:1 RED.)			1	1										
2D	**5197342**	BEARING (2.5:1 & 3:1 RED.)							1	1	1	1				
2B	**5196254**	RING, SNAP (2 1/16" DIA.)			1	1										
2D	**5196259**	RING, SNAP (1 27/64" DIA.)							1	1	1	1				
	5199829	BUSHING	2	2	3	3	2	2	2	2	2	2				
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2A	**5196549**	GEAR	1	1	1	1	1	1	1	1	1	1				
2A	**5196199**	RING, SNAP (5 7/8"O.D.)	1	1	1	1	1	1	1	1	1	1				
		9.1135 - VALVE ASSY., SELECTOR														
2A	**5196217**	VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160)	1	1	1	1	1	1	1	1	1	1				
		9.1137 - VALVE, SELECTOR														
2A	**5196218**	VALVE	1	1	1	1	1	1	1	1	1	1				
		9.1155 - SPRING, SELECTOR VALVE														
2A	**5196219**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196220**	RETAINER, SPRING	1	1	1	1	1	1	1	1	1	1				
	5196212	RING, SNAP	1	1	1	1	1	1	1	1	1	1				
		9.1160 - SEAL, SELECTOR VALVE OIL														
2A	**5196222**	SEAL RING	1	1	1	1	1	1	1	1		1				
		9.1175 - LEVER, SELECTOR VALVE														
2A	**5197136**	LEVER	1	1	1	1	1	1	1	1	1	1				
2A	**5196221**	SPRING (DETENT)	1	1	1	1	1	1	1	1	1	1				
2A	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1				
2A	**103340**	WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1	1	1				
2A	**108579**	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1				
2A	**114493**	NUT, 5/16"-24 (12.9120)	1	1	1	1	1	1	1	1	1	1				
		9.1178 - COVER, SELECTOR VALVE														
2A	**5196224**	COVER	1	1	1	1	1	1	1	1	1	1				
2A	**186630**	BOLT, 1/4"-20X5/8" (12.9001)	3	3	3	3	3	3	3	3	3	3				
2A	**103319**	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3	3	3	3	3				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1179 - GASKET, SELECTOR VALVE COVER														
2A	**5196225**	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2A	**5196546**	CYLINDER	1	1	1	1	1	1	1	1	1	1				
2A	**5196198**	SEAL RING (ON INPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
		9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST														
2A	**5196881**	WASHER, .063" THICK	1	1	AR	AR	AR	AR	1	1	1	1				
2A	**5196882**	WASHER, .087" THICK			AR	AR	AR	AR								
		9.1225 - PISTON, FORWARD CLUTCH														
2A	**5196196**	PISTON	1	1	1	1	1	1	1	1	1	1				
		9.1230 - SEAL, FORWARD CLUTCH PISTON														
2A	**5196195**	SEAL RING, 2.016" I.D.	1	1	1	1	1	1	1	1	1	1				
2A	**5196197**	SEAL RING, 4.120" I.D.	1	1	1	1	1	1	1	1	1	1				
		9.1235 - PLATE, FORWARD														
2A	**5196202**	PLATE (INNER)	1	1	1	1	1	1	1	1	1	1				
2A	**5196205**	PLATE (OUTER)	1	1	1	1	1	1	1	1	1	1				
2A	**5197160**	PLATE	7	7	7	7	7	7	7	7	7	7				
2A	**5196203**	PLATE (STEEL)	6	6	6	6	6	6	6	6	6	6				
	5196770	SHIM (SNAP RING) (.050")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
	5196771	SHIM (SNAP RING) (.075")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
	5196772	SHIM (SNAP RING) (.100)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2A	**5196201**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196200**	RING, SNAP (3" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196209**	RING, SNAP (5 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
		9.1242 - HUB, FORWARD CLUTCH														
2A	**5196547**	HUB	1	1	1	1	1	1	1	1	1	1				
2A	**5196207**	RING, SNAP (1 21/32" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**124553**	KEY, 1/4"X1" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1282 - PLATE, REDUCTION GEAR ADAPTOR														
2B	**5199039**	* PLATE (1.5:1 RED.)			1	1										
2C	**5196247**	PLATE (2:1 RED.)					1	1								
2D	**5196248**	PLATE (2.5:1 & 3:1 RED.)							1	1	1	1				
2B,C	**5199060**	BOLT, 7/16"-14X1" (NYLON INSERT)			6	6	6	6								
2D	**5199061**	BOLT, 7/16"-14X1 1/4" (NYLON INSERT)							6	6	6	6				
2B,C,D	**114607**	LOCKWASHER, 7/16" EXT. TOOTH (12.9210)			6	6	6	6	6	6	6	6				
		* REQUIRES 5199063 BEARING IN 9.1080.														
		9.1283 - GASKET, REDUCTION GEAR ADAPTER														
2B,C,D	**5196260**	GASKET			1	1	1	1	1	1	1	1				
		9.1285 - HOUSING, REDUCTION GEAR														
2B	**5197333**	HOUSING (1.5:1 RED.)			1	1										
2C	**5196283**	# HOUSING (2:1 RED.)					1	1								
	5197334	# HOUSING (2:1 RED.)					1	1								
2D	**5196284**	HOUSING (2.5:1 & 3:1 RED.)							1	1	1	1				
2B	**103891**	PLUG, 5/8" EXPANSION (12.9330)			1	1										
2B,C,D	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			6	6	6	6	6	6	6	6				
2B,C,D	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)			2	2	2	2	2	2	2	2				
2B,C,D	**103321**	LOCKWASHER, 3/8" (12.9200)			6	6	6	6	6	6	6	6				
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)			2	2	2	2	2	2	2	2				
		# NOT SERVICED, FOR REPLACEMENT THRU GEAR SERIAL NO. 6443 USE 5199427 HOUSING CONVERSION KIT. USE 5199398 HOUSING FOR REPLACEMENT EFFECTIVE WITH GEAR SERIAL NO. 6444.														
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2B,C,D	**5196285**	GASKET			1	1	1	1	1	1	1	1				
		9.1287 - GEAR, REDUCTION GEAR INPUT														
2B	**5196251**	GEAR (1.5:1 RED.)			1	1										
		9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR														
2D	**5196256**	PLATE (2.5:1 RED.)							1	1						
2D	**5196255**	PLATE (3:1 RED.)									1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1290 - GEAR, REDUCTION GEAR SUN														
2B	**5196263**	GEAR (1.5:1 RED.)			1	1										
2C	**5196264**	GEAR (2:1 RED.)					1	1								
2D	**5196265**	GEAR (2.5:1 RED.)							1	1						
2D	**5196266**	GEAR (3:1 RED.)									1	1				
2C	**5196267**	RING, SNAP (1 27/32"I.D.)					1	1								
2D	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)							1	1	1	1				
2B	**5196277**	PIN (GEAR DRIVE)			1	1										
2B	**5196278**	PIN, ROLL			1	1										
		9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY														
2B	**5196268**	GEAR ASSY. (1.5:1 RED.)			1	1										
2C	**5196269**	GEAR ASSY. (2:1 RED., L.H.) (2 DRILL SPOTS ON REAR FACE)					1									
2C	**5196288**	GEAR ASSY. (2:1 RED., R.H.)						1								
2D	**5196270**	* GEAR ASSY. (2.5:1 RED.) (10 SPLINES)							1	1						
2D	**5198141**	% GEAR ASSY. (2.5:1 RED.) (24 SPLINES)							AR	AR						
2D	**5196271**	* GEAR ASSY. (3:1 RED.) (10 SPLINES)									1	1				
	5197880	GEAR ASSY. (3:1 RED.) (24 SPLINES)									AR	AR				
2B	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)			1	1										
		* NOT SERVICED; FOR REPLACEMENT USE 5198141 (2.5:1) OR 5197880 (3:1) GEAR ASSY. AND INCLUDE 1-9422151 BEARING IN 9.1350, 1-5198125 FLANGE IN 9.1430 AND 1-5198128 NUT IN 9.1435.														
		% NOT SERVICED, FOR SERVICE USE 5196544.														
		9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST														
2C	**5196279**	WASHER (2:1 RED.)					2	2								
		9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
2B,C,D	**5196252**	GEAR (1.5:1, 2:1, 3:1 RED.)			1	1	1	1			1	1				
2D	**5196257**	GEAR (2.5:1 RED.)							1	1						
2B,C,D	**5196253**	RING, SNAP (6 1/4"O.D.)			1	1	1	1			1	1				
2D	**5196258**	RING, SNAP (6 17/32"O.D.)							1	1						
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
2B	**5196276**	SHAFT (1.5:1 RED.)			1	1										
2C	**5196273**	SHAFT ASSY. (INCLUDES BUSHING) (2:1 RED.)					1	1								
	5199829	BUSHING (2:1 RED.) (9.1087)					1	1								

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT														
	9414818	BEARING	1	1												
2B,C,D	**9413343**	@ BEARING			1	1	1	1	1	1	1	1				
2D	**9422151**	BEARING							AR	AR	AR	AR				
		@ WITH 10 SPLINE GEAR IN 9.1292. # WITH 24 SPLINE GEAR IN 9.1292.														
		9.1365 - COVER, REDUCTION GEAR BEARING														
	5196765	COVER	1	1												
2B,C,D	**5196286**	COVER			1	1	1	1	1	1	1	1				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	6	6												
2B,C,D	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)			6	6	6	6	6	6	6	6				
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6				
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
	5196766	GASKET	1	1												
2B,C,D	**5196287**	GASKET			1	1	1	1	1	1	1	1				
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
2B,C,D	**5199391**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1	1	1				
		9.1380 - BAFFLE, MARINE GEAR OIL														
2A	**5196175**	BAFFLE	1	1	1	1	1	1	1	1	1	1				
		9.1395 - DIPSTICK, REDUCTION GEAR														
2A	**5196176**	% DIPSTICK (FILLER CAP) (WITH HOUSING 5196966 OR 5196731)	1	1	1	1	1	1	1	1	1	1				
	5133364	* DIPSTICK (FILLER PLUG) (WITH HOUSING 5198095 OR 5198096)	1	1	1	1	1	1	1	1	1	1				
		* NOT SERVICED, USE 5149100 PLUS 1-5149061 ADAPTOR. % OBSOLETE.														
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER														
	5196174	TUBE (WITH FILLER CAP TYPE DIPSTICK)	1	1	1	1	1	1	1	1	1	1				
		9.1430 - FLANGE, PROPELLER DRIVE														
2B,C,D	**5196745**	* FLANGE (4 1/4"B.C.)	1	1	1	1	1	1	1	1	1	1				
2D	**5198125**	@ FLANGE (4 1/4"B.C., 24 SPLINES)							AR	AR	AR	AR				
		* WITH 10 SPLINE GEAR ASSY. IN 9.1292.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1430 - FLANGE, PROPELLER DRIVE (CONT'D)														
		@ WITH 24 SPLINE GEAR ASSY. IN 9.1292.														
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
2B,C,D	5196805	* NUT	1	1	1	1	1	1	1	1	1	1				
2D	5198128	@ NUT							AR	AR	AR	AR				
		* WITH 10 SPLINE GEAR ASSY. IN 9.1292.														
		@ WITH 24 SPLINE GEAR ASSY. IN 9.1292.														
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
2A	5196214	PUMP ASSY. (INCLUDES SCREW IN 9.1475 & SEAL IN 9.1505)	1	1	1	1	1	1	1	1	1	1				
2A	431787	KEY, 3/16"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1				
2A	110533	SCREW, #10-24X3/4" FL. HD. SL. (12.9030)	2	2	2	2	2	2	2	2	2	2				
2A	186648	BOLT, 5/16"-18X1 7/8" (12.9001)	4	4	4	4	4	4	4	4	4	4				
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
2A	5196216	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2A	5196215	SEAL, OIL	1	1	1	1	1	1	1	1	1	1				
		9.1650 - STRAINER, MARINE GEAR OIL														
2A	5196883	STRAINER	1	1	1	1	1	1	1	1	1	1				
2A	120428	GASKET, 1" ANNULAR (12.9360)	1	1	1	1	1	1	1	1	1	1				
2A	5145014	PLUG, 3/8" PIPE (12.9550)	1	1												
2A	453006	PLUG, 1" PIPE (12.9550)			1	1	1	1	1	1	1	1				
	5196890	BUSHING, REDUCING	1	1												
		9.1840 - BREATHER, MARINE GEAR														
2A	5198454	BREATHER (.338" DRIVE TYPE)	1	1	1	1	1	1								
2A	5196177	BREATHER (3/8"-18 THREAD)	1	1	1	1	1	1	1	1	1	1				
2A	5197510	BREATHER (1/2" DRIVE TYPE)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
	5129545	# GEAR ASSY. (DIRECT DRIVE, L.H.)	1													
	5129550	# GEAR ASSY. (DIRECT DRIVE, R.H.)		1												
1A,B	**5129546**	# GEAR ASSY. (1.5:1 RED., L.H.)			1											
1A,B	**5129551**	# GEAR ASSY. (1.5:1 RED., R.H.)				1										
1A,B	**5129547**	# GEAR ASSY. (2:1 RED., L.H.)					1									
1A,B	**5129552**	# GEAR ASSY. (2:1 RED., R.H.)						1								
1A,B	**5129548**	# GEAR ASSY. (2.5:1 RED., L.H.)							1							
1A,B	**5129553**	# GEAR ASSY. (2.5:1 RED., R.H.)								1						
1A,B	**5129549**	# GEAR ASSY. (3:1 RED., L.H.)									1					
1A,B	**5129554**	# GEAR ASSY. (3:1 RED., R.H.)										1				
		# NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2A	**5198322**	@ ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1						
2A	**5196179**	* ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1	1	1				
2A	**455724**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1	1	1				
2A	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1	1	1				
2A	**5197537**	BOLT, 3/8"-16X1 1/4" 12 PT. HD.	4	4	4	4	4	4	4	4	4	4				
		@ EFF. WITH GEAR SERIAL NO. 4351 (D.D.); 1850 (1.5:1), 2261 (2:1).														
		* THRU GEAR SERIAL NO. 4350 (D.D.); 1894 (1.5:1), 2620 (2:1).														
		9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR														
	5196181	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1010 - HOUSING, MARINE GEAR														
		A HOUSING ASSY. INCLUDES BUSHING IN 9.1010 & TUBE IN 9.1410.														
2A	**5196731**	& HOUSING ASSY. (DIRECT DRIVE)	1	1												
2A	**5198095**	% & HOUSING ASSY. (DIRECT DRIVE)	1	1												
2A	**5196966**	= HOUSING ASSY. (REDUCTION DRIVE)			1	1	1	1	1	1	1	1				
2A	**5198096**	% *HOUSING ASSY. (REDUCTION DRIVE)*			1	1	1	1	1	1	1	1				
2A	**5196511**	BUSHING (OUTPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2				
	9421745	PLUG (1/2" CUP) (12.9330) & OBSOLETE.							1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1010 - HOUSING, MARINE GEAR (CONT'D)														
		% EFF. WITH GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5 1), 672 (2 1), 1614 (2.5 1) & 367 (3 1).														
		= NOT SERVICED REPLACE WITH 5198096 HOUSING, 5149100 DIPSTICK & 5149061 ADAPTOR.														
		9.1026 - SHAFT, MARINE GEAR INPUT														
2A	**5198371**	SHAFT	1	1	1	1	1	1	1	1	1	1				
		9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
2A	**9416195**	BEARING	1	1	1	1	1	1	1	1	1	1				
2A	**5196543**	RING, SNAP (1 29/64"I.D.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196545**	RING, SNAP (2 29/64"I.D.)	1	1	1	1	1	1	1	1	1	1				
		9.1030 - PISTON, REVERSE CLUTCH														
2A	**5196183**	PISTON	1	1	1	1	1	1	1	1	1	1				
		9.1035 - SEAL, REVERSE CLUTCH PISTON														
2A	**5196188**	SEAL RING (3 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196180**	SEAL RING (7 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
		9.1045 - PLATE, REVERSE CLUTCH														
2A	**5196730**	PLATE (SPLINED)	2	2	3	3	3	3	3	3	3	3				
2A	**5196303**	PLATE	1	1	2	2	2	2	2	2	2	2				
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
2A	**5196186**	SPRING	12	12	12	12	12	12	12	12	12	12				
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
2A	**5196184**	PLATE	1	1	1	1	1	1	1	1	1	1				
	3712718	PIN (6.23"L.)	3	3												
2A	**5196733**	PIN (27/32"L.)			3	3	3	3	3	3	3	3				

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1080 - GEAR ASSY., MARINE GEAR PLANETARY														
		INCLUDES BUSHINGS IN 9.1087.														
2A	**5196550**	GEAR ASSY. (DIRECT DRIVE)	1	1												
2A	**5196801**	GEAR ASSY. (1.5:1 RED.)			1	1										
2A	**5196544**	GEAR ASSY. (2:1 RED.)					1	1								
2A	**5196804**	GEAR ASSY. (2.5:1 & 3:1 RED.)							1	1	1	1				
		9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST														
2A	**5196211**	WASHER (1 3/4"O.D.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196213**	WASHER (2 5/8"O.D.)			1	1	1	1								
		9.1087 - BEARING, MARINE GEAR PLANETARY GEAR														
2B	**5199063**	BEARING (1.5:1 RED.)			1	1										
2D	**5197342**	BEARING (2.5:1 & 3:1 RED.) (9.1350)							1	1	1	1				
2D	**5196259**	RING, SNAP (1 27/64" DIA.)							1	1	1	1				
2B	**5196254**	RING, SNAP (2 1/16" DIA.)			1	1										
	5199829	BUSHING	2	2	3	3	2	2	2	2	2	2				
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2A	**5196549**	GEAR	1	1	1	1	1	1	1	1	1	1				
2A	**5196199**	RING, SNAP (5 7/8"O.D.)	1	1	1	1	1	1	1	1	1	1				
		9.1135 - VALVE ASSY., SELECTOR														
2A	**5196217**	VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160)	1	1	1	1	1	1	1	1	1	1				
		9.1137 - VALVE, SELECTOR														
2A	**5196218**	VALVE	1	1	1	1	1	1	1	1	1	1				
		9.1155 - SPRING, SELECTOR VALVE														
2A	**5196219**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196220**	RETAINER, SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196212**	RING, SNAP	1	1	1	1	1	1	1	1	1	1				
		9.1160 - SEAL, SELECTOR VALVE OIL														
2A	**5196222**	SEAL RING	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1175 - LEVER, SELECTOR VALVE														
2A	**5197136**	LEVER	1	1	1	1	1	1	1	1	1	1				
2A	**5196221**	SPRING (DETENT)	1	1	1	1	1	1	1	1	1	1				
2A	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1	1	1				
2A	**103340**	WASHER, 5/16" FLAT (12.9190)	1	1	1	1	1	1	1	1	1	1				
2A	**108579**	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1	1	1				
2A	**114493**	NUT, 5/16"-24 (12.9120)	1	1	1	1	1	1	1	1	1	1				
		9.1178 - COVER, SELECTOR VALVE														
2A	**5196224**	COVER	1	1	1	1	1	1	1	1	1	1				
2A	**186630**	BOLT, 1/4"-20X5/8" (12.9001)	3	3	3	3	3	3	3	3	3	3				
2A	**103319**	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3	3	3	3	3				
		9.1179 - GASKET, SELECTOR VALVE COVER														
2A	**5196225**	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2A	**5196546**	CYLINDER	1	1	1	1	1	1	1	1	1	1				
2A	**5196198**	SEAL RING (ON INPUT SHAFT)	2	2	2	2	2	2	2	2	2	2				
		9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST														
2A	**5196881**	WASHER, .063" THICK	1	1	AR	AR	AR	AR	1	1	1	1				
2A	**5196882**	WASHER, .087" THICK			AR	AR	AR	AR								
		9.1225 - PISTON, FORWARD CLUTCH														
2A	**5196196**	PISTON	1	1	1	1	1	1	1	1	1	1				
		9.1230 - SEAL, FORWARD CLUTCH PISTON														
2A	**5196195**	SEAL RING, 2.016" I.D.	1	1	1	1	1	1	1	1	1	1				
2A	**5196197**	SEAL RING, 4.120" I.D.	1	1	1	1	1	1	1	1	1	1				
		9.1235 - PLATE, FORWARD CLUTCH														
2A	**5196202**	PLATE (INNER)	1	1	1	1	1	1	1	1	1	1				
2A	**5196205**	PLATE (OUTER)	1	1	1	1	1	1	1	1	1	1				
2A	**5197160**	PLATE	7	7	7	7	7	7	7	7	7	7				

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1235 - PLATE, FORWARD CLUTCH (CONT'D)														
2A	**5196203**	PLATE (STEEL)	6	6	6	6	6	6	6	6	6	6				
	5196770	SHIM (SNAP RING) (.050")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
	5196771	SHIM (SNAP RING) (.075")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
	5196772	SHIM (SNAP RING) (.100")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2A	**5196201**	SPRING	1	1	1	1	1	1	1	1	1	1				
2A	**5196200**	RING, SNAP (3" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**5196209**	RING, SNAP (5 1/2" DIA.)	1	1	1	1	1	1	1	1	1	1				
		9.1242 - HUB, FORWARD CLUTCH														
2A	**5196547**	HUB	1	1	1	1	1	1	1	1	1	1				
2A	**5196207**	RING, SNAP (1 21/32" DIA.)	1	1	1	1	1	1	1	1	1	1				
2A	**124553**	KEY, 1/4"X1" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1				
		9.1282 - PLATE, REDUCTION GEAR ADAPTOR														
2B	**5199039**	* PLATE (1.5:1 RED.)			1	1										
2C	**5197335**	PLATE (2:1 RED.)					1	1								
2C	**5196247**	@ PLATE (2:1 RED.)					1	1								
2D	**5196248**	@ PLATE (2.5:1 & 3:1 RED.)							1	1	1	1				
2D	**5197338**	PLATE (2.5:1 & 3:1 RED.)							1	1	1	1				
2B	**5199060**	BOLT, SPECIAL 7/16"-14X1" (NYLON INSERT)			6	6	6	6								
	5199061	BOLT, 7/16"-14X1 1/4" (NYLON INSERT)							6	6	6	6				
2B	**114607**	LOCKWASHER, 7/16" EXT. TOOTH (12.9210)			6	6	6	6	6	6	6	6				
		* REQUIRES 5199063 BEARING IN 9.1087.														
		@ THRU GEAR SERIAL NO. 3529 (2:1 RED.), 3995 (2.5:1 RED.). USE SECOND PLATE SHOWN IN SAME COLUMN AFTER THESE SERIAL NUMBERS.														
		9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE														
2B,C,D	**5196260**	GASKET			1	1	1	1	1	1	1	1				
		9.1285 - HOUSING, REDUCTION GEAR														
2B	**5197333**	HOUSING (1.5:1 RED.)			1	1										
2B	**5196282**	& HOUSING (1.5:1 RED.)			1	1										
2C	**5196283**	# HOUSING (2:1 RED.)					1	1								

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1285 - HOUSING, REDUCTION GEAR (CONT'D)														
	5197334	# HOUSING (2:1 RED.)					1	1								
2D	**5196284**	& HOUSING (2.5:1 & 3:1 RED.)							1	1	1	1				
2B	**5197337**	HOUSING (2.5:1 & 3:1 RED.)							1	1	1	1				
2B	**103891**	PLUG, 5/8" EXPANSION (12.9330)			1	1										
2B	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)			6	6	6	6	6	6	6	6				
2B	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)			2	2	2	2	2	2	2	2				
2B	**103321**	LOCKWASHER, 3/8" (12.9200)			6	6	6	6	6	6	6	6				
2B	**103322**	LOCKWASHER, 7/16" (12.9200)			2	2	2	2	2	2	2	2				
		& THRU GEAR SERIAL NO. 2562 (1.5:1), 3995 (2.5:1 RED.). USE SECOND HSG. SHOWN IN SAME COLUMN AFTER THESE SERIAL NOS.														
		# NOT SERVICED; FOR REPLACEMENT THRU GEAR SERIAL NO. 6443 USE 5199427 HSG. CONVERSION KIT. USE 5199438 HSG. FOR REPLACEMENT EFF. WITH GEAR SERIAL NO. 6444.														
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2B,C,D	**5196285**	GASKET			1	1	1	1	1	1	1	1				
		9.1287 - GEAR, REDUCTION GEAR INPUT														
2B	**5196251**	GEAR (1.5:1 RED.)			1	1										
		9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR														
2D	**5196256**	PLATE (2.5:1 RED.)							1	1						
2D	**5196255**	PLATE (3:1 RED.)									1	1				
		9.1290 - GEAR, REDUCTION GEAR SUN														
2B	**5196263**	GEAR (1.5:1 RED.)			1	1										
2C	**5196264**	GEAR (2:1 RED.)					1	1								
2D	**5196265**	GEAR (2.5:1 RED.)							1	1						
2D	**5196266**	GEAR (3:1 RED.)									1	1				
2C	**5196267**	RING, SNAP (1 27/32"I.D.)					1	1								
2D	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)							1	1	1	1				
2B	**5196277**	PIN (GEAR DRIVE)			1	1										
2B	**5196278**	PIN, ROLL			1	1										

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	N
			COLUMN													
		9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY														
2B	**5196268**	GEAR ASSY. (1.5:1 RED.)			1	1										
2C	**5196269**	GEAR ASSY. (2:1 RED., L.H.) (2 DRILL SPOTS ON REAR FACE)					1									
2C	**5196288**	GEAR ASSY. (2:1 RED., R.H.)						1								
2D	**5196270**	* GEAR ASSY. (2.5:1 RED.) (10 SPLINES)							1	1						
2D	**5198141**	% GEAR ASSY. (2.5:1 RED.) (24 SPLINES)							AR	AR						
2D	**5196271**	* GEAR ASSY. (3:1 RED.) (10 SPLINES)									1	1				
	5197880	GEAR ASSY. (3:1 RED.) (24 SPLINES)									AR	AR				
2B	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)			1	1										
		* NOT SERVICED; FOR REPLACEMENT USE 5198141 (2.5:1) OR 5197880 (3:1) GEAR ASSY. AND INCLUDE 1-9422151 BEARING IN 9.1350, 1-5198125 FLANGE IN 9.1430 AND 1-5198128 NUT IN 9.1435.														
		% NOT SERVICED, FOR SERVICE USE 5196544.														
		9.1293 - WASHER, REDUCTION GEAR PLANETARY GEAR THRUST														
2C	**5196279**	WASHER (2:1 RED.)					2	2								
		9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
C,D	**5196252**	GEAR (1.5:1, 2:1, 3:1 RED.)			1	1	1	1			1	1				
	5196257	GEAR (2.5:1 RED.)							1	1						
2B,C,D	**5196253**	RING, SNAP (6 1/4"O.D.)			1	1	1	1			1	1				
2D	**5196258**	RING, SNAP (6 17/32"O.D.)							1	1						
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
2B	**5196276**	SHAFT (1.5:1 RED.)			1	1										
2C	**5196273**	SHAFT ASSY. (INCLUDES BUSHING) (2:1 RED.)					1	1								
	5199829	BUSHING (2:1 RED.) (9.1087)					1	1								
		9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT														
	5199316	BEARING	1	1												
2B,C,D	**9413343**	# BEARING			1	1	1	1	1	1	1	1				
2D	**9422151**	* BEARING							AR	AR	AR	AR				
		# WITH 10 SPLINE GEAR ASSY. IN 9.1292.														
		* WITH 24 SPLINE GEAR ASSY. IN 9.1292.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1365 - COVER, REDUCTION GEAR BEARING														
	5196765	COVER	1	1												
2B,C,D	**5196286**	COVER			1	1	1	1	1	1	1	1				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	6	6												
2B,C,D	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)			6	6	6	6	6	6	6	6				
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6	6	6	6	6	6				
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
	5196766	GASKET	1	1												
2B,C,D	**5196287**	GASKET			1	1	1	1	1	1	1	1				
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
2B,C,D	**5199391**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1	1	1				
		9.1380 - BAFFLE, MARINE GEAR OIL														
2A	**5196175**	BAFFLE	1	1	1	1	1	1	1	1	1	1				
		9.1395 - DIPSTICK, REDUCTION GEAR														
2A	**5196176**	% @ DIPSTDIPSTICK (FILLER CAP)	1	1	1	1	1	1	1	1	1	1				
	5133364	& DIPSTICK (FILLER PLUG)	1	1	1	1	1	1	1	1	1	1				
		@ PRIOR TO GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2:1), 1614 (2.5:1) AND 367 (3:1).														
		& EFFECTIVE WITH GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2 1), 1614 (2.5 1) AND 367 (3 1), NOT SER VICED, USE 5149100 AND 5149061 ADAPTOR.														
		% OBSOLETE.														
		9.1410 - TUBE, MARINE GEAR OIL FILLER														
	5196174	@ TUBE (WITH FILLER CAP TYPE DIPSTICK)	1	1	1	1	1	1	1	1	1	1				
		@ PRIOR TO GEAR SERIAL NOS. 16338 (D.D.), 883 (1.5:1), 672 (2:1), 1614 (2.5:1) AND 367 (3:1).														
		9.1430 - FLANGE, PROPELLER DRIVE														
2B,C,D	**5196745**	# FLANGE (4 1/4"B.C.)	1	1	1	1	1	1	1	1	1	1				
2D	**5198125**	* FLANGE (4 1/4"B.C., 24 SPLINES)							AR	AR	AR	AR				
		# WITH 10 SPLINE GEAR ASSY. IN 9.1292.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1430 - FLANGE, PROPELLER DRIVE (CONT'D)														
		* WITH 24 SPLINE GEAR ASSY. IN 9.1292.														
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
2B,C,D	5196805	# NUT	1	1	1	1	1	1	1	1	1	1				
2D	5198128	* NUT							AR	AR	AR	AR				
		# WITH 10 SPLINE GEAR ASSY. IN 9.1292.														
		* WITH 24 SPLINE GEAR ASSY. IN 9.1292.														
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
2A	5198459	* PUMP ASSY. (INCLUDES SEAL IN 9.1505)	1	1	1	1	1	1	1	1	1	1				
2A	5196889	# PUMP ASSY. (INCLUDES SEAL IN 9.1505)	1	1	1	1	1	1	1	1	1	1				
	5198270	* KEY, 3/16" FLANGE	1	1	1	1	1	1								
2A	431787	# KEY, 3/16"X5/8" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1	1				
2A	110533	# SCREW, #10-24X3/4" FIL. HD. SL. (12.9030)	2	2	2	2	2	2	2	2	2	2				
2A	180083	* BOLT, 5/16"-18X1 1/2" (12.9001)	4	4	4	4	4	4								
2A	186643	# BOLT, 5/16"-18X1 7/8" (12.9001)	4	4	4	4	4	4	4	4	4	4				
		* EFF. WITH GEAR SERIAL NOS. 4351 (D.D.), 1850 (1.5:1), 2261 (2:1).														
		# THRU GEAR SERIAL NOS. 4350 (D.D.), 1849 (1.5:1), 2260 (2:1).														
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
2A	5196216	GASKET	1	1	1	1	1	1	1	1	1	1				
		9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2A	5199315	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1	1	1				
		9.1650 - STRAINER, MARINE GEAR OIL														
	5196883	STRAINER	1	1												
2A	5198456	@ STRAINER	1	1	1	1	1	1	1	1	1	1				
	5196178	STRAINER			1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1650 - STRAINER, MARINE GEAR OIL (CONT'D)														
	5198456	& STRAINER (IN MAIN HOUSING)					1	1								
2A	**120428**	@ GASKET, 1" ANNULAR (12.9360)	1	1	1	1	1	1	1	1	1	1				
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	1	1												
	5142549	% PLUG, 3/4" PIPE (12.9550)					1	1								
2A	**453006**	@ PLUG, 1" PIPE (12.9550)			1	1	1	1	1	1	1	1				
	5199386	% DEFLECTOR, OIL (IN MAIN HOUSING)					1	1								
	5198458	& PIPE, OIL STRAINER	1	1	1	1	1	1								
	5199388	% SPRING, OIL DEFLECTOR					1	1								
	5199387	% WASHER, DEFLECTOR SPRING					1	1								
	5196890	BUSHING, REDUCING	1	1												
	5198457	& BUSHING, 3/4"X3/8" RED.	1	1	1	1	1	1								
		@ GEAR ASSYS. WITH OIL INLET TO SIDE OF REDUCTION HOUSING.														
		& USE FOR GEAR ASSYS. WITH OIL INLET TO SIDE OF MAIN HOUSING.														
		% USE FOR GEAR ASSYS. WITH OIL INLET TO TOP OF REDUCTION HOUSING.														
		9.1840 - BREATHER, MARINE GEAR														
2A	**5198454**	+ BREATHER (.338" DRIVE TYPE)	1	1	1	1	1	1								
2A	**5196177**	BREATHER (3/8"-18 THREAD)	1	1	1	1	1	1	1	1	1	1				
2A	**5197510**	BREATHER (1/2" DRIVE TYPE)	1	1	1	1	1	1	1	1	1	1				
		+ EFF. WITH GEAR SERIAL NOS. 4941 (D.D.), 1854 (1.5:1), 2261 (2:1), 9676 (2.5:1).														

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
1A,B	**5133890**	+ GEAR ASSY. (2.5:1 RED., L.H.)	1													
1A,B	**5133891**	+ GEAR ASSY. (2.5:1 RED., R.H.)		1												
1A,B	**5133892**	+ GEAR ASSY. (3:1 RED., L.H.)			1											
1A,B	**5133893**	+ GEAR ASSY. (3:1 RED., R.H.)				1										
1B	**5162730**	+ GEAR ASSY. (1.9:1 RED., L.H.)					1									
		+ NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2A	**5196179**	* ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1										
2A	**5198322**	@ ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1									
2A	**455724**	BEARING (NEEDLE)	1	1	1	1	1									
2A	**5121182**	*PLUG, 1/4" PIPE (2.4015)*	1	1	1	1	1									
2A	**5197537**	BOLT, 3/8"-16X1 1/4" 12 PT. HD.	4	4	4	4	4									
		* THRU GEAR SERIAL NOS. 2957 (2.5:1), 1135 (3:1).														
		@ EFF. WITH GEAR SERIAL NOS. 2958 (2.5:1) AND 1136 (3:1).														
		9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR														
2A	**5196181**	GASKET	1	1	1	1	1									
		9.1010 - HOUSING, MARINE GEAR														
		A HOUSING ASSEMBLY INCLUDES BUSHING IN 9.1010.														
2A	**5198096**	HOUSING ASSY. (RED. DRIVE)	1	1	1	1	1									
2A	**5196511**	BUSHING (OUTPUT SHAFT)	2	2	2	2										
	5198461	PLUG, .338" DIA. CUP	1	1	1	1										
2A	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1									
2A	**5145014**	PLUG, 3/8" PIPE (12.9550)	2	2	2	2	2									
	9421745	PLUG (1/2" CUP)	1	1	1	1										
	5197210	% NAME PLATE					1									
	190073	*SCREW, #2X3/16" DRIVE (12.9067)*					2									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1026 - SHAFT, MARINE GEAR INPUT														
2A	**5198371**	SHAFT (INCLUDES FLANGE KEY IN 9.1475)	1	1	1	1	1									
		9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
2A	**9416195**	BEARING	1	1	1	1	1									
2A	**5196543**	RING, SNAP (1 29/64"I.D.)	1	1	1	1	1									
2A	**5196545**	RING, SNAP (2 29/64"I.D.)	1	1	1	1	1									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1030 - PISTON, REVERSE CLUTCH														
2A	5196183	PISTON	1	1	1	1	1									
		9.1035 - SEAL, REVERSE CLUTCH PISTON														
2A	5196188	SEAL RING (3 1/2" DIA.)	1	1	1	1	1									
2A	5196180	SEAL RING (7 1/2" DIA.)	1	1	1	1	1									
		9.1045 - PLATE, REVERSE CLUTCH														
2A	5196730	PLATE (SPLINED)	3	3	3	3	3									
2A	5196303	PLATE	2	2	2	2	2									
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
2A	5196186	SPRING	12	12	12	12	12									
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
2A	5196184	PLATE	1	1	1	1	1									
2A	5196733	PIN (27/32"L.)	3	3	3	3	3									
		9.1080 - GEAR ASSY., MARINE GEAR PLANETARY														
		INCLUDES BUSHINGS IN 9.1087.														
2A	5196804	GEAR ASSY. (2.5:1 & 3:1 RED.)	1	1	1	1	1									
2A	5197209	GEAR ASSY. (1.9:1 RED)					1									
2A	5196272	SCREEN					1									
2A	5197230	BOLT, 5/16"-18					6									
2A	103320	LOCKWASHER, 5/16" (12.9001)					6									
		9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST														
2A	5196211	WASHER (1 3/4"O.D.)	1	1	1	1	1									
		9.1087 - BEARING, MARINE GEAR PLANETARY GEAR														
2D	5197342	BEARING (2.5:1 & 3:1 RED.) (9.1350)	1	1	1	1	1									
	5199829	BUSHING	2	2	2	2										
2D	5196259	RING, SNAP (1 27/64" DIA.)	1	1	1	1	1									
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2A	5196549	GEAR	1	1	1	1	1									
2A	5196199	RING, SNAP (5 7/8"O.D.)	1	1	1	1	1									

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1135 - VALVE ASSY., SELECTOR														
2A	**5196217**	VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160)	1	1	1	1	1									
		9.1137 - VALVE, SELECTOR														
2A	**5196218**	VALVE	1	1	1	1	1									
		9.1155 - SPRING, SELECTOR VALVE														
2A	**5196219**	SPRING	1	1	1	1	1									
2A	**5196220**	RETAINER, SPRING	1	1	1	1	1									
2A	**5196212**	RING, SNAP	1	1	1	1	1									
		9.1160 - SEAL, SELECTOR VALVE OIL														
2A	**5196222**	SEAL RING	1	1	1	1	1									
		9.1175 - LEVER, SELECTOR VALVE														
2A	**5197136**	LEVER	1	1	1	1	1									
2A	**5196221**	SPRING (DETENT)	1	1	1	1	1									
2A	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1	1	1	1	1									
2A	**103340**	WASHER, 5/16" FLAT (12.9190)	1	1	1	1	1									
2A	**108579**	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1									
2A	**114493**	NUT, 5/16"-24 (12.9120)	1	1	1	1	1									
		9.1178 - COVER, SELECTOR VALVE														
2A	**5196224**	COVER	1	1	1	1	1									
2A	**186676**	BOLT, 1/4"-20X5/8" (12.9001)	3	3	3	3	3									
2A	**120380**	LOCKWASHER, 1/4" (12.9200)	3	3	3	3										
2A	**103319**	LOCKWASHER, 1/4" (12.9200)					3									
		9.1179 - GASKET, SELECTOR VALVE COVER														
2A	**5196225**	GASKET	1	1	1	1	1									
		9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2A	**5196546**	CYLINDER	1	1	1	1	1									
2A	**5196198**	SEAL RING (ON INPUT SHAFT)	2	2	2	2	2									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST														
2A	**5196881**	WASHER, .063" THICK	1	1	1	1	1									
		9.1225 - PISTON, FORWARD CLUTCH														
2A	**5196196**	PISTON	1	1	1	1	1									
		9.1230 - SEAL, FORWARD CLUTCH PISTON														
2A	**5196195**	SEAL RING, 2.016" I.D.	1	1	1	1	1									
2A	**5196197**	SEAL RING, 4.120" I.D.	1	1	1	1	1									
		9.1235 - PLATE, FORWARD CLUTCH														
2A	**5196202**	PLATE (INNER)	1	1	1	1	1									
2A	**5196205**	PLATE (OUTER)	1	1	1	1	1									
2A	**5197160**	PLATE	7	7	7	7	7									
2A	**5196203**	PLATE (STEEL)	6	6	6	6	6									
	5196770	SHIM (SNAP RING) (.050")	AR	AR	AR	AR	AR									
	5196771	SHIM (SNAP RING) (.075")	AR	AR	AR	AR	AR									
	5196772	SHIM (SNAP RING) (.100")	AR	AR	AR	AR	AR									
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2A	**5196201**	SPRING	1	1	1	1	1									
2A	**5196200**	RING, SNAP (3" DIA.)	1	1	1	1	1									
2A	**5196209**	RING, SNAP (5 1/2" DIA.)	1	1	1	1	1									
		9.1242 - HUB, FORWARD CLUTCH														
2A	**5196547**	HUB	1	1	1	1	1									
2A	**5196207**	RING, SNAP (1 21/32" DIA.)	1	1	1	1	1									
2A	**124553**	KEY, 1/4"X1" WOODRUFF (12.9350)	1	1	1	1	1									
		9.1282 - PLATE, REDUCTION GEAR ADAPTOR														
2D	**5197338**	* PLATE (2.5:1 & 3:1 RED.)	1	1	1	1										
2D	**5196248**	@ PLATE (2.5:1 & 3:1 RED.)	1	1	1	1										
2B,D	**5198554**	PLATE (1.9:1 RED.)					1									
2D	**5199061**	BOLT, 7/16"-14X1 1/4" (NYLON INSERT)	6	6	6	6										
2B	**5199060**	BOLT, 7/16"-14X1" (NYLON INSERT)					6									
2D	**114607**	LOCKWASHER, 7/16" EXT. TOOTH (12.9210)	6	6	6	6	6									

* EFF. WITH GEAR SERIAL NOS. 3996 (2.5:1 RED.), 1576 (3:1 RED.).

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1282 - PLATE, REDUCTION GEAR ADAPTOR (CONT'D)														
		@ THRU GEAR SERIAL NOS. 3995 (2.5:1 RED.) AND 1575 FOR 3:1 RATIOS.														
		9.1283 - GASKET, REDUCTION GEAR ADAPTOR PLATE														
2B,C,D	**5196260**	GASKET	1	1	1	1	1									
		9.1285 - HOUSING, REDUCTION GEAR														
2D	**5197337**	* HOUSING (2.5:1 & 3:1 RED.)	1	1	1	1										
2D	**5196284**	@ HOUSING (2.5:1 & 3:1 RED.)	1	1	1	1										
2B	**5197334**	# HOUSING (1.9:1 RED.)					1									
2D	**186619**	BOLT, 3/8"-16X1 1/8" (12.9001)	6	6	6	6	6									
2D	**427567**	BOLT, 7/16"-14X1 3/4" (12.9001)	2	2	2	2	2									
2D	**103321**	LOCKWASHER, 3/8" (12.9200)	6	6	6	6	6									
2D	**103322**	LOCKWASHER, 7/16" (12.9200)	2	2	2	2	2									
		* EFF. WITH GEAR SERIAL NOS. 3996 (2.5:1 RED.), 1576 (3:1 RED.).														
		@ THRU GEAR SERIAL NOS. 3995 (2.5:1 RED.) AND 1575 FOR 3:1 RATIOS.														
		# *NOT SERVICED, FOR REPLACEMENT* THRU GEAR SERIAL NO. 6443 USE 5199427 HOUSING CONVERSION KIT. USE 5199398 HOUSING FOR REPLACEMENT EFFECTIVE WITH GEAR SERIAL NO. 6444.														
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2B,C,D	**5196285**	GASKET	1	1	1	1	1									
		9.1288 - PLATE, REDUCTION GEAR PLANETARY RING GEAR														
2D	**5196256**	PLATE (2.5:1 RED.)	1	1												
2D	**5196255**	PLATE (3:1 RED.)			1	1										
		9.1290 - GEAR, REDUCTION GEAR SUN														
2D	**5196265**	GEAR (2.5:1 RED.)	1	1												
2D	**5196266**	GEAR (3:1 RED.)			1	1	1									
2D	**3709351**	RING, SNAP (1 1/4"I.D.) (9.1027)	1	1	1	1	1									
		9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY														
2D	**5198141**	+ GEAR ASSY. (2.5:1 RED.)	1	1												
2D	**5197880**	GEAR ASSY. (3:1 RED.)			1	1										
		+ NOT SERVICED, FOR SERVICE USE 5196544.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
2B,C,D	**5196252**	GEAR (1.5:1, 2:1, 3:1 RED.)			1	1	1									
2D	**5196257**	GEAR (2.5:1 RED.)	1	1												
2B,C,D	**5196253**	RING, SNAP (6 1/4"O.D.)			1	1	1									
2D	**5196258**	RING, SNAP (6 17/32"O.D.)	1	1												
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
2B	**5197211**	SHAFT					1									
		9.1350 - BEARING, REDUCTION GEAR OUTPUT SHAFT														
2B,C,D	**9422151**	BEARING	1	1	1	1										
2B,C,D	**9413343**	BEARING					1									
		9.1365 - COVER, REDUCTION GEAR BEARING														
2B,C,D	**5196286**	COVER	1	1	1	1	1									
2B,C,D	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)	6	6	6	6	6									
2B,C,D	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6	6	6	6									
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
2B,C,D	**5196287**	GASKET	1	1	1	1	1									
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
2B,C,D	**5199391**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1									
		9.1380 - BAFFLE, MARINE GEAR OIL														
2D	**5196175**	BAFFLE	1	1	1	1	1									
		9.1395 - DIPSTICK, REDUCTION GEAR														
	5133364	* DIPSTICK (FILLER PLUG)	1	1	1	1										
2A	**5149100**	DIPSTICK					1									
		* NOT SERVICED, USE 5149100 PLUS 1-5149061 ADAPTOR.														
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER														
2E	**5149061**	ADAPTOR (FOR SQUEEZE TYPE DIPSTICK)	1	1	1	1	1									
		9.1430 - FLANGE, PROPELLER DRIVE														
2D	**5198125**	FLANGE (4 1/4"B.C., 24 SPLINES)	1	1	1	1										
2B	**5196745**	FLANGE					1									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
2D	**5198128**	NUT	1	1	1	1										
2B	**5196805**	NUT					1									
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
2A	**5198459**	*PUMP ASSY. (INCLUDES SEAL IN 9.1505)*	1	1	1	1										
2A	**5196889**	# PUMP ASSY. (INCLUDES SEAL IN 9.1505, GEARS AND PLATE NOT SOLD SEPARATELY)	1	1	1	1										
	5198270	* KEY, 3/16" FLANGED	1	1	1	1	1									
2A	**431787**	# KEY, 3/16"X5/8" WOODRUFF (12.9350)	1	1	1	1										
2A	**110533**	# SCREW, #10-24X3/4" FL. HD. SL. (12.9030)	2	2	2	2										
2A	**180083**	* BOLT, 5/16"-18X1 1/2" (12.9001)	4	4	4	4										
2A	**186643**	# BOLT, 5/16"-18X1 7/8" (12.9001)	4	4	4	4										
2A	**179822**	BOLT, 5/16"-18X1 1/2" (12.9001)					4									
		# THRU GEAR SERIAL NOS. 2957 (2.5:1 RED.), 1135 (3:1 RED.).														
		* EFFECTIVE WITH GEAR SERIAL NOS. 2958 (2.5:1 RED.), 1136 (3:1 RED.).														
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
	5196216	GASKET	1	1	1	1	1									
		9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5199315**	SEAL, OIL	1	1	1	1	1									
		9.1650 - STRAINER, MARINE GEAR OIL														
2A	**5196178**	STRAINER	1	1	1	1										
2A	**5198456**	STRAINER	1	1	1	1	1									
2A	**120428**	GASKET, 1" ANNULAR (12.9360)	1	1	1	1	1									
2A	**453006**	PLUG, 1" PIPE (12.9550)	1	1	1	1	1									
	5198457	BUSHING, 3/4"X3/8" RED. PIPE	1	1	1	1										
	5198458	PIPE, OIL STRAINER	1	1	1	1										
		9.1840 - BREATHER, MARINE GEAR														
2A	**5196177**	BREATHER (3/8"-18 THREAD)	1	1	1	1										
2A	**5197510**	BREATHER (1/2" DRIVE TYPE)	1	1	1	1										
2A	**5198454**	BREATHER (VALVE TYPE)					1									

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSY., HYDRAULIC MARINE														
1B	**5148454**	GEAR ASSY. (DIRECT DRIVE, L.H.)	1													
1B	**5148453**	GEAR ASSY. (DIRECT DRIVE, R.H.)		1												
1B	**5148428**	GEAR ASSY. (1.5:1 RED., L.H.)			1											
1B	**5148427**	GEAR ASSY. (1.5:1 RED., R.H.)				1										
1B	**5141129**	GEAR ASSY. (2:1 RED., L.H.)					1									
1B	**5141130**	GEAR ASSY. (2:1 RED., R.H.)						1								
1B	**5144705**	GEAR ASSY. (3:1 RED., L.H.)							1							
1B	**5144706**	GEAR ASSY. (3:1 RED., R.H.)								1						
	5199980	PLATE, NAME	1	1	1	1	1	1	1	1						
	190073	SCREW, DRIVE #2X3/16" (12.9065)	2	2	2	2	2	2	2	2						
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2E,F	**5199973**	ADAPTOR ASSY. (INCLUDES BEARING)	1	1	1	1	1	1	1	1						
2E,F	**5149001**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1						
2E,F	**5145009**	PLUG, 1/8" PIPE (12.9550)	3	3	3	3	3	3	3	3						
2E,F	**5121182**	PLUG, 1/4" PIPE (2.4015)	1	1	1	1	1	1	1	1						
2E,F	**5197537**	BOLT, 3/8"-16X1 1/4" 12 PT. HD.	4	4	4	4	4	4	4	4						
		9.1008 - GASKET, MARINE GEAR HOUSING ADAPTOR														
2E,F	**5149030**	GASKET	1	1	1	1	1	1	1	1						
		9.1010 - HOUSING ASSY., REVERSE GEAR														
		A DIRECT DRIVE HOUSING ASSEMBLY INCLUDES COVER, BOLTS, LOCKWASHERS AND CUP PLUGS IN 9.1010. A 1.5:1 HOUSING ASSEMBLY INCLUDES 15/64" DIA. CUP PLUG IN 9.1010. A 2:1 AND 3:1 HOUSING ASSEMBLY INCLUDES DOWEL PINS PLUS 15/64" DIA. CUP PLUG IN 9.1010.														
2E	**5149070**	HOUSING ASSY. (DIRECT DRIVE)	1	1												
2F	**5199970**	HOUSING ASSY. (1.5:1)			1	1										
2F	**5199969**	HOUSING ASSY. (2:1 & 3:1)					1	1	1	1						
2E	**5149014**	COVER, OIL HOLE	1	1												
2F	**141283**	PIN, DOWEL (1"L.X1/2" DIA.)					2	2	2	2						
2E,F	**5145009**	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1						
2E,F	**5149835**	PLUG, ORIFICE	1	1	1	1	1	1	1	1						
2E	**5199977**	PLUG (17/64" DIA. CUP)	1	1												
2E,F	**5145014**	PLUG, 3/8" PIPE (12.9550)	2	2	2	2	2	2	2	2						
2E	**179857**	BOLT, 7/16"-14X7/8" (12.9001)	2	2												
2E	**114607**	LOCKWASHER, 7/16" (12.9200)	2	2												

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9.1000A HYDRAULIC MARINE GEAR

IG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1019 - VALVE, OIL COOLER PRESSURE REGULATOR														
2E,F	**5149029**	SPRING	1	1	1	1	1	1	1	1						
2E,F	**5149022**	RETAINER	1	1	1	1	1	1	1	1						
2E,F	**453595**	BALL, 7/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1						
		9.1021 - VALVE, MARINE GEAR PRESSURE REGULATOR														
2E,F	**5149023**	SPRING	1	1	1	1	1	1	1	1						
2E,F	**5149022**	RETAINER (9.1019)	1	1	1	1	1	1	1	1						
2E,F	**453595**	BALL, 7/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1						
		9.1030 - PISTON, REVERSE CLUTCH														
2E,F	**5196183**	PISTON	1	1	1	1	1	1	1	1						
		9.1035 - SEAL, REVERSE CLUTCH PISTON														
2E,F	**5196188**	SEAL RING (3 1/2" DIA.)	1	1	1	1	1	1	1	1						
2E,F	**5196180**	SEAL RING (7 1/2" DIA.)	1	1	1	1	1	1	1	1						
		9.1045 - PLATE, REVERSE CLUTCH DISC														
2E,F	**5149757**	PLATE (SPLINED)	4	4	4	4	4	4	4	4						
2E,F	**5196303**	PLATE	3	3	3	3	3	3	3	3						
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
2E,F	**5196186**	SPRING	12	12	12	12	12	12	12	12						
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
2E,F	**5149016**	PLATE	2	2	2	2	2	2	2	2						
2E,F	**5199979**	PIN, DOWEL (1 1/4"L.X5/16" DIA.)	3	3	3	3	3	3	3	3						
		9.1080 - GEAR ASSY., PLANETARY														
2E,F	**5149026**	GEAR ASSY. (INCLUDES BEARING IN 9.1085)	1	1	1	1	1	1	1	1						
2E,F	**5199990**	SEAL RING (1.6255"O.D.)	1	1	1	1	1	1	1	1						
		9.1085 - BEARING, OUTPUT SHAFT														
2E,F	**5199994**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1						
2E,F	**5149000**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1						
2E,F	**5199997**	RACE	1	1	1	1	1	1	1	1						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1087 - BEARING, PLANETARY GEAR														
2E,F	**5199994**	BEARING (NEEDLE)	1	1	1	1	1	1	1	1						
2E,F	**5199997**	RACE	1	1	1	1	1	1	1	1						
2E,F	**5199996**	RACE	1	1	1	1	1	1	1	1						
2E,F	**5149012**	WASHER (3 5/8"O.D.X2"I.D.)	1	1	1	1	1	1	1	1						
		9.1089 - SHAFT ASSY., PLANETARY OUTPUT														
		A SHAFT ASSY. INCLUDES SLEEVE ASSY. IN 9.1092.														
2E	**5149011**	SHAFT ASSY.	1	1												
2F	**5149010**	SHAFT ASSY.			1	1	1	1	1	1						
2F	**5199989**	SEAL RING (1 5/16"I.D.)			1	1	1	1	1	1						
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2E,F	**5199971**	GEAR	1	1	1	1	1	1	1	1						
2E,F	**5199992**	RING, SNAP (7 9/32"O.D.)	1	1	1	1	1	1	1	1						
		9.1092 - SLEEVE ASSY., OUTPUT SHAFT														
2E,F	**5149025**	SLEEVE ASSY.	1	1	1	1	1	1	1	1						
		9.1096 - HUB ASSY., REVERSE CLUTCH														
2E,F	**5149024**	HUB ASSY.	1	1	1	1	1	1	1	1						
		9.1097 - BEARING, OUTPUT SHAFT														
2F	**5199962**	BEARING			1	1	1	1	1	1						
2G	**9028332**	RING, SNAP (3 13/32"I.D.)			1	1										
2E	**5199981**	SPACER (1 19/32"I.D.X1 15/16" O.D.X.065" THICK)	1	1												
2E	**5149017**	SPACER (3.508"O.D.X.635" WIDE)	1	1												
2E	**5149006**	CONE, BEARING	2	2												
2E	**5149007**	CLIP, BEARING	2	2												
		9.1098 - RETAINER, OUTPUT SHAFT BEARING														
2G	**5199898**	RETAINER			1	1										
2H,J	**5199961**	RETAINER					1	1	1	1						
2G,H,J	**179857**	BOLT, 7/16"-14X7/8" (12.9001)			6	6	6	6	6	6						
2G,H,J	**114607**	LOCKWASHER, 7/16" (12.9200)			6	6	6	6	6	6						

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1099 - COVER, OUTPUT SHAFT BEARING														
2E	**5199972**	COVER	1	1												
2E	**193221**	BOLT, 7/16"-14X1 1/4" (12.9001)	6	6												
2E	**103322**	LOCKWASHER, 7/16" (12.9200)	6	6												
		9.1102 - GASKET, MARINE GEAR HOUSING REAR														
2E	**5149031**	GASKET	1	1												
		9.1135 - VALVE ASSY., SELECTOR														
2E,F	**5149033**	VALVE ASSY. (INCLUDES ITEMS IN 9.1137 THRU 9.1160)	1	1	1	1	1	1	1	1						
		9.1137 - VALVE, SELECTOR														
2E,F	**5149032**	VALVE	1	1	1	1	1	1	1	1						
		9.1155 - SPRING, SELECTOR VALVE PRESSURE														
2E,F	**5199976**	SPRING (2.77" LONG)	1	1	1	1	1	1	1	1						
2E,F	**5196220**	RETAINER, SPRING	1	1	1	1	1	1	1	1						
2E,F	**5196212**	RING, SNAP	1	1	1	1	1	1	1	1						
		9.1157 - CAM, NEUTRAL														
	5149936	CAM	1	1	1	1	1	1	1	1						
	179796	BOLT, 1/4"-20X7/8" (12.9001)	3	3	3	3	3	3	3	3						
	103319	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3	3	3						
		9.1160 - SEAL, SELECTOR VALVE OIL														
2E,F	**5196222**	SEAL RING	1	1	1	1	1	1	1	1						
		9.1175 - LEVER, SELECTOR VALVE OPERATING														
2E,F	**5149008**	LEVER	1	1	1	1	1	1	1	1						
2E,F	**5196221**	SPRING (DETENT)	1	1	1	1	1	1	1	1						
2E,F	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1	1	1	1	1	1	1	1						
2E,F	**103340**	WASHER, 5/16" (12.9190)	1	1	1	1	1	1	1	1						
2E,F	**108579**	LOCKWASHER, 5/16" (12.9200)	1	1	1	1	1	1	1	1						
2E,F	**114493**	NUT, 5/16"-24 (12.9120)	1	1	1	1	1	1	1	1						
		9.1178 - COVER, SELECTOR VALVE														
2E,F	**5149765**	COVER	1	1	1	1	1	1	1	1						
2E,F	**179793**	BOLT, 1/4"-20X7/8" (12.9001)	3	3	3	3	3	3	3	3						
2E,F	**103319**	LOCKWASHER, 1/4" (12.9200)	3	3	3	3	3	3	3	3						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1179 - GASKET, SELECTOR VALVE COVER														
2E,F	**5196225**	GASKET	1	1	1	1	1	1	1	1						
		9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2E,F	**5149013**	CYLINDER	1	1	1	1	1	1	1	1						
2F	**5149015**	PLATE			2	2	2	2	2	2						
2E,F	**5199963**	SEAL RING (1.480"O.D.)	1	1	1	1	1	1	1	1						
2E,F	**5199991**	SEAL RING (2.250"O.D.)	2	2	2	2	2	2	2	2						
2E,F	**5196543**	RING, SNAP (1 29/64"I.D.)	1	1	1	1	1	1	1	1						
		9.1225 - PISTON, FORWARD CLUTCH														
		A PISTON ASSY. INCLUDES BALL NOT SERVICED SEPARATELY.														
2E,F	**5199968**	PISTON ASSY.	1	1	1	1	1	1	1	1						
		9.1230 - SEAL, FORWARD CLUTCH PISTON														
2E,F	**5199964**	SEAL RING (1.579"O.D.)	1	1	1	1	1	1	1	1						
2E,F	**5199965**	SEAL RING (5.292"O.D.)	1	1	1	1	1	1	1	1						
		9.1235 - PLATE, FORWARD CLUTCH														
2E,F	**5149809**	PLATE (INNER)	6	6	6	6	6	6	6	6						
2E,F	**5199967**	PLATE (OUTER)	6	6	6	6	6	6	6	6						
2E,F	**5196205**	PLATE	1	1	1	1	1	1	1	1						
2E,F	**5199985**	RING, SNAP (5 9/16"O.D.)	1	1	1	1	1	1	1	1						
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2E,F	**5199966**	SPRING	1	1	1	1	1	1	1	1						
		9.1285 - HOUSING, REDUCTION GEAR														
2G,H,J	**5199862**	HOUSING			1	1	1	1	1	1						
2G,H,J	**179861**	BOLT, 7/16"-14X1 3/8" (12.9001)			6	6	6	6	6	6						
2G,H,J	**103322**	LOCKWASHER, 7/16" (12.9200)			6	6	6	6	6	6						
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2G,H,J	**5149031**	GASKET			1	1	1	1	1	1						

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	9.1290 - GEAR, REDUCTION GEAR SUN														
2G **5199870**	GEAR (1.5:1 RED.)			1	1										
2H **5199959**	GEAR (2:1 RED.)					1	1								
2J **5199960**	GEAR (3:1 RED.)							1	1						
2G,H,J **5199984**	RING, SNAP (1 13/32"I.D.)			1	1	1	1	1	1						
	9.1292 - GEAR ASSY., REDUCTION GEAR PLANETARY														
2G,H,J **5149020**	GEAR ASSY.			1	1	1	1	1	1						
	9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
2G,H,J **5199971**	GEAR			1	1	1	1	1	1						
2G,H,J **5199992**	RING, SNAP (7 9/32"O.D.)			1	1	1	1	1	1						
	9.1299 - HUB, REDUCTION RING GEAR														
2G **5199974**	HUB (1.5:1 RED.)			1	1										
2H,J **5199975**	HUB (2:1, 3:1 RED.)					1	1	1	1						
2G,H,J **5199986**	RING, SNAP (2 13/16"I.D.)			2	2	3	3	3	3						
	9.1340 - SHAFT, REDUCTION GEAR DRIVE														
2G **5199863**	SHAFT (1.5:1 RED.)			1	1										
J **5199922**	SHAFT (2:1, 3:1 RED.)					1	1	1	1						
	9.1350 - BEARING, REDUCTION GEAR DRIVE SHAFT THRUST														
2G,H,J **5149005**	BEARING			1	1	1	1	1	1						
	9.1365 - COVER, REDUCTION GEAR BEARING														
2G,H,J **5199873**	COVER			1	1	1	1	1	1						
2G,H,J **193221**	BOLT, 7/16"-14X1 1/4" (12.9001)			6	6	6	6	6	6						
2G,H,J **103322**	LOCKWASHER, 7/16" (12.9200)			6	6	6	6	6	6						
	9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
2G,H,J **5149028**	GASKET			1	1	1	1	1	1						
	9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
2E,G,H **5149676**	SEAL, OIL	1	1	1	1	1	1	1	1						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1380 - BAFFLE, MARINE GEAR HOUSING OIL														
2E,F	**5149027**	BAFFLE	1	1	1	1	1	1	1	1						
		9.1386 - BAFFLE, REDUCTION HOUSING OIL														
2G,H,J	**5149019**	BAFFLE			1	1	1			1						
2G,H,J	**5149119**	BAFFLE						1	1							
2G,H,J	**179857**	BOLT, 7/16"-14X7/8" (12.9001)			5	5	5	5	5	5						
2G,H,J	**103322**	LOCKWASHER, 7/16" (12.9200)			5	5	5	5	5	5						
		9.1395 - DIPSTICK, REDUCTION GEAR														
2E,F	**5149062**	DIPSTICK (SQUEEZE TYPE) (5.38" TO FULL, 6.13" TO LOW)	1	1	1	1	1	1	1	1						
		9.1410 - TUBE, MARINE GEAR OIL FILLER														
2E,F	**5101127**	ADAPTOR (3/4"-14X2" O.A.L.)	1	1	1	1	1	1	1	1						
		9.1430 - FLANGE, PROPELLER DRIVE														
2E	**5149004**	FLANGE (18 SPLINES)	1	1												
2G,H,J	**5149003**	FLANGE (27 SPLINES)			1	1	1	1	1	1						
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
2E,G,H	**5199987**	NUT, 1 1/4"-18	1	1	1	1	1	1	1	1						
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR														
2E,F	**5198459**	PUMP ASSY. (INCLUDES SEAL IN 9.1505)	1	1	1	1	1	1	1	1						
2E,F	**5149002**	KEY	1	1	1	1	1	1	1	1						
2E,F	**179821**	BOLT, 5/16"-18X1 3/8" (12.9001)	4	4	4	4	4	4	4	4						
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
2E,F	**5196216**	GASKET	1	1	1	1	1	1	1	1						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2E,F	**5199315**	SEAL, OIL (DOUBLE LIP)	1	1	1	1	1	1	1	1						
		9.1650 - STRAINER, MARINE GEAR OIL														
2E,F	**5198456**	STRAINER	1	1	1	1	1	1	1	1						
2E,F	**5142549**	PLUG, 3/4" PIPE (12.9550)	1	1	1	1	1	1	1	1						
		9.1840 - BREATHER, MARINE GEAR														
2E,F	**5199982**	BREATHER (3/8" DRIVE TYPE)	1	1	1	1	1	1	1	1						

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSEMBLY, HYDRAULIC MARINE														
3A	**5136432**	# GEAR ASSY. (2.42:1)	1													
3A	**5136127**	# GEAR ASSY. (1.93:1)		1												
3A	**5136570**	# GEAR ASSY. (2.91:1)			1											
3A	**5137157**	# GEAR ASSY. (1.93:1)				1										
3A	**5136126**	# GEAR ASSY. (1.47:1)					1									
3A	**5143834**	# GEAR ASSY. (2.42:1)						1								
3A	**5143835**	# GEAR ASSY. (2.90:1)							1							
3A	**5144971**	# GEAR ASSY. (1.93:1)								1						
3A	**5144972**	# GEAR ASSY. (2.42:1)									1					
3A	**5144973**	# GEAR ASSY. (2.90:1)										1				
	179839	BOLT, 3/8"-16X1" (12.9001)	12	12	12	12	12	12	12	12	12	12				
		# NOT SERVICED, SHOWN FOR REFERENCE ONLY.														
		9.1006 - COUPLING, MARINE GEAR DRIVE														
4A	**5198785**	% RING, DRIVE	1					1	1	1	1	1				
4A	**5198889**	% * RING, DRIVE (FIBER)		1	1	1	1									
	5149086	% WASHER, 3/8" PLAIN		8			8									
		* NOT SERVICED, REPLACE WITH KIT 5198700 IN 9.1016.														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC. 1328 RACINE ST. RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1008 - GASKET, MARINE GEAR HOUSING														
4A	**5198898**	% GASKET	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1009 - SPIDER, MARINE GEAR DRIVE														
4A	**5198786**	% SPIDER	1					1	1	1	1	1				
4A	**5198891**	% SPIDER		1	1	1	1									
4A	**5198768**	BLOCK (RUBBER)	20					20	20							
		* NOT SERVICED, REPLACE WITH KIT 5198700 IN 9.1016.														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1010 - HOUSING, REVERSE GEAR														
		A HOUSING ASSY. INCLUDES HOUSING & COVER WHICH ARE NOT SERVICED SEPARATELY, GASKET IN 9.1008 AND ITEMS INDICATED (=) IN 9.1010.														
4B	**5198778**	% HOUSING ASSY. (2.42:1, 2.91:1 RATIO)	1		1						1					
4B	**5198807**	% HOUSING ASSY. (1.47:1, 1.93:1 RATIO)		1		1	1									
4B	**5198659**	% HOUSING ASSY. (2.42:1, 2.90:1 RATIO)						1	1			1				
4B	**5149072**	% HOUSING ASSY. (1.47:1, 1.93:1 RATIO)								1						

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9.1000A HYDRAULIC MARINE GEAR

REG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1010 - HOUSING, REVERSE GEAR (CONT'D)														
	5149071	% PLUG (DRAIN)						1	1	1	1	1				
	5198660	% RING, SEAL (DRAIN PLUG)						1	1	1	1	1				
	141264	% PIN, DOWEL (1"X7/16" DIA.)						2	2							
	5198781	PLATE, NAME	1	1	1	1	1	1	1							
	5198894	% PLATE, ROTATION INDICATOR (9.1001)	1	1	1	1	1	1	1							
	5199044	BREATHER (9.1840)						1	1							
	180175	% BOLT, 1/2"-13X1 1/4"						9	9							
	192413	% SCREW, #4X1/4" DRIVE (12.9067)	6	6	6	6	6	6	6	6	6	6				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST. RACINE, WISC. 53403 OR NEAREST OUOUTLET.														
		9.1011 - BRACKET, REVERSE GEAR MOUNTING														
3A	**5198788**	% BRACKET	2	2	2	2	2	2	2							
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)	8	8	8	8	8	8	8							
	120239	LOCKWASHER, 1/2" (12.9200)	8	8	8	8	8	8	8							
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1014 - RETAINER, SPIDER DRIVE														
4A	**5149081**	% PIN, ROLL	1	1	1	1	1									
4A	**5198518**	% LOCKPLATE	1	1	1	1	1									
	5198519	% WASHER, RETAINING	1	1	1	1	1									
	5149082	% WASHER, RETAINING						1	1	1	1	1				
4A	**271581**	BOLT, 5/8"-18X1 1/4" (12.9001)						1	1	1	1	1				
5A	**223809**	BOLT, 5/8"-18X1 1/2" (12.9001)	1	1	1	1	1									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1016 - CONVERSION KIT, MARINE GEAR														
		NOTE: INCLUDES 5198785 DRIVE RING IN 9.1006, 5198786 SPIDER AND 5198768 BLOCKS IN 9.1009, NAME PLATE AND DR IVE SCREWS IN 9.1010 PLUS 5198518 LOCKPLATE IN 9.1014.														
	5198700	% CONVERSION KIT		1	1	1	1									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1018 - SEAL, MARINE GEAR INPUT SHAFT														
4A	**5198749**	SEAL	1	1	1	1	1	1	1	1	1	1				
		9.1024 - SUPPORT, INPUT SHAFT BE ING														
4A	**5198753**	% SUPPORT	1	1	1	1	1	1	1	1	1	1				
4A	**5198796**	SHIM (.005")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
4A	**5198797**	% SHIM (.007")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1024 - SUPPORT, INPUT SHAFT BEARING (CONT'D)														
4A	**5198798**	% SHIM (.020")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
4A	**179839**	BOLT, 3/8"-16X1" (12.9001)	6	6	6	6	6	6	6	6	6	6				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1026 - SHAFT, MARINE GEAR INPUT														
4A	**5198746**	% SHAFT (2.42:1, 2.91:1 RATIO)	1		1			*								
4A	**5198886**	# SHAFT (1.47:1, 1.93:1 RATIO)		1		1	1			1						
	5199045	% SHAFT (2.42:1, 2.90:1 RATIO)						1	1		1	1				
4A	**5198531**	% KEY, WOODRUFF (3/8"X1/4"X1 1/8")	1	1	1	1	1	1	1	1	1	1				
4A	**5198831**	% KEY, WOODRUFF (3/8"X1/4"X1 3/8")	1	1	1	1	1	1	1	1	1	1				
		# NOT SERVICED; USE 5198746.														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
4A	**5198545**	% BEARING, ROLLER	2	2	2	2	2	2	2	2	2	2				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1028 - GEAR, FORWARD CLUTCH														
4A	**5199040**	% GEAR & SHAFT ASSY.						1	1	1	1	1				
4A	**5199416**	GEAR & SHAFT ASSY.	1		1	1										
4A	**5199280**	% GEAR & SHAFT ASSY.		1			1									
	5198523	% BEARING (CLUTCH GEAR THRUST)	4	4	4	4	4									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1029 - GEAR, REVERSE CLUTCH														
4A	**5199041**	% GEAR & SHAFT ASSY.						1	1	1	1	1				
4A	**5199417**	GEAR & SHAFT ASSY.	1		1	1										
4A	**5199281**	GEAR & SHAFT ASSY.		1			1									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1030 - PISTON, REVERSE CLUTCH														
4A	**5198743**	% PISTON	2	2	2	2	2	2	2	2	2	2				
4A	**5198780**	RING, CLUTCH PISTON	2	2	2	2	2	2	2	2	2	2				
4A	**5199047**	% RING, SNAP		2				2	2	2	2	2				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

9.1032 - *SHAFT, CLUTCH FORWARD & REVERSE*

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
4A	**5198776**	% RING, PISTON CLUTCH SHAFT (END)	6	6	6	6	6	6	6	6	6	6				
4A	**5198779**	% RING, PISTON CLUTCH SHAFT (CENTER)	2	2	2	2	2	2	2	2	2	2				
4A	**5198830**	% PLUG, 1/16" (SOCKET)	2	2	2	2	2	2	2	2	2	2				
4A	**5198532**	% PLUG, 1/16" (ORIFICE)	2	2	2	2	2	2	2	2	2	2				

% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1033 - BEARING, CLUTCH SHAFT														
4A	**5198544**	% BEARING, ROLLER TAPER	4	4	4	4	4	4	4	4	4	4				
4A	**5198524**	WASHER, THRUST	2	2	2	2	2	2	2	2	2	2				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1036 - GEAR ASSY., CLUTCH HUB														
4A	**5198774**	% GEAR (2.42:1 RATIO)	2					2			2					
4A	**5198810**	% GEAR (1.93:1 RATIO)		2		2				2		2				
4A	**5198879**	% GEAR (2.91:1 RATIO)			2				2							
4A	**5198806**	GEAR (1.47:1 RATIO)					2									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1041 - BEARING, THRUST CLUTCH HOUSING GEAR														
4A	**5198523**	% BEARING, NEEDLE	4	4	4	4	4	4	4	4	4	4				
4A	**5198823**	% RACE, THRUST	4	4	4	4	4	4	4	4	4	4				
4A	**5198522**	% RACE (NEEDLE BEARING)	2	2	2	2	2	2	2	2	2	2				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
4A	**5197354**	SPRING - CLUTCH PISTON	2	2	2	2	2	2	2	2	2	2				
		9.1060 - PLATE, REVERSE CLUTCH REACTION														
4A	**5198782**	% PLATE - BACK CLUTCH	2		2	2		2	2	2	2	2				
4A	**5198895**	% PLATE - BACK CLUTCH		2			2									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1062 - PLATE, CLUTCH														
4A	**5198896**	% PLATE, DRIVING		18			18									
4A	**5198783**	% PLATE, DRIVING	18		18	18										
4A	**5198784**	% PLATE, DRIVEN	16	16	16	16	16	16	16							
4A	**5149089**	% PLATE, DRIVING						18	18	18	18	18				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1065 - RING, CLUTCH REACTION PLATE SNAP														
	5199046	% SNAP RING	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1135 - VALVE ASSY., SELECTOR														
		A VALVE ASSY. INCLUDES ITEMS IN 9.1136 THRU 9.1197.														
4B	**5199048**	% VALVE ASSY.	1	1	1	1	1	1	1	1	1	1				
4B	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)	2	2	2	2	2	2	2							

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1135 - VALVE ASSY., SELECTOR (CONT'D)														
4B	179839	BOLT, 3/8"-16X1" (12.9001)	1	1	1	1	1	1	1							
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1136 - HOUSING, SELECTOR VALVE														
4B	5199049	% HOUSING						1	1							
4B	5198757	% HOUSING	1	1	1	1	1			1	1	1				
4B	5198533	% PLUG, 1"-12	1	1	1	1	1	1	1	1	1	1				
4B	5198521	% WASHER, SEAL	1	1	1	1	1	1	1	1	1	1				
	5149087	% PLUG, 1 5/16"-12						1	1	2	1	1				
	5198666	% SEAL RING						1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1137 - VALVE, SELECTOR														
4B	5198766	% VALVE	1	1	1	1	1	1	1	1	1	1				
	5198812	% SHIM	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
	457008	PIN, SPRING 5/16"X1 1/2"	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1138 - STEM, SELECTOR VALVE														
4B	5198767	% STEM (DIRECTION)	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1139 - SEAL, SELECTOR VALVE STEM														
4B	5198516	% SEAL RING	1	1	1	1	1	1	1	1	1	1				
4B	5198825	% BEARING, NEEDLE THRUST	1	1	1	1	1	1	1	1	1	1				
4B	5198824	% RACE, THRUST	2	2	2	2	2	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1147 - SPRING, SELECTOR VALVE REGULATOR														
4B	5198763	% SPRING (INNER)	1	1	1	1	1	1	1	1	1	1				
4B	5198764	% SPRING (OUTER)	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1148 - SPACER, SELECTOR VALVE SPRING														
4B	5198762	% SPACER	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1175 - LEVER, SELECTOR VALVE OPERATING														
4B	**5198759**	% LEVER	1	1	1	1	1	1	1	1	1	1				
4B	**5198761**	% PLATE, DETENT	1	1	1	1	1	1	1	1	1	1				
4B	**104920**	BALL, 3/8" DETENT (12.9670)	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1175 - LEVER, SELECTOR VALVE OPERATING (CONT'D)														
4B	**5198765**	% SPRING, DETENT	1	1	1	1	1	1	1	1	1	1				
4B	**5149083**	% SPRING, COMPRESSION		1			1									
4B	**5149084**	% BOLT, 1/4"-20X.88" HEX. SOC. HD.	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1178 - COVER, HYDRAULIC CONTROL VALVE														
4B	**5198760**	% COVER	1	1	1	1	1	1	1	1	1	1				
4B	**114861**	BALL, 9/32" (12.9670)	1	1	1	1	1	1	1	1	1	1				
4B	**189132**	BOLT, #10-24X5/8" (12.9027)	4		4	4		4	4	4	4	4				
4B	**5149085**	% BOLT, 3/16"-24X.88" HEX. SOC. HD.		4			4									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1179 - GASKET, HYDRAULIC CONTROL VALVE COVER														
4B	**5198758**	% GASKET	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1191 - GASKET, CONTROL VALVE PRESSURE REGULATOR														
4B	**5198515**	% RING, SEAL	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1194 - VALVE, PRESSURE REGULATOR RELIEF														
4B	**5198742**	% PISTON (VALVE)	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1195 - SPRING, PRESSURE REGULATOR RELIEF VALVE														
4B	**5198751**	% SPRING	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1197 - PLUG, CONTROL VALVE PRESSURE REGULATOR														
4B*	**5198517**	% PLUG	1	1	1	1	1	1	1	1	1	1				
4B	**455277**	PIN, 1/8"X1 1/8" SPRING (12.9275)	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	9.1287 - GEAR, REDUCTION GEAR INPUT														
4A **5198770**	% GEAR % NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1310 - GEAR, REDUCTION														
4B	**5198773**	% GEAR, OUTPUT (2.42:1)	1													
4B	**5198809**	% GEAR, OUTPUT (1.93:1)		1		1				1						
4B	**5198881**	GEAR, OUTPUT (2.91:1)			1				1		1	1				
4B	**5198805**	GEAR, OUTPUT (1.47:1)					1	1								
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
4B	**5198747**	% SHAFT, OUTPUT (2.42:1, 2.91:1)	1		1			1	1		1	1				
4B	**5198790**	% SHAFT, OUTPUT (1.47:1, 1.93:1)		1		1	1			1						
4B	**5198949**	% KEY, 1/2"X3/8"X1 1/4"		1		1	1			1						
4B	**5198832**	KEY, 1/2"X3/8"X2"	1		1		1	1	1		1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1345 - BEARING, REDUCTION GEAR DRIVE SHAFT PILOT														
4B	**5198546**	% BEARING, ROLLER TAPER	1		1			1	1	1	1	1				
4B	**5199011**	% BEARING, ROLLER TAPER		1		1	1									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1350 - BEARING, REDUCTION GEAR DRIVE SHAFT THRUST														
4B	**457441**	BEARING, ROLLER TAPER	1		1			1	1	1	1	1				
4B	**5199012**	% BEARING, ROLLER TAPER		1		1	1									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1365 - COVER, REDUCTION GEAR BEARING														
4B	**5198745**	RETAINER	1		1			1	1	1	1	1				
4B	**5198897**	% RETAINER		1		1	1			1	1	1				
4B	**180175**	BOLT, 1/2"-13X1 1/4" (12.9001)	3	3	3	3	3	3	3	3	3	3				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
4B	**5198814**	SHIM (.005")	AR		AR			AR	AR	AR	AR	AR				
4B	**5198815**	SHIM (.007")	AR		AR			AR	AR	AR	AR	AR				
4B	**5198802**	% SHIM (.005")		AR		AR	AR									
4B	**5198803**	% SHIM (.007")		AR		AR	AR									
4B	**5198816**	SHIM (.020")	AR		AR			AR	AR	AR	AR	AR				
4B	**5198804**	% SHIM (.020")		AR		AR	AR									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
4B	**5198750**	% SEAL	1		1			1	1	1	1	1				
4B	**5198792**	SEAL (9.1018)		1		1	1									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC. 1328 RACINE ST. RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1395 - DIPSTICK, REDUCTION GEAR														
4B	**5198777**	% DIPSTICK	1	1	1	1	1									
4B	**5199043**	% DIPSTICK						1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1400 - GUIDE, REDUCTION GEAR DIPSTICK														
	5149088	% PLUG, 3/4"-16						1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1405 - GASKET, REDUCTION GEAR DIPSTICK														
	5198665	% GASKET						2	2	2	2	2				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER														
4B	**5191238**	TUBE ASSY. (INCLUDES BAFFLE, NOT SOLD SEPARATELY)	1	1	1	1	1									
4B	**5199051**	TUBE ASSY. (INCLUDES BAFFLE, NOT SOLD SEPARATELY)						1	1	1	1	1				
		9.1415 - CAP, REDUCTION GEAR OIL FILLER														
4B	**1528732**	CAP	1	1	1	1	1			1	1	1				
		9.1430 - FLANGE, PROPELLER DRIVE														
4B	**5198740**	% FLANGE, OUTPUT	1		1			1	1		1	1				
4B	**5198811**	% FLANGE, OUTPUT		1		1	1			1						
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
4B	**5198813**	% RING, SEAL	1		1			1	1		1	1				
4B	**5198775**	% RING, SEAL		1		1	1			1						
4B	**5198664**	% LOCK PLATE	1		1			1	1		1	1				
4B	**181427**	BOLT, 1/2"-20X1" (12.9001)	3		3			3	3		3	3				
4B	**223809**	BOLT, 1/2"-20X1" (12.9001)		1		1	1			1						
4B	**5198520**	% WASHER, RETAINER	1		1			1	1		1	1				
4B	**5199548**	+ WASHER, RETAINER		1		1	1			1						
		+ OBSOLETE.														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
9.1440 - COUPLING, PROPELLER DRIVE SHAFT															
5198789	% FLANGE ASSY. (1 1/4" BORE)	1	1	1		1	1	1	1	1	1				
5198808	FLANGE ASSY. (1 3/8" BORE)				1										
424269	KEY, 1/2"X1/2"X3 3/4"						1	1							

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1440 - COUPLING, PROPELLER DRIVE SHAFT (CONT'D)														
	271587	BOLT, 5/8"-18X2" (12.9001)						6	6							
	271592	BOLT, 5/8"-18X3 1/4" (12.9001)						2	2							
	NPN	LOCKWASHER, 5/8"						2	2							
	114498	NUT, 5/8"-18 JAM (12.9120)						2	2							
	NPN	NUT, 5/8"						6	6							
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
4B	**5198744**	% PUMP ASSY.	1	1	1	1	1	1	1	1	1	1				
4B	**179816**	BOLT, 5/16"-18X3/4" (12.9001)	4	4	4	4	4	4	4	4	4	4				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1477 - ADAPTOR, MARINE GEAR OIL PUMP														
4B	**5198739**	% ADAPTOR	1	1	1	1	1	1	1	1	1	1				
4B	**179839**	BOLT, 3/8"-16X1" (12.9001)	3	3	3	3	3	3	3	3	3	3				
4B	**179848**	BOLT, 3/8"-16X2 1/4" (12.9001)	1	1	1	1	1	1	1	1	1	1				
	106261	WASHER, 5/16" (12.9190)	4	4	4	4	4									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1478 - GASKET, MARINE GEAR OIL PUMP ADAPTOR														
4B	**5198793**	% SHIM (.005")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
4B	**5198794**	% SHIM (.007")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
4B	**5198795**	% SHIM (.020")	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
4B	**5198741**	% GASKET, PUMP	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1593 - TUBE, HYDRAULIC PUMP TO CONTROL VALVE														
4B	**5199556**	% TUBE	1	1	1	1	1	1	1	1	1	1				
4B	**5199074**	% CONNECTOR	2	2	2	2	2	2	2	2	2	2				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1598 - TUBE, CONTROL VALVE TO HYDRAULIC PUMP HOUSING														
4B	**5198754**	% TUBE	1	1	1	1	1	1	1	1	1	1				
4B	**5199072**	% ELBOW, 90 DEG.	1	1	1	1	1	1	1	1	1	1				
4B	**5199553**	% ELBOW	1	1	1	1	1	1	1	1	1	1				

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1598 - TUBE, CONTROL VALVE TO HYDRAULIC PUMP HOUSING (CONT'D)														
4B	**5199073**	CONNECTOR	1	1	1	1	1	1	1	1	1	1				
4B	**5199554**	% NIPPLE	1	1	1	1	1	1	1	1	1	1				
		* NOT SERVICED; USE 5199555 TUBE PLUS (1) 5199553 ELBOW AND (1) 5199554 NIPPLE.														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1650 - STRAINER, MARINE GEAR OIL														
4B	**5198752**	% STRAINER	1	1	1	1	1	1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1720 - TUBE, MARINE GEAR OIL STRAINER TO PUMP														
3A	**5198787**	% HOSE	1	1	1	1	1									
	5199042	HOSE						1	1	1	1	1				
3A	**119094**	ELBOW, 1/2", 45 DEG. PIPE (12.9600)						1	1	1	1	1				
3A	**119098**	ELBOW, 1/2", 90 DEG. PIPE (12.9600)	2	2	2	2	2									
	5198769	% NIPPLE, 1/2"X1 1/2" PIPE	2	2	2	2	2									
	9409539	UNION, 1/2" PIPE	1	1	1	1	1									
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1840 - BREATHER, MARINE GEAR														
	5199044	% BREATHER						1	1	1	1	1				
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1001 - GEAR ASSEMBLY, HYDRAULIC MARINE														
3A	**5144970**	# GEAR ASSY. (1.47:1)	1													
3A	**5134384**	GEAR ASSY. (1.47:1)		1												
3A	**5134385**	GEAR ASSY. (1.93:1)			1											
1A	**5106313**	GEAR ASSY. (2.9:1)				1										
1A	**5106312**	GEAR ASSY. (2.3:1 RED) (RH)					1									
1A	**5106316**	GEAR ASSY. (1.5:1 RED) (R.H.)						1								
1A	**5106317**	GEAR ASSY. (1.5:1 RED) (L.H.)							1							
1A	**5106318**	GEAR ASSY. (2:1 RED) (R.H.)								1						
1A	**5106319**	GEAR ASSY. (2:1 RED) (L.H.)									1					
1A	**5106320**	GEAR ASSY. (2.1:1 RED) (R.H.)										1				
1A	**5106321**	GEAR ASSY. (2.1:1 RED) (R.H.)											1			
1A	**5106322**	GEAR ASSY. (2.6:1 RED) (R.H.)												1		
1A	**5106323**	GEAR ASSY. (2.6:1)													1	
1A	**5106324**	GEAR ASSY. (2.9:1)														1
	179839	BOLT, 3/8"-16X1" (12.9001)	12	12	12											
		# NOT SERVICED; SHOWN FOR REFERENCE ONLY.														
		9.1006 - COUPLING, MARINE GEAR DRIVE														
4A	**5198785**	% RING, DRIVE	1													
	5198889	* RING, DRIVE (FIBER)		1	1											
	5149086	WASHER, 3/8" PLAIN		8	8											
		* NOT SERVICED; REPLACE WITH KIT 5198700 IN 9.1016.														
		% NOT SERVICED, PROCURE THRU TWIN *DISC INC., 1328 RACINE ST., RACINE,* WISC. 53403 OR NEAREST OUTLET.														
		9.1007 - ADAPTOR, MARINE GEAR HOUSING														
2A	**5198322**	ADAPTOR ASSY. (INCLUDES BEARING)				1	1	1	1	1	1	1	1	1	1	1
2A	**455724**	BEARING (NEEDLE)				1	1	1	1	1	1	1	1	1	1	1
2A	**5197537**	BOLT, 3/8"-16X1 1/4"				4	4	4	4	4	4	4	4	4	4	4
		9.1008 - GASKET, MARINE GEAR HOUSING														
4A	**5198898**	% GASKET	1	1	1											
2A	**5196181**	GASKET				1	1	1	1	1	1	1	1	1	1	1
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1009 - SPIDER, MARINE GEAR DRIVE														
4A	**5198786**	% SPIDER	1													
	5198891	* SPIDER		1	1											
4A	**5198768**	BLOCK (RUBBER)	20													
		* NOT SERVICED; REPLACE WITH KIT 5198700 IN 9.1016.														
		9.1010 - HOUSING ASSY., REVERSE GEAR														
		A HOUSING ASSY. INCLUDES A HOUSING AND COVER WHICH ARE NOT SERVICED SEPARATELY, GASKET IN 9.1008 & ITEMS INDICATED (=) IN 9.1010.														
4B	**5149072**	% HOUSING ASSY. (1.47:1, 1.93:1)	1													

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1010 - HOUSING ASSY., REVERSE GEAR (CONT'D)														
4B	**5149090**	HOUSING ASSY. (1.47:1, 1.93:1)		1	1											
2A	**5149807**	HOUSING ASSY.				1	1									
2A	**5149754**	HOUSING ASSY.						1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1010 - HOUSING ASSY., REVERSE GEAR (CONT'D)														
	5198781	= PLATE, NAME	1	1	1											
	5149696	PLATE, NAME				1										
	5149695	PLATE, NAME					1									
	5149756	PLATE, NAME						1								
	5149829	PLATE, NAME							1							
	5149828	PLATE, NAME								1						
	5149837	PLATE, NAME									1					
	5149838	PLATE, NAME										1				
	5149839	PLATE, NAME											1			
	5149840	PLATE, NAME												1		
	5149841	PLATE, NAME													1	
	5149842	PLATE, NAME														1
	5198894	% = PLATE, ROTATION INDICATOR	1	1	1											
	103870	PLUG, 1" PIPE (DRAIN) (12.9550)		1	1											
	5149071	% PLUG, DRAIN	1													
2A	**5196511**	BUSHING				2										
	141264	= PIN, DOWEL (1"X7/16" DIA.)	2	2	2											
	192413	= SCREW, #4X1/4" DRIVE (12.9067)	6	6	6											
	190073	SCREW, #2X3/16" DRIVE (12.9061)				2	2	2	2	2	2	2	2	2	2	2
	180175	BOLT, 5/8"-18X1 1/4"	9	9	9											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1014 - RETAINER, SPIDER DRIVE														
4A	**5149082**	% WASHER, RETAINER	1													
	5198519	% WASHER, RETAINER		1	1											
4A	**5198518**	% LOCKPLATE		1	1											
4A	**5198831**	% PIN	1													
4A	**5149081**	% PIN		1	1											
4A	**271581**	BOLT, 5/8"-18X1 1/4" (12.9001)	1													
4A	**223809**	BOLT, 5/8"-18X1 1/2" (12.9001)		1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1016 - CONVERSION KIT, MARINE GEAR														
		NOTE: INCLUDES 5198785 DRIVE RING IN 9.1006, 5198786 SPIDER AND 5198768 BLOCKS IN 9.1009, NAME PLATE AND DR IVE SCREWS IN 9.1010 PLUS 5198518 LOCKPLATE IN 9.1014.														
	5198700	+ CONVERSION KIT		1	1											
		+ NOT SERVICED PROCURE THRU TWIN DISC. INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1018 - SEAL, MARINE GEAR INPUT SHAFT														
4A	**5198749**	@ SEAL	1	1	1											
		@ NOT SERVICED PROCURE THRU TWIN DISC. INC., 1328 RACINE ST., RACINE, WISC 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1024 - SUPPORT, INPUT SHAFT BEARING														
4A	5198753	% SUPPORT	1	1	1											
4A	5198796	% SHIM (.005" THICK)	AR	AR	AR											
4A	5198797	% SHIM (.007" THICK)	AR	AR	AR											
4A	5198798	% SHIM (.020" THICK)	AR	AR	AR											
4A	179839	BOLT, 3/8"-16X1" (12.9001)	6	6	6											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1026 - SHAFT, MARINE GEAR INPUT														
4A	5198746	% SHAFT (1.47:1, 1.93:1)	1	1	1											
2A	5198244	SHAFT ASSY. (INCLUDES FLANGED KEY IN 9.1475)				1	1	1	1	1	1	1	1	1	1	1
4A	5198531	% KEY, WOODRUFF (3/8"X1/4"X1 1/8")	1	1	1											
4A	5198831	% KEY, WOODRUFF (3/8"X1/4"X1 3/8")	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1027 - BEARING, MARINE GEAR INPUT SHAFT														
4A	5198545	+ BEARING, ROLLER	2	2	2											
2A	5149670	BEARING				1	1									
2A	9416195	BEARING						1	1	1	1	1	1	1	1	1
2A	3709351	RING, SNAP (1 1/4" DIA.)				1	1	1	1	1	1			1	1	1
2A	5196193	RING, SNAP (2 1/4" DIA.)				1	1									
2A	5196267	RING, SNAP										1	1			
2A	5196545	RING, SNAP (2 29/64" DIA.)						1	1	1	1	1	1	1	1	1
2A	5196543	RING, SNAP (1 29/64" DIA.)						1	1	1	1	1	1	1	1	1
		+ NOT SERVICED PROCURE THRU TWIN DISC. INC., 1328 RACINE ST. RACINE, WISC 53403 OR NEAREST OUTLET.														
		9.1028 - GEAR, FORWARD CLUTCH														
4A	5199280	% # GEAR & SHAFT ASSY.	1	1	1											
		# INCLUDES A BUSHING; NOT SERVICED SEPARATELY.														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1029 - GEAR, REVERSE CLUTCH														
4A	5199281	# GEAR & SHAFT ASSY.	1	1	1											
		# INCLUDES A BUSHING; NOT SERVICED SEPARATELY.														
		9.1030 - PISTON, REVERSE CLUTCH														
4A	5198743	% PISTON	2	2	2											
2A	5196183	PISTON				1	1	1	1	1	1	1	1	1	1	1
4A	5198780	RING, CLUTCH PISTON	2	2	2											
4A	5199047	% RING, SNAP	2	2	2											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1030 - PISTON, REVERSE CLUTCH (CONT'D)														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1032 - SHAFT, CLUTCH FORWARD AND REVERSE														
4A	**5198776**	% RING, PISTON CLUTCH SHAFT (END)	6	6	6											
4A	**5198779**	% RING, PISTON CLUTCH SHAFT (CENTER)	2	2	2											
	5149834	RING, RETAINING								1	1					
4A	**5198532**	PLUG, 1/16" (ORIFICE)	2	2	2											
4A	**5198830**	% PLUG, 1/16" (SOCKET)	2	2	2											
	5149835	PLUG, ORIFICE								6	6					
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1033 - BEARING, CLUTCH SHAFT														
4A	**5198544**	% BEARING, ROLLER TAPER	4	4	4											
4A	**5198524**	% WASHER, THRUST	2	2	2											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1035 - SEAL, REVERSE CLUTCH PISTON														
[illegible]	**5196180**	SEAL, RING (7 1/2" DIA.)				1	1	1	1	1	1	1	1	1	1	1
2A	**5196188**	SEAL, RING (3 1/2" DIA.)				1	1	1	1	1	1	1	1	1	1	1
		9.1036 - GEAR ASSY., CLUTCH HUB														
4A	**5198806**	# GEAR ASSY. (1.47:1 RATIO)	2	2												
4A	**5198810**	% GEAR ASSY. (1.93:1 RATIO)			2											
		# INCLUDES A BUSHING; NOT SERVICED SEPARATELY.														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1041 - BEARING, THRUST CLUTCH HOUSING GEAR														
4A	**5198523**	% BEARING, NEEDLE	4	4	4											
4A	**5198823**	% RACE, THRUST	4	4	4											
4A	**5198522**	% RACE (NEEDLE BEARING)	2	2	2											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1045 - PLATE, REVERSE CLUTCH DISC.														
2A	**5149757**	PLATE (SPLINED)				2	2	3	3	3	3	3	3	3	3	3
2A	**5196303**	PLATE				1	1	2	2	2	2	2	2	2	2	2

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1055 - SPRING, REVERSE CLUTCH RELEASE														
4A	**5197354**	% SPRING, CLUTCH PISTON	2	2	2											
2A	**5196186**	SPRING				12	12	12	12	12	12	12	12	12	12	12
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1060 - PLATE, REVERSE CLUTCH														
4A	**5198895**	% PLATE, BACK	2	2	2											
2A	**5196184**	PLATE				1	1	1	1	1	1	1	1	1	1	1
2A	**3712718**	PIN (6.23" L.)				3	3									
2A	**5196733**	PIN, 5/16"X27/32"						3	3	3	3	3	3	3	3	3
2A	**5121182**	PLUG, 1/4" PIPE (2.4015)				1	1	1	1	1	1	1	1	1	1	1
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1062 - PLATE, CLUTCH														
4A	**5149089**	PLATE, DRIVING	18													
4A	**5198896**	% PLATE, DRIVING		18	18											
4A	**5198784**	% PLATE, DRIVEN	16	16	16											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1065 - RING, CLUTCH REACTION PLATE SNAP														
	5199046	% SNAP RING	2	2	2											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1080 - GEAR ASSY., MARINE GEAR PLANETARY														
		INCLUDES BUSHING IN 9.1087.														
2A	**5197209**	GEAR ASSY.								1	1					
	5196246	GEAR ASSY. (2.5:1 & 3:1 RED)				1										
2A	**5196272**	SCREEN								1	1					
2A	**5197230**	BOLT, 5/16"-18								6	6					
2A	**103320**	LOCKWASHER, 5/16" (12.9200)								6	6					
		9.1081 - CAGE, PLANETARY GEAR														
	5149702	CAGE PINION & SHAFT DRIVEN ASSY.				1										
	5149811	CAGE PINION & SHAFT ASSY.					1	1								
2A	**5149760**	CAGE PINION & SHAFT ASSY.							1							
2A	**5149815**	CAGE PINION & SHAFT ASSY.								1	1			1	1	1
2A	**5149814**	CAGE PINION & SHAFT ASSY.										1	1			
		9.1085 - WASHER, MARINE GEAR PLANETARY GEAR THRUST														
2A	**5196211**	WASHER (1 3/4" O.D.)				1	1	1	1	1	1	1	1	1	1	1
2A	**5149762**	WASHER						1	1							
		9.1087 - BEARING, MARINE GEAR PLANETRAY GEAR														
2B,D	**5197342**	BEARING (2.5:1 & 3:1 RED) (9.1350)				1				1	1			1	1	1
2B,D	**5199063**	BEARING						1	1							
2B,D	**5196259**	RING, SNAP (1 27/64" DIA.)				1				1	1			1	1	1
2B,D	**5196254**	RING, SNAP						1	1							
	5199829	BUSHING				2	2	2	2	2	2	3	3	2	2	2
		9.1091 - GEAR, MARINE GEAR PLANETARY RING														
2A	**5196208**	GEAR				1	1									
2A	**5196549**	GEAR						1	1	1	1	1	1	1	1	1
2A	**5196199**	RING, SNAP (5 7/8" O.D.)				1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1093 - SHAFT, MARINE GEAR OUTPUT														
		INCLUDES BUSHING IN 9.1087.														
	5149820	SHAFT AND BUSHING ASSY.				1	1									
	5149761	SHAFT OUTPUT AND BUSHING ASSY.						1	1							
	5149818	SHAFT OUTPUT AND BUSHING ASSY.								1	1			1	1	1
	5149822	SHAFT OUTPUT AND BUSHING ASSY.										1	1			
		9.1097 - BEARING, OUTPUT SHAFT														
2B,C,D	**5149677**	CUP, BEARING				1	1	1	1	1	1	1	1	1	1	1
2B,C,D	**5149679**	CUP, BEARING				1	1	1	1	1	1	1	1	1	1	1
2B,C,D	**5149680**	CONE, BEARING				1	1	1	1	1	1	1	1	1	1	1
2B,C,D	**5149678**	CONE, BEARING				1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1135 - VALVE ASSY., SELECTOR														
		A VALVE ASSY. INCLUDES ITEMS IN 9.1136 THRU 9.1197.														
4B	**5199048**	% VALVE ASSY.	1													
4B	**5198756**	% VALVE ASSY.		1	1											
2A	**5149763**	VALVE ASSY.				1	1	1	1	1	1	1	1	1	1	1
	5198799	% SHIM (.005")		AR	AR											
	5198800	% SHIM (.007")		AR	AR											
	5198801	% SHIM (.020")		AR	AR											
	179839	BOLT, 3/8"-16X1" (12.9001)		1	1											
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		2	2											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1136 - HOUSING, SELECTOR VALVE														
4B	**5198757**	% HOUSING	1	1	1											
4B	**5198533**	% PLUG, HOUSING	1	1	1											
	5149087	% PLUG, 1 5/16"-12	2													
4B	**5198521**	% WASHER (SEAL)	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1137 - VALVE, SELECTOR														
	5198766	% VALVE	1	1	1											
	5198812	% SHIM	AR	AR	AR											
2A	**5196218**	VALVE				1	1	1	1	1	1	1	1	1	1	1
2A	**5149673**	VALVE				1	1	1	1	1	1	1	1	1	1	1
	457008	PIN, 5/16"X1 1/2" SPRING	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1138 - STEM, SELECTOR VALVE														
4B	**5198767**	% STEM (DIRECTION)	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1139 - SEAL, SELECTOR VALVE STEM														
4B	**5198516**	% SEAL RING	1	1	1											
4B	**5198825**	% BEARING, NEEDLE (THRUST)	1	1	1											
4B	**5198824**	% RACE, THRUST BEARING	2	2	2											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1147 - SPRING, SELECTOR VALVE REGULATOR														
4B	**5198763**	% SPRING (INNER)	1	1	1											
4B	**5198764**	% SPRING (OUTER)	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1148 - SPACER, SELECTOR VALVE SPRING														
4B	**5198762**	% SPACER	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC., 53403 OR NEAREST OUTLET.														
		9.1155 - SPRING, SELECTOR VALVE														
2A	**5149764**	SPRING				1	1	1	1	1	1	1	1	1	1	1
2A	**5196220**	RETAINER, SPRING				1	1	1	1	1	1	1	1	1	1	1
2A	**5196212**	RING, SNAP				1	1	1	1	1	1	1	1	1	1	1
		9.1160 - SEAL, SELECTOR VALVE OIL														
2A	**5196222**	SEAL, RING				1	1	1	1	1	1	1	1	1	1	1
		9.1157 - CAM, NEUTRAL														
2A	**5149936**	CAM				1	1	1	1	1	1	1	1	1	1	
2A	**179796**	BOLT, 1/4"-20X7/8" (12.9001)				3	3	3	3	3	3	3	3	3	3	
2A	**103319**	LOCKWASHER, 1/4" (12.9200)				3	3	3	3	3	3	3	3	3	3	3
		9.1175 - LEVER, SELECTOR VALVE OPERATING														
4B	**5198759**	% LEVER	1	1	1											
2A	**5197136**	LEVER				1	1	1	1	1	1	1	1	1	1	1
4B	**5198761**	% PLATE, DETENT	1	1	1											
2A	**5149768**	SWITCH AND COVER ASSY.					1		1	1	1	1	1	1	1	1
4B	**5198765**	% SPRING, DETENT	1													
2A	**5196221**	SPRING, DETENT				1	1	1	1	1	1	1	1	1	1	1
4B	**5149083**	% SPRING, COMPRESSION		1	1											
2A	**104919**	BALL, 5/16" DIA (12.9670)				1	1	1	1	1	1	1	1	1	1	1
2A	**103340**	WASHER, 5/16" (12.9190)				1	1	1	1	1	1	1	1	1	1	1
4B	**104920**	BALL, 3/8" DIA. (DETENT) (12.9670)	1	1	1											
4B	**5149084**	% BOLT, 1/4"-20X.88"	1	1	1											
2A	**108579**	LOCKWASHER, 5/16" (12.9200)				1	1	1	1	1	1	1	1	1	1	1
2A	**114493**	NUT, 5/16"-24 (12.9120)				1	1	1	1	1	1	1	1	1	1	1
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1178 - COVER, HYDRAULIC CONTROL VALVE														
4B	**5198760**	% COVER	1	1	1											
2A	**5149765**	COVER				1			1	1	1	1	1	1	1	1
4B	**114861**	BALL, 9/32" DIA. (12.9670)	1	1	1											
4B	**189132**	BOLT, #10-24X5/8" (12.9027)	4													
4B	**5149085**	% BOLT, 3/16"-24X.88" SOC. HD.		4	4											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1179 - GASKET, HYDRAULIC CONTROL VALVE COVER														
4B	**5198758**	% GASKET	1	1	1											
2A	**5196225**	GASKET				1	1	1	1	1	1	1	1	1	1	1
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1191 - GASKET, CONTROL VALVE PRESSURE REGULATOR														
4B	**5198515**	% SEAL RING	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1194 - VALVE, PRESSURE REGULATOR RELIEF														
4B	**5198742**	% PISTON (VALVE)	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1195 - SPRING, PRESSURE REGULATOR RELIEF VALVE														
4B	**5198751**	% SPRING	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1197 - PLUG, CONTROL VALVE PRESSURE REGULATOR														
4B	**5198517**	% PLUG	1	1	1											
	455277	PIN, 1/8"X1 1/8" SPRING (12.9275)		1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1223 - CYLINDER, FORWARD CLUTCH PISTON														
2A	**5196194**	CYLINDER				1	1									
2A	**5196546**	CYLINDER						1	1	1	1	1	1	1	1	1
2A	**5196198**	SEAL, RING				2	2	2	2	2	2	2	2	2	2	2
2A	**5149755**	SEAL, RING					4	4	4	4	4	4	4	4	4	4
		9.1224 - WASHER, FORWARD CLUTCH CYLINDER THRUST														
2A	**5196881**	WASHER (.063" THICK)				1	1	1	1	1	1	1	1	1	1	1
2A	**5196279**	WASHER										2	2			
		9.1225 - PISTON FORWARD CLUTCH														
2A	**5196196**	PISTON				1	1	1	1	1	1	1	1	1	1	1

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FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1230 - SEAL, FORWARD CLUTCH PISTON														
2A	5196195	SEAL, RING (2.016" I.D.)				1	1	1	1	1	1	1	1	1	1	1
2A	5196197	SEAL, RING (4.120" I.D.)				1	1	1	1	1	1	1	1	1	1	1
		9.1235 - PLATE, FORWARD CLUTCH														
2A	5196202	PLATE (INNER)				1	1	1	1	1	1	1	1	1	1	1
2A	5196205	PLATE (OUTER)				1	1	1	1	1	1	1	1	1	1	1
2A	5196203	PLATE (STEEL)				4	4	6	6	6	6	6	6	6	6	6
2A	5149809	PLATE (INNER)				5	5	7	7	7	7	7	7	7	7	7
2A	5149758	PLATE ASSY.						1	1	1	1	1	1	1	1	1
	5196770	SHIM (SNAP RING) (.050")						1	1	1	1	1	1	1	1	1
	5196771	SHIM (SNAP RING) (.075")						1	1	1	1	1	1	1	1	1
	5196772	SHIM (SNAP RING) (.100")						1	1	1	1	1	1	1	1	1
	5149759	SNAP RING (12.9645)						1	1	1	1	1	1	1	1	1
		9.1240 - SPRING, FORWARD CLUTCH RELEASE														
2A	5196201	SPRING				1	1	1	1	1	1	1	1	1	1	1
2A	5196200	RING, SNAP (3/8" DIA.)				1	1	1	1	1	1	1	1	1	1	1
2A	5196209	RING, SNAP (5 1/2" DIA.)				1	1	1	1	1	1	1	1	1	1	1
		9.1242 - HUB, FORWARD CLUTCH														
2A	5196206	HUB				1	1									
2A	5196547	HUB						1	1	1	1	1	1	1	1	1
2A	5196207	RING, SNAP (1 21/32" DIA.)				1	1	1	1	1	1	1	1	1	1	1
2A	218211	KEY, 1/4"X3/4" WOODRUFF (12.9350)				1	1									
		9.1282 - PLATE, REDUCTION GEAR ADAPTOR														
2B,D	5197338	ADAPTOR				1	1							1	1	1
2B,D	5198554	ADAPTOR								1	1					
2C	5197335	ADAPTOR										1	1			
	5199039	PLATE (1.5:1 RED)						1	1							
2B,C,D	5199061	BOLT, 7/16"-14X1 1/4"				6	6							6	6	6
2B,C,D	5199060	BOLT, 7/16"X14X1"						6	6	6	6	6	6			
2B,C,D	114607	LOCKWASHER, 7/16" (12.9200)				6	6	6	6	6	6	6	6	6	6	6
		9.1283 - GASKET, REDUCTION GEAR ADAPTOR														
2B,C,D	5196260	GASKET				1		1	1	1	1	1	1	1	1	1
		9.1285 - HOUSING, REDUCTION GEAR														
2B,C,D	5149684	HOUSING				1	1	1	1					1	1	1
2B,D	5149836	HOUSING								1	1					
2C	5149685	HOUSING										1	1			
2B,C,D	180123	BOLT, 3/8"-16X1 1/8" (12.9001)				6	6	6	6	6	6	6	6	6	6	6
2B,C,D	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				2	2	2	2	2	2	2	2	2	2	2
2B,C,D	103321	LOCKWASHER, 3/8" (12.9200)				6	6	6	6	6	6	6	6	6	6	6
2B,C,D	103322	LOCKWASHER, 7/16" (12.9200)				2	2	2	2	2	2	2	2	2	2	2
		9.1286 - GASKET, REDUCTION GEAR HOUSING														
2B,C,D	5196285	GASKET, RED. U ADAPTOR (REAR)				1	1	1	1	1	1	1	1	1	1	1

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9.1000A HYDRAULIC MARINE GEAR

RPG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1287 - GEAR, REDUCTION GEAR INPUT														
4A	**5198770**	% GEAR	1													
2B	**5198883**	GEAR		1	1											
2B	**5196251**	GEAR						1	1							
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1288 - PLATE REDUCTION GEAR PLANETARY RING GEAR														
2D	**5196255**	PLATE				1	1									1
2D	**5196256**	PLATE												1	1	
		9.1290 - GEAR, REDUCTION GEAR														
2D	**5196266**	GEAR				1	1			1	1					1
2D	**5149686**	GEAR						1	1							
2D	**5149687**	GEAR										1	1			
2D	**5196265**	GEAR												1	1	
		9.1292 - GEAR ASSY. REDUCTION GEAR PLANETARY														
2D	**5196290**	* GEAR AND PLATE ASSY.				1	1									1
2D	**5196268**	GEAR ASSY.						1	1							
2D	**5149701**	GEAR ASSY.										1				
2D	**5149703**	GEAR ASSY.											1			
	5149825	GEAR ASSY.												1	1	
	5149702	GEAR ASSY.														1
		* NOT SERVICED. FOR SERVICE USE COMPONENTS														
		9.1298 - GEAR, REDUCTION GEAR PLANETARY RING														
2B,C,D	**5196252**	GEAR, RING				1	1	1	1	1	1	1	1			1
2D	**5196257**	GEAR, RING												1	1	
2B,C,D	**5196253**	RING, SNAP				1	1	1	1	1	1	1	1			1
2D	**5196258**	RING, SNAP												1	1	
2B	**5149681**	RING, SNAP (12.9645)						1	1							
2B	**179857**	BOLT, 7/16"-14X7/8" (12.9001)						4	4							
2B	**114607**	LOCKWASHER, 7/16" (12.9210)						4	4							
		9.1299 - HUB, REDUCTION GEAR														
2B	**5149690**	HUB						1	1							
		9.1310 - GEAR, REDUCTION														
4B	**5198805**	GEAR, OUTPUT (1.47:1)	1	1												
4B	**5198809**	% GEAR, OUTPUT (1.93:1)			1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1340 - SHAFT, REDUCTION GEAR DRIVE														
4B	**5198790**	% SHAFT, OUTPUT (1.47:1, 1.93:1)	1	1	1											
2B	**5149688**	SHAFT						1	1							
2B	**5149689**	SHAFT								1	1	1	1			
2B	**5149704**	SHAFT ASSY.										1				
4B	**5198949**	% KEY, 1/2"X3/8"X1 1/4" WOODRUFF	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1345 - BEARING, REDUCTION GEAR DRIVE SHAFT PILOT														
4B	**5199011**	% BEARING, ROLLER TAPER	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1350 - BEARING, REDUCTION GEAR DRIVE SHAFT THRUST														
4B	**5199012**	% BEARING, ROLLER TAPER	1	1	1											
2B,C,D	**5197342**	BEARING				1	1			1	1					
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1351 - SPACER, REDUCTION GEAR DRIVE SHAFT BEARING														
	5149766	SPACER				1	1	1	1	1	1	1	1	1	1	1
		9.1365 - COVER, REDUCTION GEAR BEARING														
4B	**5198897**	% RETAINER	1	1	1											
4B	**180175**	BOLT, 1/2"-13X1 1/4" (12.9001)	3	3	3											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

G	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1370 - GASKET, REDUCTION GEAR BEARING COVER														
4B	**5198802**	% SHIM (.005")	AR	AR	AR											
4B	**5198803**	% SHIM (.007")	AR	AR	AR											
4B	**5198804**	% SHIM (.020")	AR	AR	AR											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1375 - SEAL, REDUCTION GEAR BEARING COVER OIL														
4B	**5198792**	SEAL (9.1018)	1	1	1											
2B,C,D	**5149676**	SEAL				1	1	1	1	1	1	1	1	1	1	1
		9.1380 - BAFFLE, MARINE GEAR HOUSING OIL														
2D	**5196175**	BAFFLE				1	1	1	1	1	1	1	1	1	1	1
		9.1386 - BAFFLE, REDUCTION HOUSING OIL														
	5149674	BAFFLE				1	1	1	1	1	1	1	1	1	1	1
	5149682	BAFFLE				1	1							1	1	1
	179857	BOLT, 7/16"-14X7/8" (12.9001)				2	2							2	2	2
		9.1395 - DIPSTICK, REDUCTION GEAR														
	5198777	% DIPSTICK	1	1	1											
2A	**5149100**	DIPSTICK				1	1	1	1	1	1	1	1	1	1	1
	5145009	PLUG, 1/8" PIPE (12.9550)				1	1	1	1	1	1	1	1	1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)				1	1	1	1	1	1	1	1	1	1	1
	5142549	PLUG, 3/4" PIPE (12.9550)										1	1			
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1400 - GUIDE, REDUCTION GEAR DIPSTICK														
4B	**5191267**	GUIDE		1	1											
	5149088	% PLUG, 3/4"-16		1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1410 - TUBE, REDUCTION GEAR OIL FILLER														
4B	**5191238**	TUBE ASSY. (INCLUDES BAFFLE NOT SOLD SEPARATELY)	1	1	1											
	5149061	ADAPTOR (FOR SQUEEZE TYPE DIPSTICK)				1	1	1	1	1	1	1	1	1	1	1
		9.1415 - CAP, REDUCTION GEAR OIL FILLER														
4B	**1528732**	CAP	1	1	1											

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1430 - FLANGE, PROPELLER DRIVE														
4B	**5198811**	% FLANGE, OUTPUT % NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.	1	1	1											

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1435 - NUT, PROPELLER DRIVE FLANGE														
4B	**5198775**	% RING, SEAL	1	1	1											
4B	**5199548**	WASHER, RETAINER	1													
2B,C,D	**5149767**	NUT, FLANGED				1	1	1	1	1	1	1	1	1	1	1
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1475 - PUMP ASSY., HYDRAULIC MARINE GEAR OIL														
4B	**5198744**	% PUMP ASSY.	1	1	1											
2A	**5198459**	PUMP ASSY.				1										
2A	**5196889**	PUMP ASSY.				1	1	1	1	1	1	1	1	1	1	1
4B	**179816**	BOLT, 5/16"-18X3/4"	4	4	4											
2A	**5198270**	KEY, 3/16" FLANGED				1	1	1	1	1	1	1	1	1	1	1
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1477 - ADAPTOR, MARINE GEAR OIL PUMP														
4B	**5198739**	% ADAPTOR	1	1	1											
4B	**179839**	BOLT, 3/8"-16X1"	3	3	3											
4B	**179848**	BOLT, 3/8"-16X2 1/4"	1	1	1											
	106261	WASHER, 5/16"	4													
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1478 - GASKET, MARINE GEAR PUMP ADAPTOR														
4B	**5198793**	% SHIM, .005" THK.	AR	AR	AR											
4B	**5198794**	% SHIM, .007" THK.	AR	AR	AR											
4B	**5198795**	% SHIM, .020" THK.	AR	AR	AR											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1480 - GASKET, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5196216**	GASKET				1	1	1	1	1	1	1	1	1	1	1
4B	**5198741**	% GASKET	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1505 - SEAL, HYDRAULIC MARINE GEAR OIL PUMP														
2A	**5199315**	SEAL, OIL (DOUBLE LIP)				1	1	1	1	1	1	1	1	1	1	1
2A	**5149675**	+ SEAL, OIL						1	1	1	1	1	1	1	1	1
		+ OPTIONAL														

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9.1000A HYDRAULIC MARINE GEAR

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1593 - TUBE, HYDRAULIC PUMP TO CONTROL VALVE														
4B	**5199556**	% TUBE	1	1	1											
4B	**5199074**	% CONNECTOR	2	2	2											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINEST., RACINE, WISC. 53403 OR NEAREST OUTLET.														

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9.1000A HYDRAULIC MARINE GEAR

	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		9.1598 - TUBE, CONTROL VALVE TO HYDRAULIC PUMP HOUSING														
4B	**5198754**	% * TUBE	1	1	1											
4B	**5199072**	% ELBOW	1	1	1											
4B	**5199553**	% ELBOW	1													
4B	**5199073**	% CONNECTOR	1	1	1											
4E	**5199554**	% NIPPLE	1													
		* NOT SERVICED; USE 5199555 TUBE PLUS (1) 5199553 ELBOW, AND (1) 5199554 NIPPLE.														
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1650 - STRAINER, MARINE GEAR OIL														
4B	**5198752**	% STRAINER	1	1	1											
2A	**5198456**	STRAINER				1	1	1	1	1	1			1	1	1
2A	**5199386**	DEFLECTOR										1	1			
2A	**5198457**	BUSHING, 3/4"X3/8"				1	1	1	1	1	1			1	1	1
2A	**5199388**	SPRING										1	1			
2A	**5199387**	WASHER										1	1			
2A	**5198458**	TUBE (OIL RETURN)				1	1	1	1	1	1			1	1	1
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1720 - TUBE, MARINE GEAR OIL STRAINER TO PUMP														
	5198787	% HOSE	1	1	1											
3A	**119098**	ELBOW, 1/2"X90 DEG. PIPE	2	2	2											
	5198769	% NIPPLE, 1/2"X1 1/2" PIPE	2	2	2											
	9409539	UNION, 1/2" PIPE	1	1	1											
		% NOT SERVICED, PROCURE THRU TWIN DISC INC., 1328 RACINE ST., RACINE, WISC. 53403 OR NEAREST OUTLET.														
		9.1840 - BREATHER, MARINE GEAR														
2A	**5199044**	BREATHER	1													
2A	**5198454**	BREATHER				1	1	1	1	1	1	1	1	1	1	1
2A	**180082**	BOLT, 5/16"-18X1 3/8" CAD. (12.9001)				4	4	4	4	4	4	4	4	4	4	4

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9.7000 TRANSMISSION—OFF-HIGHWAY

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4	TYPES 3
		9.7001 - TRANSMISSION ASSY.		
	6882897	TRANSMISSION ASSY., 77 MY-MT640	1	
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)	12	
	103341	WASHER, 3/8" (12.9190)	12	
	103321	LOCKWASHER, 3/8" (12.9200)	12	

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

10.1000A ENGINE HOOD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	100	101	104	105	108	110	111	115	116	123	124
		10.1001 - HOOD ASSY., ENGINE												
		FOR ENGINE HOOD TYPES 96, 97, 102, 107, AND 109 NOT SHOWN, REFER TO RADIATOR 5.3000A TYPES AS FOLLOWS FOR RADIATOR SHELL AND SUPPORTS. FOR TYPES 96 AND 107 REFER TO 5.3000A (58). FOR TYPES 97 AND 109 REFER TO 5.3000A (57). FOR TYPE 102 REFER TO 5.3000A TYPE (58) OR (64).												
	5123601	HOOD	1											
	5123602	+ HOOD		1										
	5125340	HOOD			1							1		
	5125457	HOOD				1								
	5125342	HOOD					1				1			
	5125458	HOOD						1						
	5125341	HOOD							1					
	5125343	HOOD								1				
	5135969	HOOD											1	1
	181309	BOLT, 1/4"-28X1/2" (12.9001)			14	9	14	9	14	14	14	14	14	14
	103319	LOCKWASHER, 1/4" (12.9200)			14	9	14	9	14	14	14	14	14	14
	114492	NUT, 1/4"-28 (12.9120)			14	9	14	9	14	14	14	14	14	14
		+ OBSOLETE.												
		10.1025 - SUPPORT, ENGINE REAR HOOD												
	5123598	SUPPORT	1	1										
	5125333	SUPPORT			1		1		1	1	1	1		
	5125456	SUPPORT				1		1						
	5146353	SUPPORT											1	1
	180016	BOLT, 1/4"-20X1/2" (12.9001)	4	4										
	5135321	BOLT, 3/8"-24X3 11/16" (12.9001)				2		2						
	454990	BOLT, 1/2"-13X1 1/8" (12.9001)			4		4		4	4	4	4	4	4
	103343	WASHER, 1/2" (12.9190)			4		4				4		4	
	103319	LOCKWASHER, 1/4" (12.9200)	4	4										
	103323	LOCKWASHER, 1/2" (12.9200)			4		4		4	4	4	4	4	4
	123390	NUT, 1/4"-20 (12.9120)	4	4										
		10.1057 - CATCH, ENGINE HOOD SIDE PANEL												
	5171531	CATCH ASSY., HOOD												4
	5135805	BRACKET												4
	181309	BOLT, 1/4"-28X1/2" (12.9001)												8
	103319	LOCKWASHER, 1/4" (12.9200)												8
	114492	NUT, 1/4"-20 (12.9120)												8
		10.1100 - PANEL, ENGINE HOOD SIDE												
	5123599	PANEL	2											
	5123600	PANEL		2										
	5125334	PANEL			2				2					

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10.1000A ENGINE HOOD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 98	100	101	104	105	108	110	111	115	116	123	124
		10.1100 - PANEL, ENGINE HOOD SIDE (CONT'D)												
	5125335	PANEL					2			2				
	5135965	PANEL												2

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10.1000A ENGINE HOOD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 125	126	127	132	134	135	138
		10.1001 - HOOD ASSY., ENGINE							
	5135967	HOOD	1	1					
	5135968	HOOD			1				
	5142791	HOOD				1		1	1
	5140226	HOOD					1		
	181309	BOLT, 1/4"-28X1/2" (12.9001)	14	14	14	14		14	14
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)					2		
	103340	WASHER, 5/16" (12.9190)					2		
	103319	LOCKWASHER, 1/4" (12.9200)	14	14	14	14		14	14
	103320	LOCKWASHER, 5/16" (12.9200)					2		
	114492	NUT, 1/4"-28 (12.9120)	14	14	14	14		14	14
	114493	NUT, 5/16"-24 (12.9120)					2		
		10.1025 - SUPPORT, ENGINE REAR HOOD							
	5146353	SUPPORT	1	1	1	1		1	1
	5140268	SUPPORT					1		
	5143368	SHIM, 5" L X 1.12" W. X 1/4"					2		
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)					4		
	454990	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4	4	2		4	4
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)				2			
	5170971	WASHER, 3/8" BEVEL (5.3015)					4		
	103341	WASHER, 3/8" (12.9190)					4		
	103343	WASHER, 1/2" (12.9190)	4	4	4	6		4	4
	103321	LOCKWASHER, 3/8" (12.9200)					4		
	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4	4		4	4
	117049	NUT, 3/8"-24 (12.9120)					4		
		10.1035 - PANEL, REAR HOOD SUPPORT							
	5139844	PANEL					1		
	106261	WASHER, 1/4" (12.9190)					5		
	103319	LOCKWASHER, 1/4" (12.9200)					5		
	120375	NUT, 1/4"-20 (12.9120)					5		
		10.1050 - CATCH, ENGINE HOOD HOLD-DOWN CLAMP							
	3222748	CATCH (90 DEG.)					4		
	120697	SCREW, 1/4"-20X3/4" FL. HD. SL. (12.9030)					8		
	103319	LOCKWASHER, 1/4" (12.9200)					8		
	120375	NUT, 1/4"-20 (12.9120)					8		
		10.1057 - CATCH, ENGINE HOOD SIDE PANEL							
	5171531	CATCH ASSY., HOOD	4		4			4	4
	5135805	BRACKET	4		4			4	4
	181309	BOLT, 1/4"-28X1/2" (12.9001)	8		8			8	8

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10.1000A ENGINE HOOD

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 125	126	127	132	134	135	138
		10.1057 - CATCH, ENGINE HOOD SIDE PANEL (CONT'D)							
	103319	LOCKWASHER, 1/4" (12.9200)	8		8			8	8
	114492	NUT, 1/4"-20 (12.9120)	8		8			8	8
		10.1070 - ANTI-SQUEAK, ENGINE HOOD							
	5110780	+ ANTI-SQUEAK (1"X41"L.)					2		
		+ NOT SERVICED; USE 5167873 AND CUT TO LENGTH SHOWN.							
		10.1080 - ROD, ENGINE HOOD TIE							
	3222531	ROD, 33 1/8"L.					2		
	5190180	BRACKET (TIE ROD)					2		
	120697	SCREW, 1/4"-20X3/4" (12.9030)					4		
	103319	LOCKWASHER, 1/4" (12.9200)					4		
	103323	LOCKWASHER, 1/2" (12.9200)					4		
	120375	NUT, 1/4"-20 (12.9120)					4		
	102637	NUT, 1/2"-13 (12.9120)					8		
		10.1100 - PANEL, ENGINE HOOD SIDE							
	5135964	PANEL	2		2			2	2
	5139844	PANEL					1		

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B *Vibration Damper*
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A *Balance Weight Cover*
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

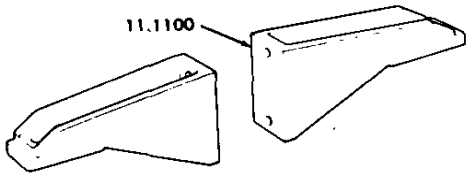


FIG. 1A ENGINE SUPPORT (Rear)

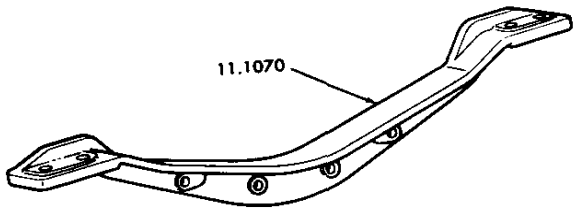


FIG. 1B ENGINE SUPPORT (Front)

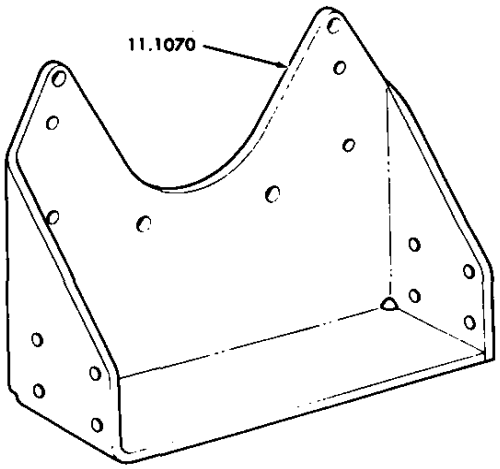


FIG. 1C FRONT ENGINE SUPPORT (Stationary)

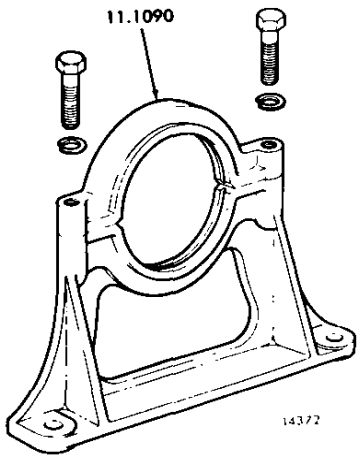


FIG. 1D FRONT ENGINE SUPPORT (Trunnion)

ENGINE MOUNTS

Figs. 1A, 1B, 1C & 1D of 11.0000

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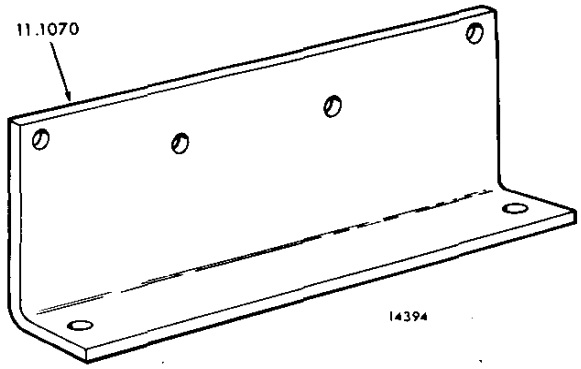


FIG. 1E

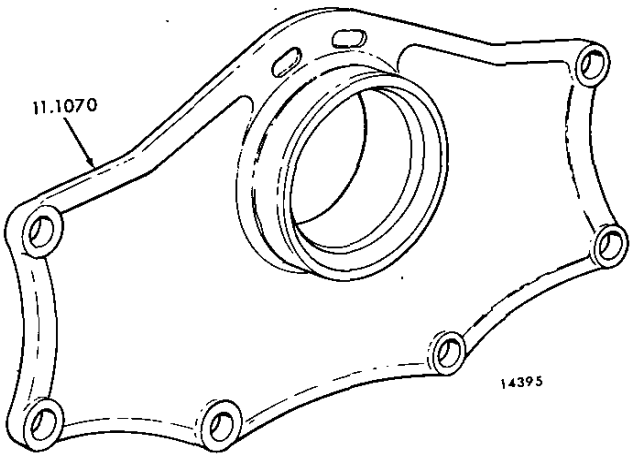


FIG. 1F

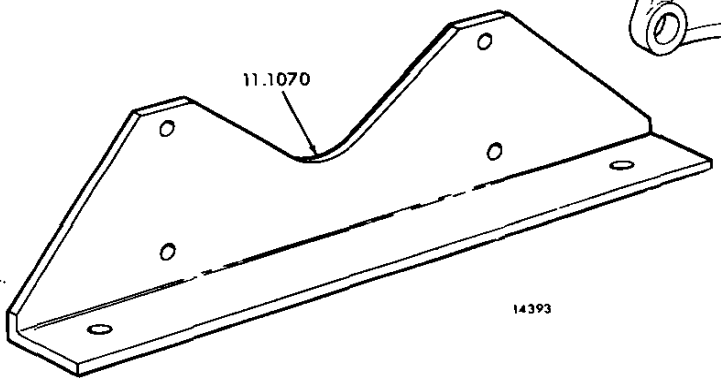


FIG. 1G

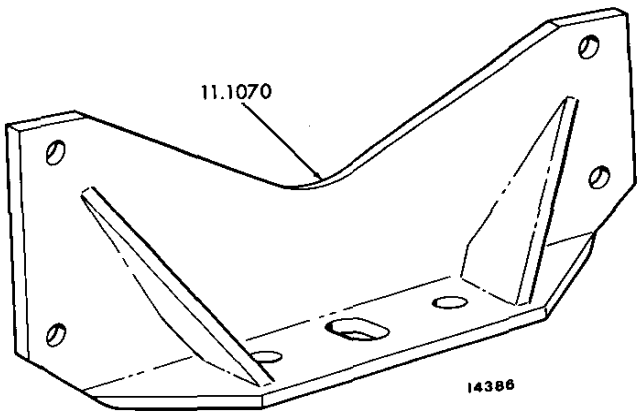


FIG. 1H

ENGINE FRONT SUPPORTS

Figs. 1E, 1F, 1G & 1H of 11.0000

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 306	311	315	316	317	318	319	337	352	353	354	355
		11.1001 - BASE, ENGINE												
	5116121	+ BASE		1										
	5119380	+ BASE				1								
	5119381	+ BASE					1							
	5167615	WASHER, 1/2" BEVEL (11.1073)		10										
		+ NOT SERVICED; CUSTOMER MUST FABRICATE.												
		11.1035 - BUSHING, STARTING MOTOR CABLE INSULATION												
	5182781	BUSHING (1 1/2")				1	1							
	5166937	LOCKNUT (1 1/2") (11.1001)				1	1							
		11.1070 - SUPPORT, ENGINE FRONT												
1G	5109374	SUPPORT	1											
1G	5126044	* SUPPORT		1										
1G	5109375	SUPPORT			1									
1B	5129068	SUPPORT							1					
1F	5124762	SUPPORT (11.1090)								1				
1C	5125510	SUPPORT									1			
1C	5125511	SUPPORT										1		
1C	5125509	SUPPORT											1	
1F	5128660	SUPPORT												1
1C	5119060	BRACKET						2						
#	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)	4	6	2					4	4	4	4	4
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)							2					
#	454933	SPACER, 5/8" I.D. X 2.12" L.	2		2						4	4	4	
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)		2						2				2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							2					
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)						4						
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)			2									
	271585	BOLT, 5/8"-18X1 3/4" (12.9001)			2									
	103345	WASHER, 5/8" (12.9190)			2									
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR										AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR				AR	AR	AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)						AR						
	103325	LOCKWASHER, 5/8" (12.9200)			2									
	103028	NUT, 1/2"-20 (12.9120)			2									
	117503	NUT, 5/8"-18 (12.9120)			2									
		# FIG. 2A OF 5.0000.												
		* OBSOLETE.												
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	5118545	MOUNTING ASSY. (CUSHION)		2										
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)		4										
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)		2										

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 308	311	315	316	317	318	319	337	352	353	354	355
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC (CONT'D)												
	5167615	WASHER, 1/2" BEVEL (11.1073)		4										
	103345	WASHER, 5/8" (12.9190)		8										
	106267	WASHER, 11/16" (12.9190)		12										
	103323	LOCKWASHER, 1/2" (12.9200)		4										
	122761	NUT, 1/2"-20 SL. (12.9130)		4										
	9434177	NUT, 5/8"-18 SL. (12.9130)		12										
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
		A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.												
1D	5122523	SUPPORT ASSY.												1
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)												2
	103321	LOCKWASHER, 3/8" (12.9200)												2
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
	5166864	RING (CUSHION)								1				
	5122409	RING (CUSHION)												1
		11.1100 - SUPPORT, ENGINE REAR												
1A	5119099	BRACKET						2	2					
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						4	4					
	103322	LOCKWASHER, 7/16" (12.9200)						4	4					
		11.1190 - SUPPORT, GENERATOR MTG.												
	5118545	MOUNTING ASSY. (CUSHION) (11.1072)		2										
	5167615	WASHER, 1/2" BEVEL (11.1073)		4										
	103345	WASHER, 5/8" FLAT (12.9190)		4										
	103323	LOCKWASHER, 1/2" (12.9200)		4										
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)		4										
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)		2										
	122761	NUT, 1/2"-20 HEX. SL. (12.9130)		4										
	9434177	NUT, 5/8"-18 SL. (12.9130)		4										

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	358	359	370	380	386	389	402	404	405	406	407
		11.1001 - BASE, ENGINE MOUNTING												
	5127990	+ BASE												1
	5167615	WASHER, 1/2" BEVEL (11.1073)												10
		+ OBSOLETE.												
		11.1050 - RAIL, ENGINE MOUNTING												
	5126294	+ RAIL (RIGHT SIDE)								1				
	5126295	+ RAIL (LEFT SIDE)								1				
	5126305	+ RAIL (FRONT & CENTER)								2				
	5126304	+ RAIL (REAR)								1				
	181428	BOLT, 1/2"-20X1 1/8" (12.9001)								12				
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)								4				
	271632	BOLT, 3/4"-16X1 3/4" (12.9001)								2				
	223752	BOLT, 3/4"-16X2" (12.9001)								2				
	103323	LOCKWASHER, 1/2" (12.9200)								16				
	103326	LOCKWASHER, 3/4" (12.9200)								4				
	103028	NUT, 1/2"-20 (12.9120)								16				
	218197	NUT, 3/4"-16 (12.9120)								4				
		+ OBSOLETE.												
		11.1070 - SUPPORT, ENGINE FRONT												
1G	5126044	* SUPPORT												1
1F	5124762	SUPPORT (11.1090)					1		1					
1C	5123945	SUPPORT	1	1	1									
1H	5125827	SUPPORT				1								
1C	5124404	SUPPORT						1						
1E	5127943	SUPPORT							1		1			
B	5125209	* SUPPORT										1		
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)	4	4	4	4	4	4	4					6
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)									2	2		
#	454933	BOLT, 7/16"-14 X 1 1/8" (12.9001)	4	4	4			4			2			
	180147	BOLT, 7/16"-14X1 1/4" (12.9001)					8		2				6	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)										2		
	103321	LOCKWASHER, 3/8" (12.9200)				AR					AR			
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR		AR	AR	AR		AR	AR	AR	AR
	5125822	NUT, 1/2"-13 ANCHOR				1								
		# FIG. 2A OF 5.0000.												
		* OBSOLETE												
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	5118545	* MOUNTING ASSY. (CUSHION)												2
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)												4
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)												2

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 357	358	359	370	380	386	389	402	404	405	406	407
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC (CONT'D)												
	5167615	WASHER, 1/2" BEVEL (11.1073)												4
	103345	WASHER, 5/8" (12.9190)												8
	106267	WASHER, 11/16" (12.9190)												12
	103323	LOCKWASHER, 1/2" (12.9200)												4
	122761	NUT, 1/2"-20 SL. (12.9130)												4
	9434177	NUT, 5/8"-18 SL. (12.9130)												12
		* OBSOLETE.												
		11.1075 - BRACKET, ENGINE SUPPORT												
	5125529	BRACKET (R.H.)	1											
	5125530	BRACKET (L.H.)	1											
	5123841	BRACKET (R.H.) (11.1070)		1				1						
	5123842	BRACKET (L.H.) (11.1070)		1				1						
	5123839	BRACKET (R.H.)			1									
	5123840	BRACKET (L.H.)			1									
	181361	BOLT, 3/8"-24X7/8" (12.9001)	8	8	8			8						
	103321	LOCKWASHER, 3/8" (12.9200)	8	8	8			8						
	117049	NUT, 3/8"-24 (12.9120)	8	8	8			8						
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
		A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.												
1D	5122523	SUPPORT ASSY.											1	
1D	5186647	SUPPORT ASSY.					1		1					
	454906	BOLT, 3/8"-16X1 1/2" (12.9001)											2	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)					2		2					
	103321	LOCKWASHER, 3/8" (12.9200)											2	
	103322	LOCKWASHER, 7/16" (12.9200)					2		2					
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
	5166864	RING (CUSHION)					1		1					
	5122409	RING (CUSHION)											1	
		11.1100 - SUPPORT, ENGINE REAR												
	5125211	* SUPPORT										2		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										4		
	103322	LOCKWASHER, 7/16" (12.9200)										4		
		* OBSOLETE.												

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 408	409	410	412	414	417	421	422	423	424	425	426
		11.1050 - RAIL, ENGINE MOUNTING												
	5126919	+ RAIL (SIDE)	2											
	5126921	+ RAIL (CROSS)	2											
	5126296	+ RAIL (RIGHT SIDE)				1								
	5126297	+ RAIL (LEFT SIDE)				1								
	5126305	+ RAIL (FRONT AND INTERMEDIATE)				2							2	2
	5126304	+ RAIL (REAR)				1							1	1
	5126629	+ RAIL (FRONT AND REAR)						2						
	5126290	+ RAIL (RIGHT SIDE)											1	
	5126291	+ RAIL (LEFT SIDE)											1	
	5126292	+ RAIL (LEFT SIDE)												1
	5126293	+ RAIL (RIGHT SIDE)												1
	181428	BOLT, 1/2"-20X1 1/8" (12.9001)				12							12	12
	181431	BOLT, 1/2"-20X1 1/2" (12.9001)				4							4	4
	271632	BOLT, 3/8"-16X1 3/4" (12.9001)	2			2							2	2
	223752	BOLT, 3/4"-16X2" (12.9001)				4							2	4
	103323	LOCKWASHER, 1/2" (12.9200)	AR			AR							AR	AR
	103326	LOCKWASHER, 3/4" (12.9200)	AR			AR							AR	AR
	103028	NUT, 1/2"-20 (12.9120)	8			16							16	16
	218197	NUT, 3/4"-16 (12.9120)	2			6							4	6
		+ NOT SERVICED; CUSTOMER MUST FABRICATE.												
		11.1052 - ROD, ENGINE MOUNTING RAIL TIE												
	5126633	ROD (31.40"L.)						1						
	120378	NUT, 1/2"-13 (12.9120)						4						
		11.1070 - SUPPORT, ENGINE FRONT												
1B	**5128688**	SUPPORT			1									
1B	**5128687**	* SUPPORT		1										
1B	**5129068**	SUPPORT					1				1	1		
1C	**5119060**	SUPPORT							2					
1H	**5125827**	SUPPORT								1				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)								4				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)					2							
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)									2	2		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4									
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2							
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)									2	2		
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)							4					
	103321	LOCKWASHER, 3/8" (12.9200)					AR			AR	AR			
	103322	LOCKWASHER, 7/16" (12.9200)		AR	AR		AR				AR	AR		
	103323	LOCKWASHER, 1/2" (12.9200)							4					
	5125822	NUT, 1/2"-13 ANCHOR								1				
		* OBSOLETE												

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 408	409	410	412	414	417	421	422	423	424	425	426
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	3766293	MOUNTING ASSY. (UPPER)								1				
	3767180	PLATE (LOWER) (2.88"L.)								1				
	3766296	SPACER, 7.18" O.D. X 2.368" L.								1				
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)								1				
	103343	WASHER, 1/2" (12.9190)								1				
	103323	LOCKWASHER, 1/2" (12.9200)								1				
		11.1075 - BRACKET, ENGINE SUPPORT												
	5125829	BRACKET								1				
		11.1100 - SUPPORT, ENGINE REAR												
1A	5128897	* SUPPORT (R.H.)		1	1									
1A	5128898	* SUPPORT		1	1									
1A	5127279	SUPPORT					2	2	2		2			
1A	5119099	SUPPORT										2		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4	4									
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					4		4		4	4		
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR									
	103322	LOCKWASHER, 7/16" (12.9200)					4		4		4	4		
		* OBSOLETE												
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC												
	3743771	MOUNTING ASSY. (UPPER, RUBBER)								2				
	3723646	MOUNTING ASSY. (3.38"L., LOWER, RUBBER)								2				
	3789949	MOUNTING ASSY. (2.562"L., LOWER, RUBBER)								1				
	3723648	SPACER, 5/8" I.D. X 2.12" L.								2				
	3763766	BOLT, LOCK								2				
	271568	BOLT, 5/8"-11X3 1/2" (12.9001)								2				

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 427	428	429	430	433	436	437	442	446	451	452	453
		11.1001 - BASE, ENGINE												
	5116121	+ BASE						1						
	5167615	WASHER, 1/2" BEVEL (11.1073)						10						
		11.1050 - RAIL, ENGINE MOUNTING												
	5126629	+ RAIL (FRONT AND REAR)	2	2										
	5126917	+ RAIL (SIDE)			2									
	5126920	+ RAIL (FRONT AND REAR)			2									
	5126629	+ RAIL (FRONT AND REAR)					2		2					
	181428	BOLT, 1/2"-20X1 1/8" (12.9001)			8									
	271630	BOLT, 3/4"-16X1 1/2" (12.9001)					2		2					
	271632	BOLT, 3/8"-16X1 3/4" (12.9001)			2									
	223752	BOLT, 3/8"-16X2" (12.9001)					2		2					
	103323	LOCKWASHER, 1/2" (12.9200)			AR									
	103326	LOCKWASHER, 3/4" (12.9200)			AR		AR		AR					
	103028	NUT, 1/2"-20 (12.9120)			8									
	218197	NUT, 3/4"-16 (12.9120)			2		4		4					
		+ NOT SERVICED; CUSTOMER MUST FABRICATE.												
		11.1052 - ROD, ENGINE MOUNTING RAIL TIE												
	5126633	ROD (31.40"L.)							1					
	5126632	ROD (26.00"L.)	1				1							
	5126634	ROD (36.80"L.)		1										
	103323	LOCKWASHER, 1/2" (12.9200)	2	2			2		2					
	120378	NUT, 1/2"-13 (12.9120)	4	4			4		4					
		11.1070 - SUPPORT, ENGINE FRONT												
1B	5128688	* SUPPORT											1	
1B	5128687	* SUPPORT										1		
10,1F	5128660	SUPPORT				1					1			1
1C	5116086	SUPPORT						1						
1C	5100151	SUPPORT								1				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				4		6		4	4			4
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				2		4			2			2
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)									4	4	4	
	103321	LOCKWASHER, 3/8" (12.9200)				AR				AR	AR			AR
	103322	LOCKWASHER, 7/16" (12.9200)				AR		AR			AR	AR	AR	AR
		* OBSOLETE												
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	5118545	*MOUNTING ASSY. (CUSHION)*						2						
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)						4						
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)						2						

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 427	428	429	430	433	436	437	442	446	451	452	453
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC (CONT'D)												
	5176715	WASHER, 1/2" BEVEL (11.1073)						4						
	103345	WASHER, 5/8" (12.9190)						4						
	106267	WASHER, 11/16"I.D.X1 3/4"O.D.X.147" (12.9190)						6						
	103323	LOCKWASHER, 1/2" (12.9200)						4						
	122761	NUT, 1/2"-20 (12.9120)						4						
	9434177	NUT, 5/8"-18 LOCK (12.9140)						4						
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
		A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.												
1D	**5122523**	SUPPORT ASSY.				1					1			
1D	**5108972**	SUPPORT ASSY.												1
	186628	BOLT, 3/8"-16X1 1/2" (12.9001)				2					2			2
	103321	LOCKWASHER, 3/8" (12.9200)				2					2			2
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
	5122409	RING (CUSHION)				1					1			1
		11.1100 - SUPPORT, ENGINE REAR												
1A	**5128897**	+ SUPPORT (R.H.)										1	1	
1A	**5128898**	+ SUPPORT										1	1	
	5109208	+ PLATE (11.1070)										1	1	
	5109209	+ SPACER (11.1070)										2	2	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										4	4	
	187234	BOLT, 3/8"-24X2 7/8" (12.9001)										4	4	
	103321	LOCKWASHER, 3/8" (12.9200)										AR	AR	
	117049	NUT, 3/8"-24 (12.9120)										4	4	
		+ OBSOLETE.												
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC												
	5118545	MOUNTING ASSY. (CUSHION)						2						
	181433	BOLT, 1/2"-20X1 3/4" (12.9001)						4						
	223747	BOLT, 5/8"-18X4 1/4" (12.9001)						2						
	5167615	WASHER, 1/2" BEVEL (11.1073)						4						
	103345	WASHER, 5/8" (12.9190)						4						

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 427	428	429	430	433	436	437	442	448	451	452	453
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC (CONT'D)												
	106267	WASHER, 11/16" (12.9190)						6						
	103323	LOCKWASHER, 1/2" (12.9200)						4						
	122761	NUT, 1/2"-20 (12.9120)						4						
	9434177	NUT, 5/8"-18 LOCK (12.9140)						4						

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	473	474	476	477	478	480	483	487	489	490	491
		11.1010 - CUSHION, ENGINE MOUNTING BASE ISOLATION PAD												
	5130657	ISOLATOR, VIBRATION					2							
	122408	BOLT, 1/2"-13X1" (12.9001)					4							
	103323	LOCKWASHER, 1/2" (12.9200)					4							
		11.1070 - SUPPORT, ENGINE FRONT												
1B	5162813	SUPPORT	1								1			
1B	5162814	SUPPORT		1	1	1		1		1				1
1C	5130811	SUPPORT							1					
1A	5131270	* SUPPORT										1	1	
1A	5138756	* SUPPORT										1	1	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							4					
	214265	* BOLT, 3/8"-16X3 3/4" (12.9001)		4				4		4				
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	2		2	2					2			2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)							4					
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										4	4	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)		2				2		2				
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	4		4	4					4		4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR			AR
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR		AR	AR	AR	AR	AR	AR	AR
		* OBSOLETE												
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	5179361	MOUNTING ASSY. (OUTBOARD)										2	2	
	5179364	MOUNTING ASSY. (INBOARD)										2	2	
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)										8	8	
	103323	LOCKWASHER, 1/2" (12.9200)										AR	AR	
	102637	NUT, 1/2"-13 (12.9120)										8	8	
		11.1075 - BRACKET, ENGINE SUPPORT												
	5123841	BRACKET (R.H.) (11.1070)							1					
	5123842	BRACKET (L.H.) (11.1070)							1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)							8					
	103321	LOCKWASHER, 3/8" (12.9200)							8					
	117049	NUT, 3/8"-24 (12.9120)							8					
		11.1100 - SUPPORT, ENGINE REAR												
1A	5125211	* SUPPORT	2											
1A	5127279	SUPPORT		2		2								
1A	5119099	SUPPORT			2					2				

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11.1000A ENGINE MOUNTING AND BASE

11.1100 - SUPPORT, ENGINE REAR (CONT'D)

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 468	473	474	476	477	478	480	483	487	489	490	491
	5130239	SUPPORT						2						2
1A	5131330	SUPPORT									2			
	5131383	SUPPORT										1		
	5131302	SUPPORT											1	
	5159347	SPACER, 3/4" O.D. X 1/2" (7.1581)											6	
	5173935	PLUG, 1/2" PIPE SL HD. (1.5001)									8			
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									8	4		
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)											6	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4	4				4				
	442733	BOLT, 1/2"-13X1 1/4" (12.9001)						4						4
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)						4						4
	103341	WASHER, 3/8" (12.9190)									8			
	103321	LOCKWASHER, 3/8" (12.9200)									8	AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4				4				
	103323	LOCKWASHER, 1/2" (12.9200)						8						8

* OBSOLETE

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 496	498	499	501	502	506	509	510	511	515	516	523
		11.1070 - SUPPORT, ENGINE FRONT												
1B	5173851	SUPPORT	1		1			1						
1C	5131318	SUPPORT		1										
1F	5124762	SUPPORT (11.1090)				1	1							
1C	5132145	SUPPORT							1					
1C	5123945	SUPPORT								1				
1C	5134442	SUPPORT										1		
1B	5134225	SUPPORT										4	1	1
	186282	BOLT, 3/8"-16X3 1/4" (12.9001)		6		4				4				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)			4			4					2	2
	214265	+ BOLT, 3/8"-16X3 3/4" (12.9001)											2	2
	9409914	BOLT, 3/8"-16X4 1/4" (12.9001)	2							4		2		
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)		4		2	6							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			2			2						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	4										2	2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)											2	2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)												
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)												
	106263	WASHER, 7/16" (12.9190)	AR	AR	AR	AR		AR	AR	AR		AR		
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR		AR		AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)												
		+ OBSOLETE.												
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	5179364	MOUNTING ASSY. (INBOARD)			2									
	5132451	MOUNTING ASSY.	2					2						
	5130234	MOUNTING ASSY.												
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)	4		4			4						
	103323	LOCKWASHER, 1/2" (12.9200)	4		AR			AR						
	102637	NUT, 1/2"-13 (12.9120)	4		4			4						
		11.1088 - TRUNNION, ENGINE FRONT												
	5133502	+ TRUNNION									1			
	272628	NUT, 7/16"-20 LOCK (12.9140)									6			
		+ OBSOLETE.												
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
		A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.												
1D	5100262	* SUPPORT ASSY.				1					1			
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)				2					2			
	103322	LOCKWASHER, 7/16" (12.9200)				2					2			
		* OBSOLETE												

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 496	498	499	501	502	506	509	510	511	515	516	523
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
	5166864	RING (CUSHION)				1	1				1			
		11.1100 - SUPPORT, ENGINE REAR												
1A	5127279	SUPPORT												2
1A	5131268	SUPPORT	2		2		2							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4		4			4						4
	103322	LOCKWASHER, 7/16" (12.9200)	4		4			4						4
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC												
	5179361	MOUNTING ASSY. (11.1072)	2											
	5179364	MOUNTING ASSY. (11.1072)			2									
	5130234	MOUNTING ASSY. (11.1072)						2						
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)	4		4			4						
	103323	LOCKWASHER, 1/2" (12.9200)	4		4			4						
	102637	NUT, 1/2"-13 (12.9120)	4		4			4						

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5225	5332	5334	5337	5338	5450	5500	5553	5554	5556	5557	5563
		11.1001 - BASE, ENGINE												
	5139811	+ BASE												1
		+ NOT SERVICED; CUSTOMER MUST FABRICATE.												
		11.1035 - BUSHING, STARTING MOTOR CABLE INSULATION												
	5182735	BUSHING (4")												2
	5182736	LOCKNUT												2
		11.1070 - SUPPORT, ENGINE FRONT												
	5133956	SUPPORT			1									
1A	5131270	* SUPPORT (TO MARINE GEAR R.H.)				1	1							
1A	5138756	* SUPPORT (TO MARINE GEAR L.H.)				1	1							
1B	5162814	SUPPORT						1						
	5139898	SUPPORT							1					
1B	5128688	* SUPPORT								1				
1B	5128687	* SUPPORT									1			
1B	5141015	SUPPORT										1		
1B	5173851	MOUNT											1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)								4	4			
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		4	5				2					
	455537	BOLT, 3/8"-16X4" (12.9001)										2		
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)						2	2			2	2	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)			3									
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				4	4							
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							2					
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)						4					4	
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)										2		
	106263	WASHER, 7/16" (12.9190)										2		
	103321	LOCKWASHER, 3/8" (12.9200)								4	4			
	103322	LOCKWASHER, 7/16" (12.9200)			AR	AR	AR	AR				AR		
		* OBSOLETE.												
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC												
	5179361	MOUNTING ASSY. (OUTBOARD)				2	2							
	5179364	MOUNTING ASSY. (INBOARD)				2	2							
	5140004	MOUNTING							1					
	5140563	MOUNTING (CUSHION)							6					
	5132451	MOUNTING ASSY. (FRONT)											2	
	5179361	MOUNTING ASSY. (REAR)											2	
	5140425	SPACER							3					

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 525	532	534	537	538	545	550	553	554	556	557	563
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC (CONT'D)												
	5140003	PLATE							1					
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)							4					
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)				8	8							
	271568	BOLT, 5/8"-11X3 1/2" (12.9001)							3					
	103322	LOCKWASHER, 7/16" (12.9200)							4					
	103323	LOCKWASHER, 1/2" (12.9200)				8	8							
	103325	LOCKWASHER, 5/8" (12.9200)							3					
	102637	NUT, 1/2"-13 (12.9120)				8	8							
	102639	NUT, 5/8"-11 (12.9120)							3					
		11.1088 - TRUNNION, ENGINE FRONT												
	5128660	TRUNNION		1									1	
	5137901	TRUNNION											6	
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)		2									6	
	103322	LOCKWASHER, 7/16" (12.9200)		2										
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING												
		A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.												
1D	5186647	SUPPORT ASSY.	1										1	
1D	5136387	SUPPORT ASSY.		1										
1D	454906	BOLT, 3/8"-16X1 1/2" (12.9001)		2										
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)	2										2	
1D	103321	LOCKWASHER, 3/8" (12.9200)		2										
	103322	LOCKWASHER, 7/16" (12.9200)	2										2	
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION												
	5137902	RING (CUSHION)	1										1	
	5122409	RING (CUSHION)		1										
		11.1100 - SUPPORT, ENGINE REAR												
	5137161	SUPPORT (R.H.)		1										
	5137162	SUPPORT (L.H.)		1										
	5131383	SUPPORT				1								
	5131302	SUPPORT					1							
	5140427	SUPPORT							2					
	5138860	* SUPPORT								1	1			

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 525	532	534	537	538	545	550	553	554	556	557	563
		11.1100 - SUPPORT, ENGINE REAR (CONT'D)												
1A	5128898	* SUPPORT (L.H.)								1	1			
	5148671	SUPPORT (NOTCHED)											2	
	5159347	SPACER, 3/4"O.D.X1/2" (7.1581)				6	6							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)		6										
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		4										
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)				6	6							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)								4	4			
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)							8					
	103321	LOCKWASHER, 3/8" (12.9200)			3	6	6							
	103322	LOCKWASHER, 7/16" (12.9200)								4	4			
	103323	LOCKWASHER, 1/2" (12.9200)							8					
		* OBSOLETE												
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC												
	5140426	MOUNTING							4					
	5140562	MOUNTING (CUSHION)							8					
	5140425	SPACER							4					
	271568	BOLT, 5/8"-11X3 1/2" (12.9001)							4					
	103325	LOCKWASHER, 5/8" (12.9200)							4					
	102639	NUT, 5/8"-11 (12.9120)							4					

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 568	577	578	582	587	594	596	601	610	611	616
		11.1070 - SUPPORT, ENGINE FRONT											
1B	5162814	SUPPORT						1	1				1
1C	5140080	SUPPORT	1										
	5119060	SUPPORT		1									
1B	5129068	SUPPORT			1								
	5134225	SUPPORT				1					1		
1F	5128660	SUPPORT					1					1	
1B	5147843	MOUNT					4					4	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				2					2		
	214265	+ BOLT, 3/8"-16X3 3/4" (12.9001)											
	455537	BOLT, 3/8"-16X4" (12.9001)				2					2		
	186288	BOLT, 3/8"-16X4 1/2" (12.9001)	2		2	2			2		2		2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	2				2						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)							4				
	179861	BOLT, 7/16"-14X1 3/8" (12.9001)						2				2	2
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)			2				4				2
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)				2					2		
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		4									
	186725	BOLT, 1/2"-13X1 1/2" (12.9001)	2										
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)	2			2					2		
	5167615	WASHER, 1/2" BEVEL	AR	AR	AR	AR	AR	AR	AR		AR	AR	AR
	106263	WASHER, 7/16" (12.9190)	AR										
	103322	LOCKWASHER, 7/16" (12.9200)											
	103323	LOCKWASHER, 1/2" (12.9200)	2										
	103263	NUT, 1/2"-13 (12.9120)											
		+ OBSOLETE.											
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC											
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)											8
	103323	LOCKWASHER, 1/2" (12.9200)											8
	102637	NUT, 1/2"-13 (12.9120)											8
		11.1088 - TRUNNION, ENGINE FRONT											
	5138894	TRUNNION								1			
	9411707	BOLT, 7/16"-14X1 1/4" (12.9001)								8			
	5125608	WASHER, 15/32"X3/4"X1/8" (1.3112)								8			
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING											
		A SUPPORT ASSY. INCLUDES BOLTS AND LOCKWASHERS.											
1D	5136387	SUPPORT ASSY.					1						
1D	454906	BOLT, 3/8"-16X1 1/2" (12.9001)					2						
1D	191249	BOLT, 3/8"-16X3 3/4" (12.9001)						4					

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 568	577	578	582	587	594	596	601	610	611	616
		11.1090 - SUPPORT, ENGINE FRONT TRUNNION MOUNTING (CONT'D)											
	103321	LOCKWASHER, 3/8" (12.9200)					2						
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION											
	5122409	RING (CUSHION)					1						
	5166864	RING (CUSHION)								1			
		11.1100 - SUPPORT, ENGINE REAR											
1A	5140092	SUPPORT (L.H.)	1										
1A	5140093	SUPPORT (R.H.)	1										
	5144558	SUPPORT		1	1							2	
1A	5147844	MOUNT											2
1A	5148669	MOUNT (NOTCHED)				2			2				
	5198788	BRACKET (9.1011)											
	5186664	SHIM (.010")	AR										
	5186663	SHIM (.005")	AR										
	5177445	SHIM (.031")	AR										
	5177446	SHIM (.062")	AR										
	5143369	SHIM (.187") (8.1895)	AR										
	5140392	SHIM (.005") (2 HOLE)	AR										
	5175223	SHIM (.062")	AR										
	5175224	SHIM (.031")	AR										
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4							4	4
	180175	BOLT, 1/2"-13X1 1/4" (12.9001)				8			8				
	179886	BOLT, 1/2"-13X1 5/8" (12.9001)	4										
	186631	BOLT, 1/2"-13X2 1/4" (12.9001)	4										
	186659	BOLT, 1/2"-13X3 3/4" (12.9001)	4										
	5167615	WASHER, 1/2" BEVEL	2										
	103322	LOCKWASHER, 7/16" (12.9200)		4	4							4	4
	103323	LOCKWASHER, 1/2" (12.9200)	12			8			8				
	123263	NUT, 1/2"-13 (12.9120)	4										

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 617	625	631	633	635	641	646
		11.1070 - SUPPORT, ENGINE FRONT							
	5173851	SUPPORT	1						
1F	5124762	SUPPORT (11.1090)		1					
	5125827	SUPPORT			1				
	5162814	SUPPORT				1			
	5105106	SUPPORT					1		
	5106356	SUPPORT						1	
	5107098	SUPPORT							1
	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)			4			4	
	191249	BOLT, 3/8"-16 X 3 3/4" (12.9001)				4			
	186628	BOLT, 3/8"-16X4 1/2" (12.9001)	2						
	192883	BOLT, 3/8"-16 X 5 1/4" (12.9001)							2
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)		6		6	2		
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)				2			4
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)	4						
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		2					
	103322	LOCKWASHER, 7/16" (12.9200)	4	8		2	6	2	4
	5125822	NUT, 1/2"-13 ANCHOR			1				
		11.1072 - MOUNTING, ENGINE FRONT SUPPORT ELASTIC							
	5140004	MOUNTING							1
	5140562	MOUNTING (CUSHION)							6
	5140425	SPACER							3
	5140003	PLATE							1
	271568	BOLT, 5/8"-11 X 3 1/2" (12.9001)							3
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)							4
	103322	LOCKWASHER, 7/16" (12.9200)							4
	103325	LOCKWASHER, 5/8" (12.9200)							3
	102639	NUT, 5/8"-11 (12.9120)							3
		11.1094 - RING, ENGINE FRONT TRUNNION MOUNTING SUPPORT CUSHION							
	5168864	RING (CUSHION)		1					
		11.1100 - SUPPORT, ENGINE REAR							
1A	5148671	SUPPORT	2						
1A	5140427	SUPPORT							2
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4						
	186725	BOLT, 1/2"-13 X 1 1/2" (12.9001)							8
	103322	LOCKWASHER, 7/16" (12.9200)	4						
	103323	LOCKWASHER, 7/16" (12.9200)							8
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC							
	5179361	MOUNTING ASSY.	2						
	5105093	MOUNTING ASSY.			1				
	5140426	MOUNTING							4
	5140562	MOUNTING (CUSHION)							8
	5146900	PIN, 3/8" X 1 1/8" DOWEL (12.9290)			2				
	5140425	SPACER							4
	5152148	WASHER, 3/8"			3				
	271568	BOLT, 5/8"-11 X 3 1/2"							4
	186619	BOLT, 3/8"-16 X 1 1/8"			3				
	455537	BOLT, 3/8"-16 X 4" (12.9001)			6				
	179895	BOLT, 1/2"-13X3 1/2" (12.9001)	8						
	103321	LOCKWASHER, 3/8" (12.9200)			6				

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11.1000A ENGINE MOUNTING AND BASE

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 617	625	631	633	635	641	646
		11.1120 - MOUNTING, ENGINE REAR SUPPORT ELASTIC (CONT'D)							
	103323	LOCKWASHER, 1/2" (12.9200)	8						
	103325	LOCKWASHER, 5/8" (12.9200)							4
	102637	NUT, 1/2"-13 (12.9120)	8						
	102639	NUT, 5/8"-11 (12.9120)							4

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GROUP NOMENCLATURE

1.0000 ENGINE (less major assemblies)
- 1.1000 Cylinder Block
- 1.1000A Air Box Drains
- 1.2000 Cylinder Head
- 1.2000A Engine Lifter Bracket
- 1.3000 Crankshaft, Oil Seals and Stabilizers
- 1.3000A Crankshaft Front Cover
- 1.3000B Vibration Damper
- 1.3000C Crankshaft Pulley
- 1.3000D Crankshaft Pulley Belt
- 1.4000A Flywheel
- 1.5000A Flywheel Housing
- 1.5000B Flywheel Housing Adaptor
- 1.6000 Connecting Rod and Piston
- 1.7000 Camshaft and Gear Train
- 1.7000A Balance Weight Cover
- 1.7000B Accessory Drive
- 1.8000 Valve Injector Operating Mechanism
- 1.8000A Rocker Cover

2.0000 FUEL SYSTEM
- 2.1000A Fuel Injector
- 2.1000B Electronic Injector Controls
- 2.2000 Fuel Pump
- 2.2000A Fuel Pump Drain
- 2.3000A Fuel Filter and Strainer
- 2.3000A Fuel Filter and Strainer (Twin and Quad)
- 2.4000 Fuel Manifold and/or Connections
- 2.4000A Dual Fuel System
- 2.5000A Fuel Lines and Fuel Cooler
- 2.5000A Fuel Lines and Fuel Cooler (Twin and Quad)
- 2.6000A Fuel Tank
- 2.6000B Electric Governor
- 2.7000A Mechanical Governor
- 2.8000A Hydraulic Governor
- 2.9000 Injector Controls
- 2.9000 Injector Controls (Twin and Quad)
- 2.9000A Throttle Controls
- 2.9000A Throttle Controls (Twin and Quad)

3.0000 AIR SYSTEM
- 3.1000A Air Cleaner and/or Adaptor
- 3.2000A Air Silencer
- 3.3000A Air Inlet Housing
- 3.3000C Air Intake Manifold
- 3.4000 Blower and Drive
- 3.4000A Blower Drive Shaft
- 3.4000B Bloer End Plate Cover
- 3.5000A Turbocharger, Intercooler, and Aftercooler

4.0000 LUBRICATING SYSTEM
- 4.1000A Oil Pump
- 4.1000B Oil Distribution System
- 4.1000C Oil Pressure Regulator
- 4.2000A Oil Filter
- 4.3000A Oil Filter Lines
- 4.4000A Oil Cooler and Marine Gear Lines
- 4.5000A Oil Filler
- 4.6000A Dipstick
- 4.7000A Oil Pan
- 4.8000A Ventilating System

5.0000 COOLING SYSTEM
- 5.1000 Fresh Water Pump
- 5.1000A Fresh Water Pump Cover
- 5.2000A Water Outlet Manifold and/or Elbow
- 5.2000B Thermostat
- 5.2000C Water Bypass Tube
- 5.3000A Radiator

5.0000 COOLING SYSTEM (CONT'D)
- 5.3000B Water Connections
- 5.4000A Fan
- 5.4000B Fan Shroud
- 5.5000A Heat Exchanger or Keel Cooling
- 5.6000A Raw Water Pump
- 5.7000A Water Filter

6.0000 EXHAUST SYSTEM
- 6.1000A Exhaust Manifold and/or Connections
- 6.2000A Exhaust Muffler and/or Connections

7.0000 ELECTRICAL INSTRUMENTS
- 7.1000A Battery Charging Generator
- 7.2000A Battery Cables
- 7.2000B Automatic Starting
- 7.2000B Automatic Starting (Twin and Quad)
- 7.3000A Starting Motor
- 7.4000A Instruments
- 7.4000A Instruments (Twin and Quad)
- 7.4000B Tachometer Drive
- 7.4000B Tachometer Drive (Twin and Quad)
- 7.4000C Shutoff, Alarm and O.S. Governor
- 7.4000C Shutoff, Alarm and O.S. Governor (Twin and Quad)
- 7.5000A Power Generator
- 7.6000A Control Cabinet
- 7.6000A Control Cabinet (Twin and Quad)
- 7.7000A Wiring Harness
- 7.8000A Air Heater
- 7.8000A Air Heater (Twin and Quad)
- 7.10000A Hydraulic Governor Solenoid

8.0000 POWER TAKE-OFF
- 8.1000A Power Take-off and/or Clutch
- 8.1000A Power Take-off and/or Clutch (Twin and Quad)
- 8.3000A Torque Converter
- 8.3000A Torque Converter (Twin and Quad)
- 8.3000B Transmission Lines

9.0000 TRANSMISSION AND PROPULSION
- 9.1000A Hydraulic Marine Gear
- 9.1000A Hydraulic Marine Gear (Twin and Quad)
- 9.2000A Reverse and Reduction Gear (mechanical)
- 9.3000A Power Transfer Gear
- 9.3000A Power Transfer Gear (Twin and Quad)
- 9.4000 Transmission—Highway
- 9.7000 Transmission—Off-highway
- 9.9000 Transmission—Rail Car

10.0000 SHEET METAL
- 10.1000A Engine Hood

11.0000 ENGINE MOUNTING
- 11.1000A Engine Mounting and Base
- 11.1000A Engine Mounting and Base (Twin and Quad)

12.0000 MISCELLANEOUS
- 12.2000A Bilge Pump
- 12.3000A Vacuum Pump
- 12.4000A Air Compressor
- 12.5000A Hydraulic Pump
- 12.6000A Gasoline Starter
- 12.6000B Air Starter
- 12.6000C Cold Weather Starting Aid
- 12.6000D Hydraulic Starter
- 12.6000E Hydraulic Starter Accessories
- 12.8000A Supplies
- 12.8000B Fabrication Material
- 12.8000C Miscellaneous Service Kits and Sets
- 12.8000D Miscellaneous Service Parts

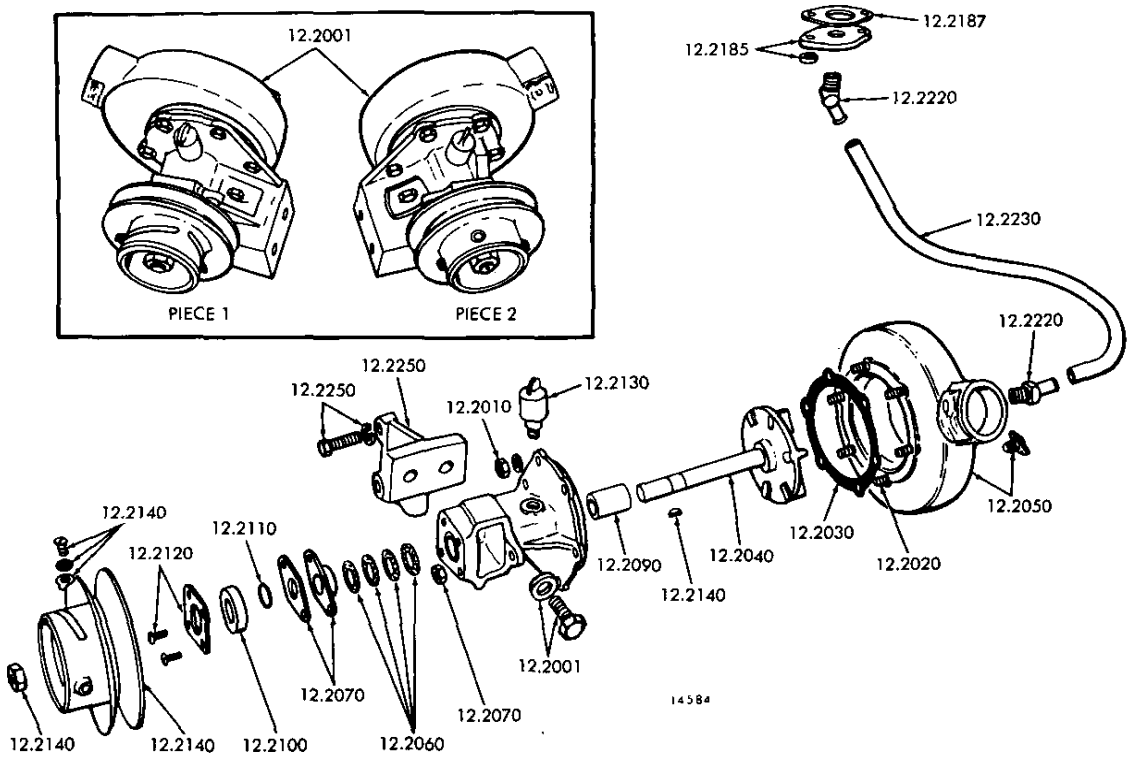


FIG. 1A BILGE PUMP ASSEMBLY

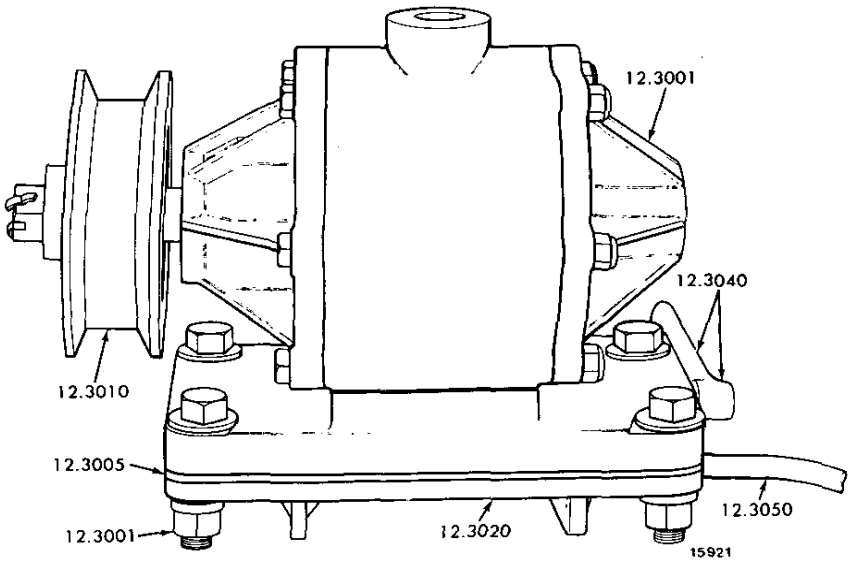


FIG. 3A VACUUM PUMP

Figs. 1A & 3A of 12.0000

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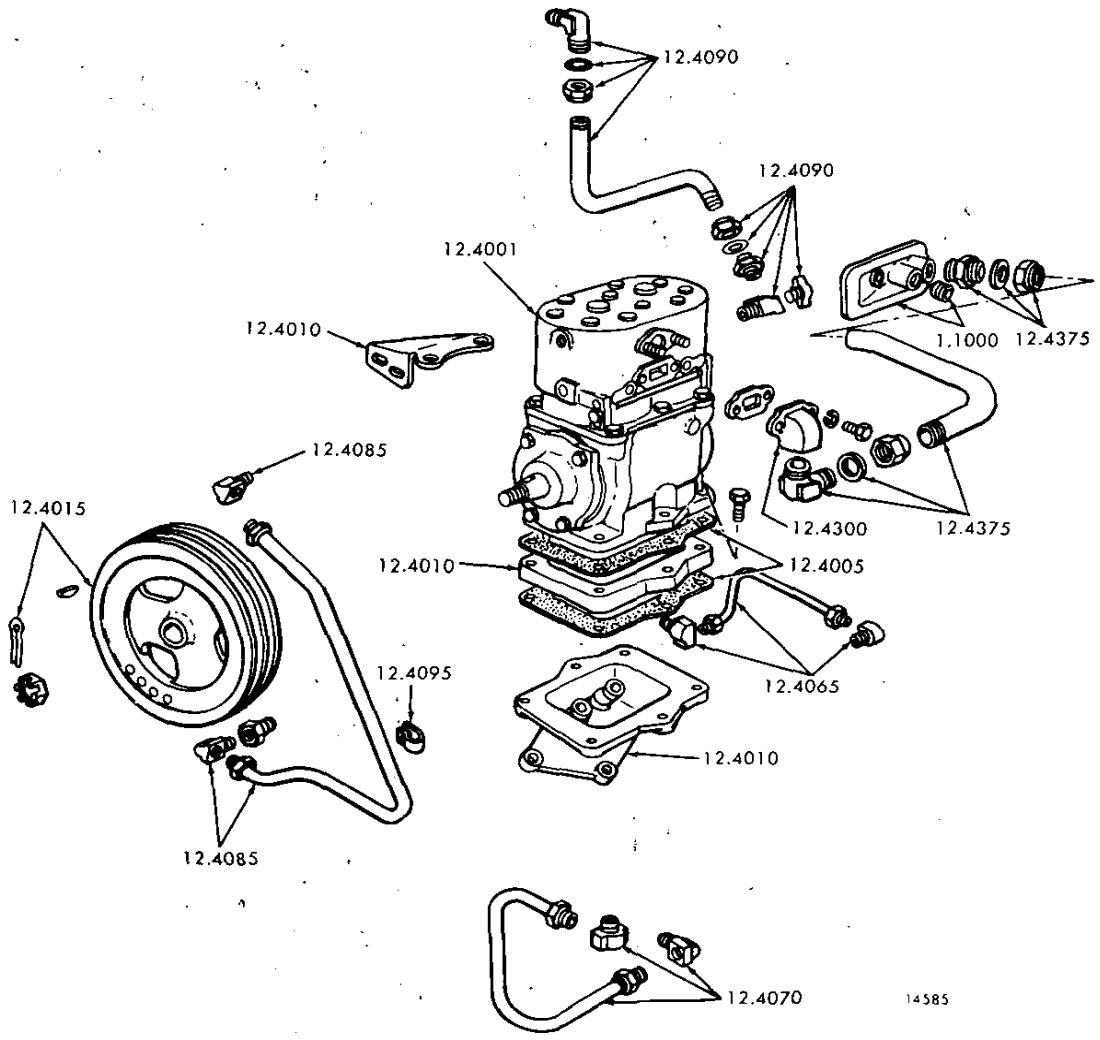


FIG. 3B AIR COMPRESSOR (BELT DRIVEN)

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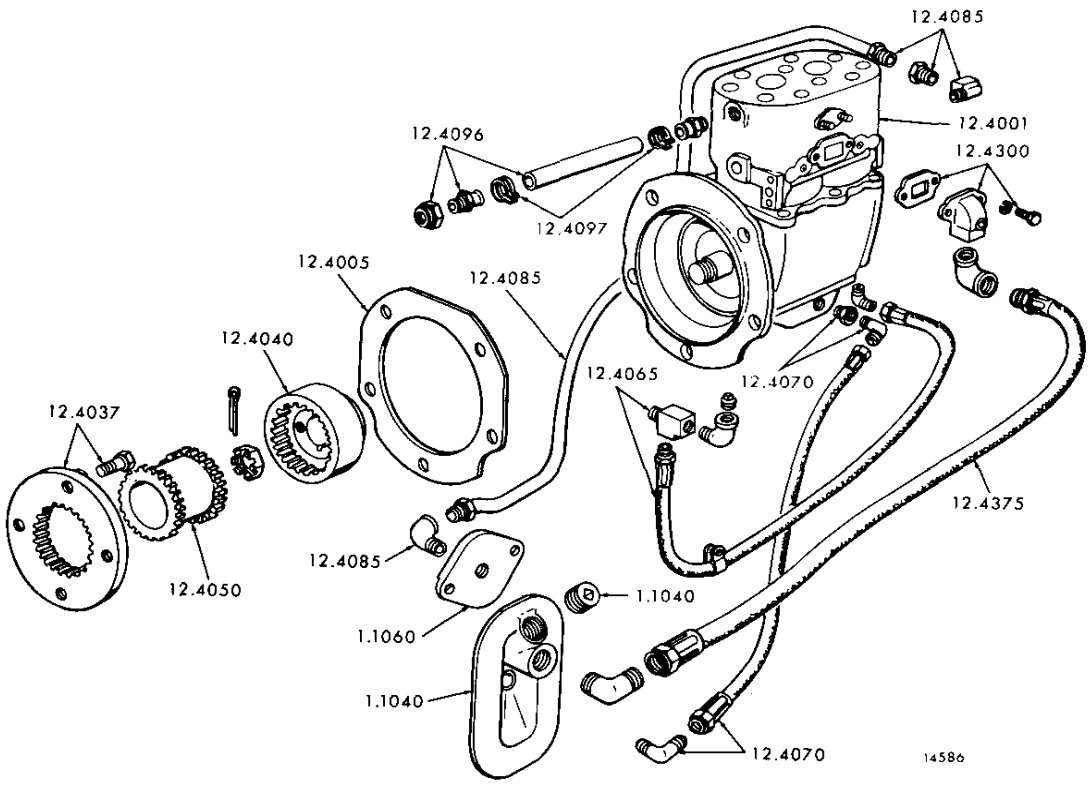


FIG. 3C AIR COMPRESSOR (direct drive)

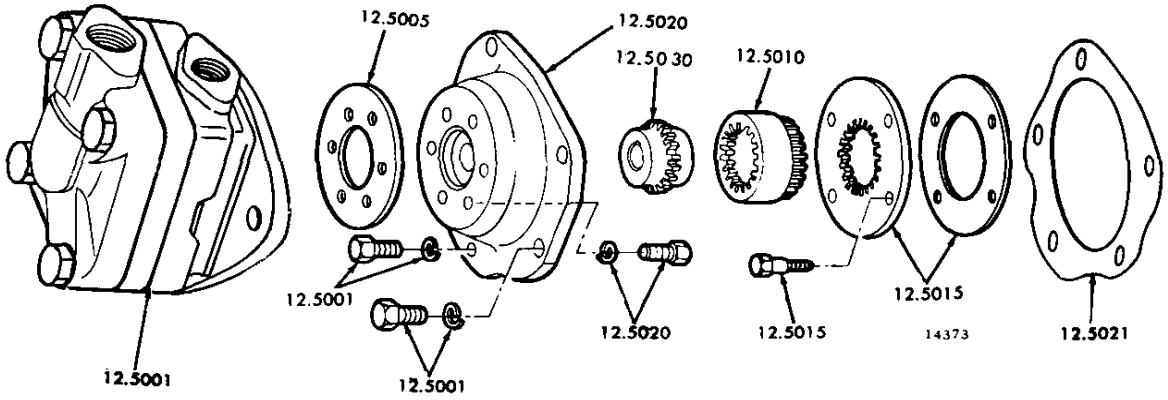


FIG. 4A HYDRAULIC PUMP

Figs. 3C & 4A of 12.0000

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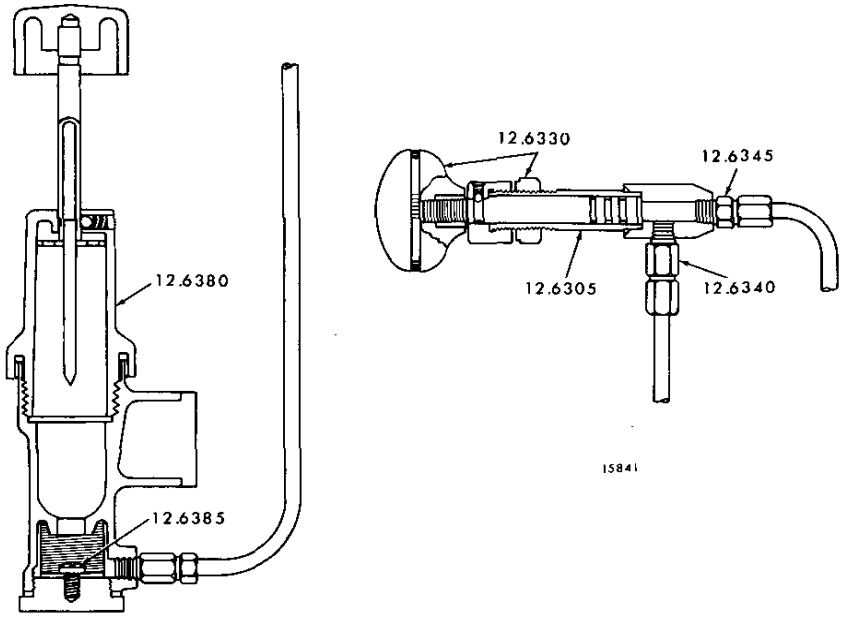


FIG. 5A COLD WEATHER STARTING AID

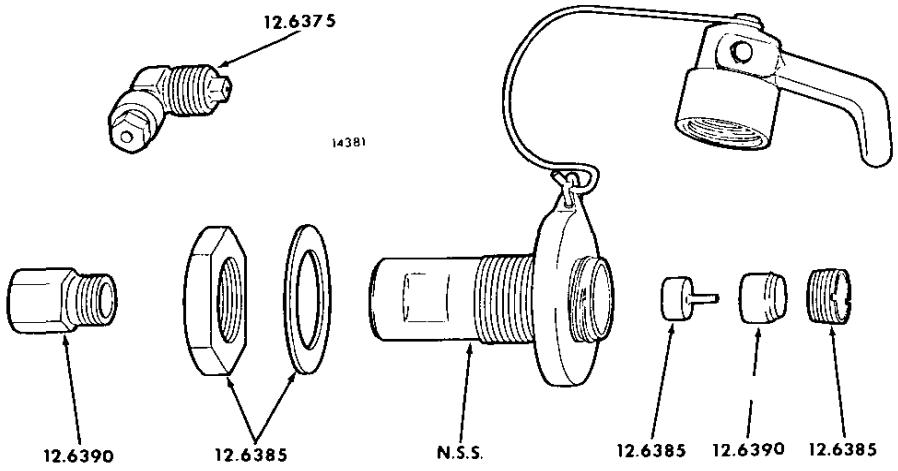


FIG. 5B COLD WEATHER STARTING AID

Figs. 5A & 5B of 12.0000

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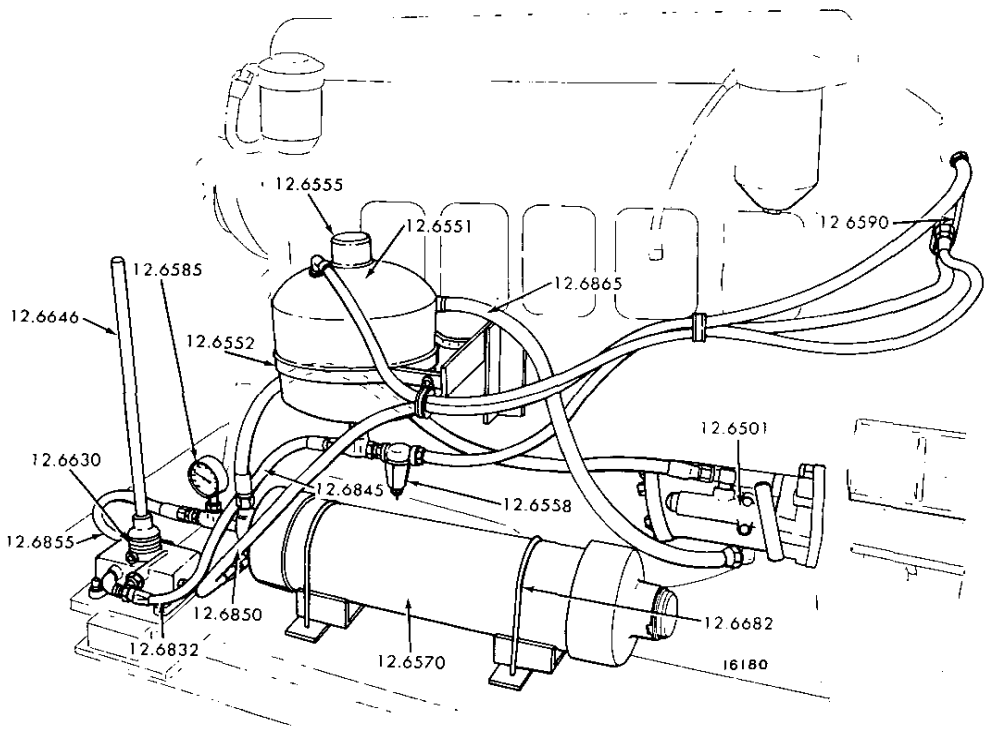


FIG. 5C HYDRAULIC STARTER SYSTEM

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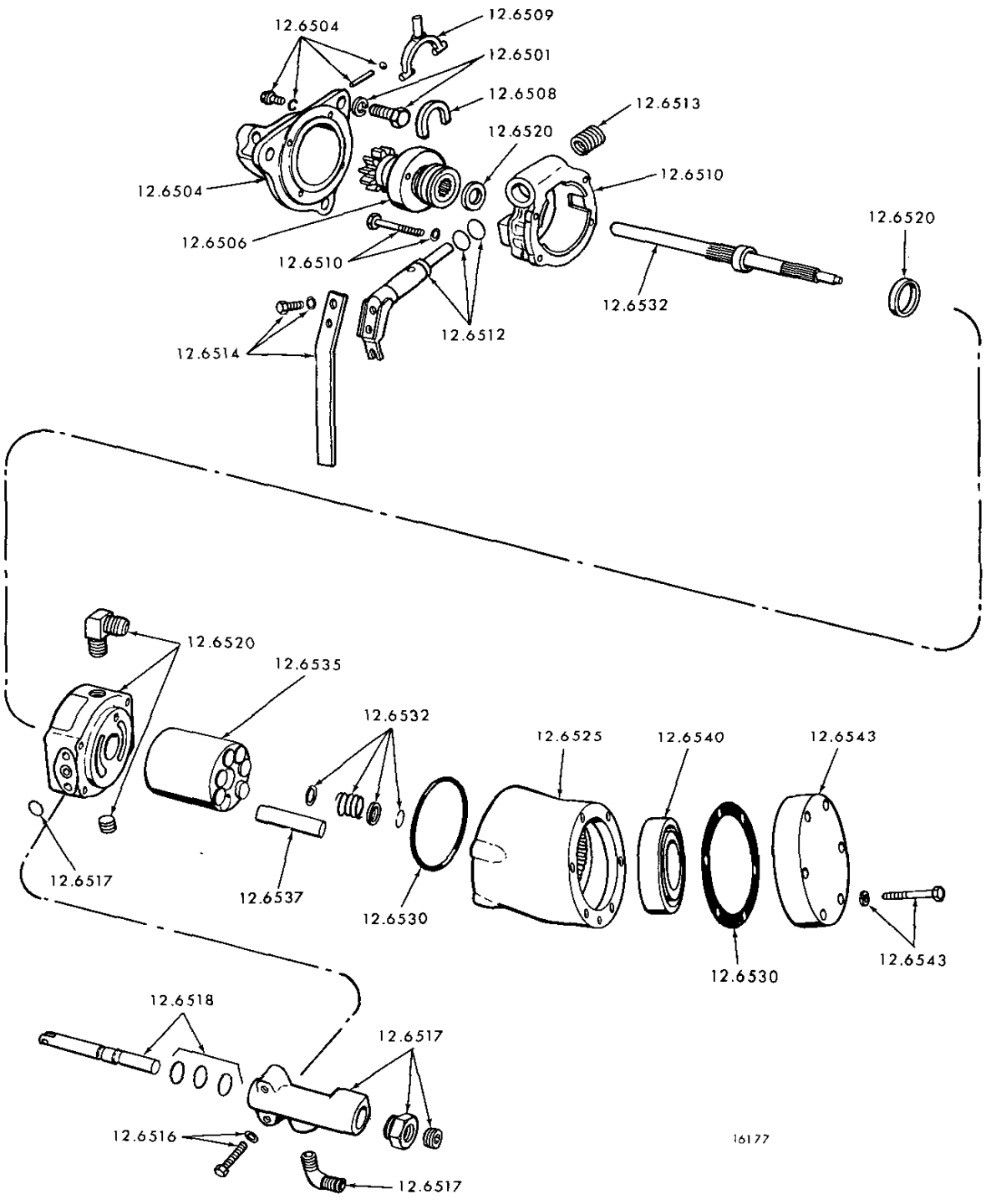
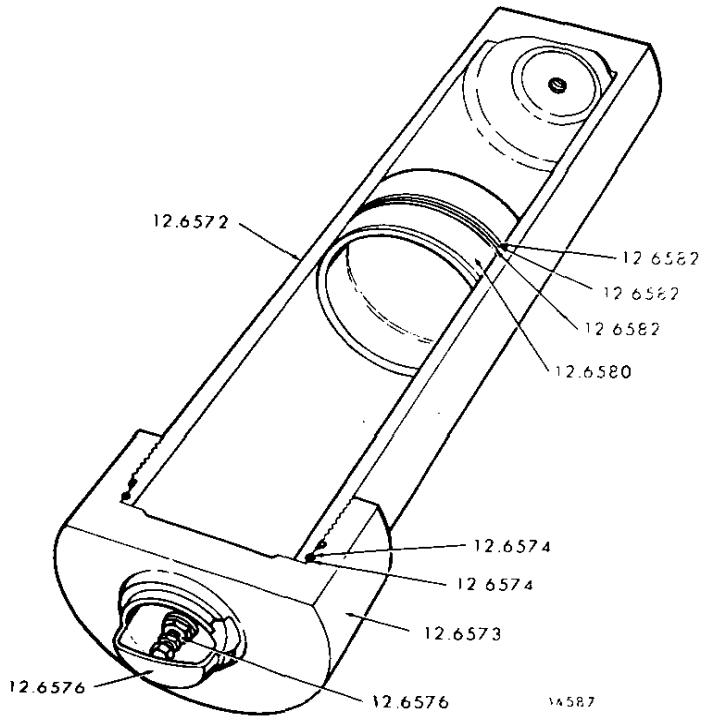


FIG. 6A HYDRAULIC STARTER ASSEMBLY

Fig. 6A of 12.0000

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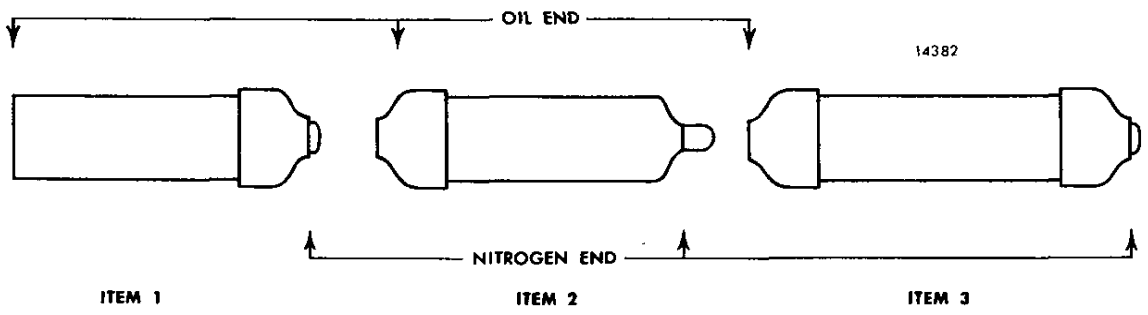


FIG. 6B HYDRAULIC STARTER ACCUMULATOR ASSY. (12.6570)

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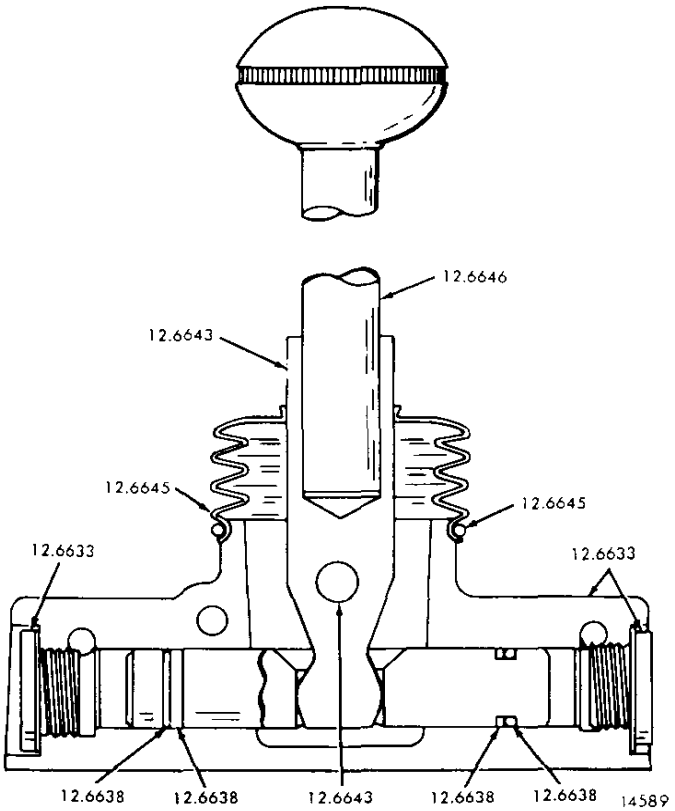


FIG. 6C

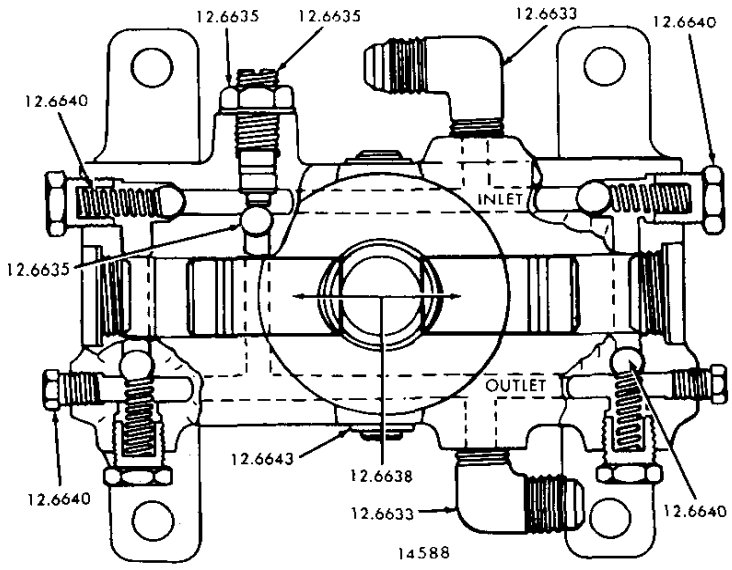


FIG. 6D

HYDRAULIC STARTER HAND PUMP

Figs. 6C & 6D of 12.0000

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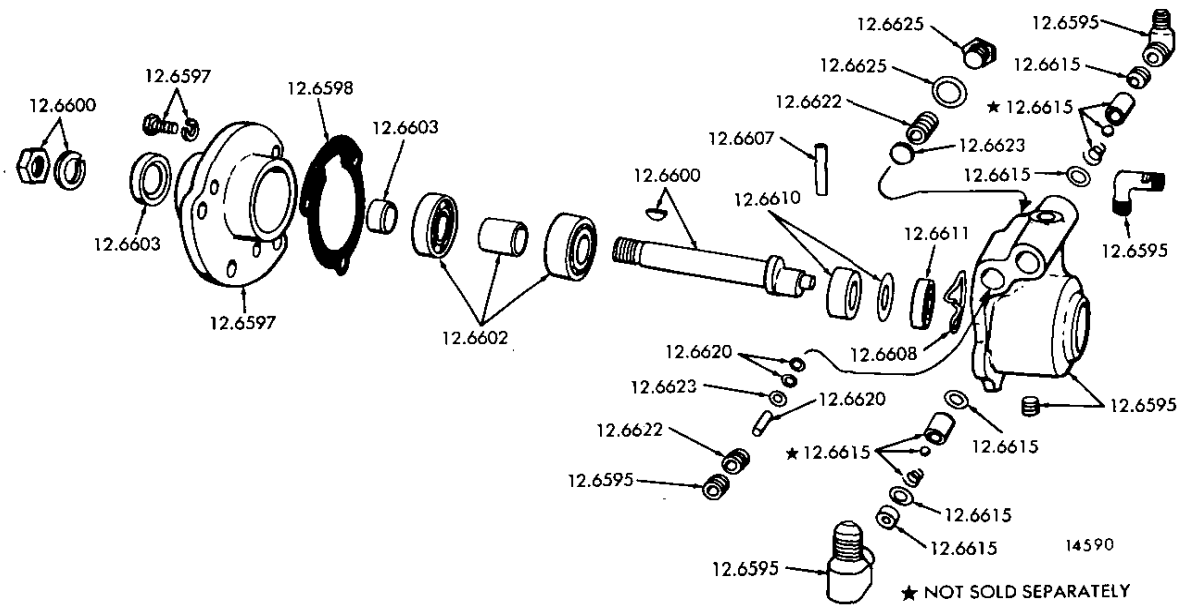


FIG. 6E HYDRAULIC STARTER ENGINE PUMP (Belt Driven)

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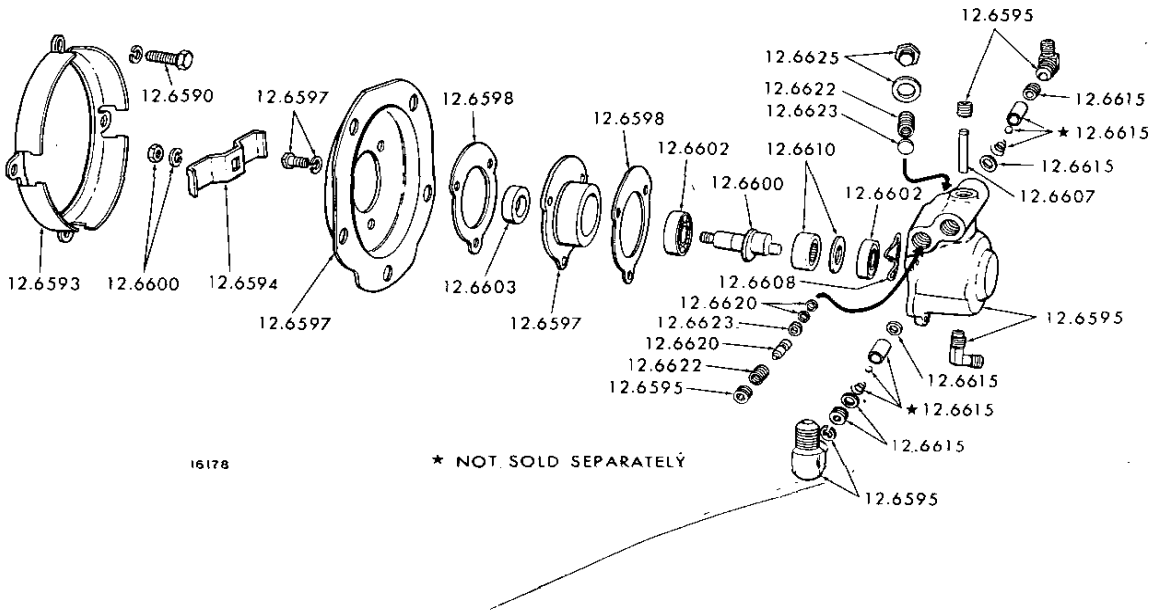


FIG. 6F HYDRAULIC STARTER ENGINE PUMP (Direct Driven)

Fig. 6F of 12.0000

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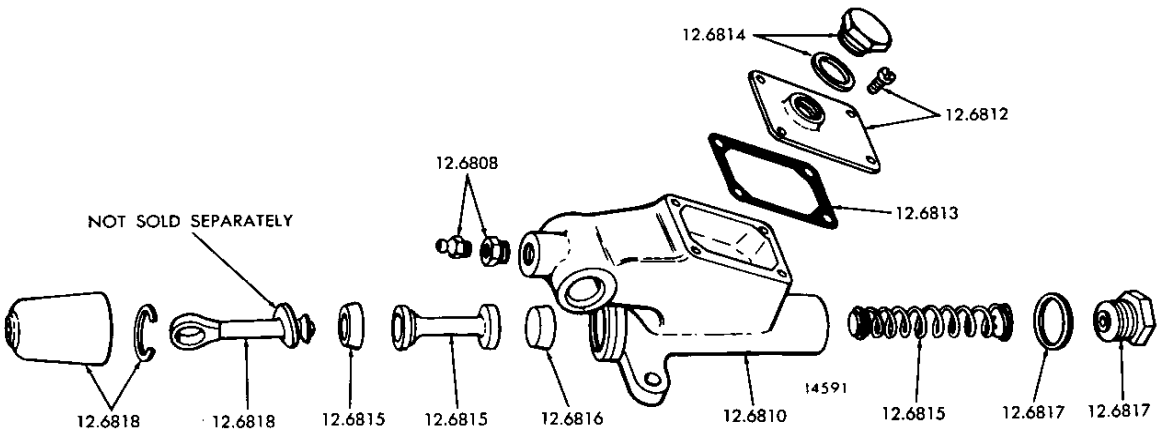


FIG. 7A REMOTE CONTROL MASTER CYLINDER

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12.2000A BILGE PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2 2
		12.2001 - PUMP ASSY., BILGE	
		A PUMP ASSY. INCLUDES ITEMS IN 12.2010 THRU 12.2140.	
1A	**5169979**	PUMP ASSY.	1
		12.2010 - BODY, BILGE PUMP	
1A	**5197519**	BODY	1
1A	**5163834**	WASHER, 5/16" BRASS (5.5600)	6
1A	**220075**	NUT, 5/16"-18 BRASS (12.9120)	6
		12.2020 - STUD, BILGE PUMP BODY	
1A	**5190446**	STUD, 5/16"-18X1 1/16"	6
		12.2030 - GASKET SET, BILGE PUMP	
		A GASKET SET INCLUDES ONE EACH OF .005" AND .010" THICK GASKET.	
1A	**5164528**	+ GASKET SET + OBSOLETE	1
		12.2040 - IMPELLER AND SHAFT ASSY., BILGE PUMP	
		INCLUDES PIN IN 12.2040.	
1A	**5190464**	IMPELLER AND SHAFT ASSY.	1
	5190442	PIN, 3/16"X1 7/16"	1
		12.2050 - HOUSING, BILGE PUMP IMPELLER	
1A	**5190429**	HOUSING	1
1A	**114981**	DRAINCOCK, 1/8" (12.9510)	1
		12.2060 - PACKING, BILGE PUMP SHAFT	
1A	**5160375**	PACKING (5.6170)	4
	5190476	PACKING	1
		12.2070 - GLAND, BILGE PUMP SHAFT PACKING	
1A	**5190439**	GLAND	1
1A	**5190452**	LOCK	1
1A	**122002**	NUT, 5/16"-24 BRASS (12.9120)	2

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12.2000A BILGE PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2 2
		12.2080 - STUD, BILGE PUMP SHAFT PACKING GLAND	
	5190444	STUD, 5/16"-24X1 1/8"	2
		12.2090 - BUSHING, BILGE PUMP SHAFT	
1A	**5164453**	BUSHING	1
		12.2100 - BEARING, BILGE PUMP SHAFT	
1A	**954143**	BEARING (N.D. 88503)	1
		12.2110 - SHIM, BILGE PUMP SHAFT BEARING	
1A	**5190443**	SHIM (.005")	1
		12.2120 - RETAINER, BILGE PUMP SHAFT BEARING	
1A	**5190440**	RETAINER	1
1A	**110570**	SCREW, #10-24X1/2" FIL. HD. BRASS (12.9010)	4
		12.2130 - CUP, BILGE PUMP GREASE	
1A	**5190441**	CUP	1
		12.2140 - PULLEY ASSY., BILGE PUMP DRIVEN	
		A PULLEY ASSY. CONSISTS OF PULLEY AND FLANGE WHICH ARE NOT SERVICED SEPARATELY.	
1A	**5190447**	PULLEY ASSY.	1
1A	**5190450**	LOCK	2
1A	**124546**	KEY, 5/32"X5/8" WOODRUFF (12.9350)	1
1A	**114351**	SCREW, 1/4"-20X3/8" FIL. HD. (12.9010)	2
1A	**103319**	LOCKWASHER, 1/4" (12.9200)	2
1A	**103030**	NUT, 5/8"-18 (12.9120)	1

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11	13	14	15	16	17	18	19	20	22	23	24
		12.3001 - PUMP ASSY., VACUUM												
		NOTE: SERVICE ON COMPONENT PARTS OF VACUUM PUMP ASSEMBLIES IS HANDLED BY BENDIX PRODUCTS DIVISION, SOUTH BEND, INDIANA. (FURNISH THEIR ASSEMBLY PART NUMBER.) ALL ITEMS LISTED IN THIS GROUP ARE SERVICED BY DETROIT DIESEL ALLISON.												
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)										1		
3A	5109065	PUMP ASSY. (CW) (BENDIX NO. 2500948)	1											
3A	5109069	PUMP ASSY. (CCW) (BENDIX NO. 2501042)		1							1			
3A	5173807	+ PUMP ASSY. (CW) (BENDIX NO. 2503199) (8921252-BENDIX #2501454)			1	1	1	1	1	1				
3A	4813276	* PUMP ASSY. (CW) (BENDIX NO. 2501454)											1	
3A	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			4	4	4	4		4				
3A	186626	BOLT, 7/16"-14X1 5/8" (12.9001)	4	4									4	
3A	427567	BOLT, 7/16"-14X1 3/4" (12.9001)									4			
3A	216283	BOLT, 7/16"-20X1 3/4" (12.9001)							4					4
3A	5164360	WASHER, 15/32"X15/16"X5/32" (6.1001)	4	4							4			
3A	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	4
3A	271500	NUT, 7/16"-14 (12.9120)	4	4							4			
3A	456939	NUT, 7/16"-20 (12.9120)							4					4
		* PROCURE FROM CHEVROLET.												
		+ NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.												
		12.3005 - GASKET, VACUUM PUMP												
3A	3291011	GASKET (PUMP TO BRACKET)			1	1	1	1	1	1			1	1
		12.3010 - PULLEY, VACUUM PUMP												
3A	5125494	PULLEY (5.6" DIA.)	1	1							1			
	5126187	PULLEY (4" DIA., 2 GROOVES)			1	1	1	1		1			1	
	5109589	+ PULLEY (4.50" DIA., 2 GROOVES)							1					
	5173187	+ PULLEY (4.50" DIA., 2 GROOVES)												1
3A	108635	PIN, 1/8"X1 1/8" COTTER (12.9250)	1	1	1	1	1	1	1	1	1		1	1
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1	1	1	1	1	1	1	1	1		1	1
3A	122761	NUT, 1/2"-20 (12.9130)	1	1	1	1	1	1	1	1	1		1	1
		+ OBSOLETE.												
		12.3020 - SUPPORT, VACUUM PUMP												
	5125800	BRACKET	1	1							1			
	5125658	* BRACKET (12.4010) (5145594)			1		1			1		1	1	
	5125659	* BRACKET (12.4010) (5145711)				1		1						

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11	13	14	15	16	17	18	19	20	22	23	24
		12.3020 - SUPPORT, VACUUM PUMP (CONT'D)												
	5128005	BRACKET (12.4010)							1					
	5109981	# BRACKET												1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)							1					1
	179839	BOLT, 3/8"-16X1" (12.9001)									3			
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	3	3										
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			5	5	5	5	1	5		5	5	1
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)							2					2
	5108435	WASHER, 3/8" (12.4010)							2					2
	103320	LOCKWASHER, 5/16" (12.9200)							1					
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
		* NOT SERVICED: USE BRACKET SHOWN IN PARENTHESES PLUS 2-427564 BOLTS, 1-5157244 BOLT AND 2-103322 LOCKWASHERS.												
		# NOT SERVICED: USE 5145415 BRACKET AND INCLUDE 2-9409239 BOLTS, 2-5136821 SHIMS AND 2-5136906 SHIMS.												
		12.3030 - BELT, VACUUM PUMP DRIVE												
	5124432	BELT (31.20"L.X.380"W.) (7.1575)	2											
	5181329	BELT SET (2 BELTS, 32"L.X.38"W.) (7.1575)									1			
	5133175	BELT SET (2 BELTS, 39"L.X.38"W.) (5.1215)		1										
		12.3040 - TUBE, VACUUM PUMP OIL SUPPLY												
	NPN	TUBE ASSY. (CUSTOMER FURNISHED)											1	
	5131253	TUBE ASSY., 5/16" I.D. X 14" L., FLEX.	1	1							1			
	5143849	TUBE ASSY., DEV. L. 27.00" (12.4065)			1		1			1		1		
	5127906	* TUBE ASSY., DEV. L. 18.56" (12.4065)				1		1						
	5131828	HOSE ASSY., 1/4" I.D. X 20" L. (12.4065)							1					1
	3741341	@ HOSE ASSY.											1	
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)		1										
	118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9480)							1					
	9432337	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)												1
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)			1		1			1		1		
	143337	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)	1											

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11	13	14	15	16	17	18	19	20	22	23	24
		12.3040 - TUBE, VACUUM PUMP OIL SUPPLY (CONT'D)												
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	1		1	2	1	2		1	1	1		
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)							1					1
	9432264	CONNECTOR, 5/16" FL. TUBE, 1/4" P.T. (12.9380)		1							1	1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)							1					
		* PROCURE FROM CHEVROLET.												
		@ NOT SERVICED; USE 5143848 TUBE AND INCLUDE (2) 5177492 ELBOWS, (2) 5177493 SEALS AND (2) 5177490 NUTS.												
		12.3050 - TUBE, VACUUM PUMP OIL DRAIN												
	3771446	* HOSE											1	
	5129157	@ HOSE, #8 X 23" L. (8.3830)									1			
	5135293	# @ HOSE, #10 X 11 1/2" L. (2.5060)				1	1			1				
	5135293	& @ HOSE, #10 X 15" L. (2.5060)					1					1		
	5135293	@ HOSE, 10" X 5/8" I.D. (2.5060)			1		1		1					
	5199772	@ HOSE, 15" X 1/2" I.D.	1											
	5199772	@ HOSE, 17" X 1/2" I.D.		1										
	5135293	@ HOSE, 5/8" I.D. X 12 1/2" L. (2.5060)						1						1
	5120020	FITTING, 1/2" HOSE, 3/8"-16 THD. (12.4085)									1			
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PT. (12.4090)									1			
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PT. (12.6692)			1	1	1	1	1	1		1		1
	5113192	FITTING, 5/8" HOSE, 7/8"-14 THD. (12.6689)			1	1	1	1	1	1		1		1
	109421	NIPPLE, 3/8"X1 1/2" PIPE (12.9560)	1								1			
	2194031	NIPPLE, 1/2" HOSE X 3/8" P.T.	2	2										
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)		2										
3A	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)									1			
3A	109429	ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)			1	1	1	1	1			1		1
3A	442343	ELBOW, 5/8" INV. FL. TUBE 90 DEG. (12.9480)											1	
3A	9402801	# ELBOW, 5/8"-45 DEG. PIPE (12.9600)					1			1				
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)				1	1							
	9139801	CLAMP, 3/4" DIA. HOSE (12.9660)	2	2										
	5163529	CLIP, 5/16" TUBE					1			1		1		

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11	13	14	15	16	17	18	19	20	22	23	24
		12.3050 - TUBE, VACUUM PUMP OIL DRAIN (CONT'D)												
	105248	CLIP, 7/16" TUBE (12.9630)									1			
	5151189	CLIP (3/4" TUBE) (4.8040)									1			
	5182993	BRACKET (CLIP 90 DEG.) (7.4525)									1			
	186676	BOLT, 1/4"-20X5/8" (12.9001)									1			
	179835	BOLT, 3/8"-16X1/2" (12.9001)									1			
	103319	LOCKWASHER, 1/4" (12.9200)									1			
	103321	LOCKWASHER, 3/8" (12.9200)									1			
	120375	NUT, 1/4"-20 (12.9120)									1			

* PROCURE FROM CHEVROLET.
FOR TYPE 16 USE OIL PAN TYPE 297 IN 4.7000A.
@ STD LENGTH HOSE; CUT TO LENGTH SHOWN.
& FOR TYPE 16, USE WITH OIL PAN TYPE 246 IN 4.7000A.

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 25	27	28	30	31	32	33	40	42	43	44
		12.3001 - PUMP ASSY., VACUUM											
		NOTE: SERVICE ON COMPONENT PARTS OF VACUUM PUMP ASSEMBLIES IS HANDLED BY BENDIX PRODUCTS DIVISION, SOUTH BEND, INDIANA. (FURNISH THEIR ASSEMBLY PART NUMBER.) ALL ITEMS LISTED IN THIS GROUP ARE SERVICED BY DETROIT D IESEL ALLISON.											
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)			1		1						
3A	5173807	+ PUMP ASSY. (CW) (BENDIX NO. 2503199) (8921252-BENDIX #2501454)	1	1		1	1		1	1	1	1	1
3A	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				4					4	4	
3A	186645	BOLT, 7/16"-20X1 1/4" (12.9001)	2	4			2						
3A	181399	BOLT, 7/16"-20X1 3/8" (12.9001)	2				2						
3A	216283	BOLT, 7/16"-20X1 3/4" (12.9001)							4				
3A	103342	WASHER, 7/16" (12.9190)	2				2						
3A	103322	LOCKWASHER, 7/16" (12.9200)	4	4		4	4		4		4	4	4
3A	456939	NUT, 7/16"-20 (12.9120)							4				
		+ NOT SERVICED, FOR SERVICE USE PART NUMBER SHOWN IN PARENTHESES.											
		12.3005 - GASKET, VACUUM PUMP											
3A	3291011	GASKET (PUMP TO BRACKET)	2	1		1	2		1		1	1	
		12.3010 - PULLEY, VACUUM PUMP											
	5126187	PULLEY (4" DIA., 2 GROOVES)	1	1		1	1	1		1	1	1	
	5162965	PULLEY (4" DIA., 2 GROOVES)							1				
3A	5145219	+ PULLEY (4 5/8" DIA.)											1
3A	108635	PIN, 1/8"X1 1/8" COTTER (12.9250)	1	1		1	1	1	1				
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)	1	1		1	1	1	1				
3A	122761	NUT, 1/2"-20 (12.9130)	1	1		1	1	1	1				
		+ OBSOLETE.											
		12.3020 - SUPPORT, VACUUM PUMP											
	5100136	ADAPTOR, 1/8" PIPE (12.9570)											1
	5125800	BRACKET			1								
	5125658	* BRACKET (12.4010) (5145594)	1			1					1		
	5125659	* BRACKET (12.4010) (5145711)					1					1	
	5109981	# BRACKET							1				
	5130845	BRACKET (MOUNTING PLATE)		1									
	5136457	% BRACKET											1
	5130236	PLATE, ADAPTOR	1				1						
	5130844	PLATE (MOUNTING)		1									
	5164294	SPACER, 13/32" X 7/8" X 1/8" (7.1581)		2								4	

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 25	27	28	30	31	32	33	40	42	43	44
		12.3020 - SUPPORT, VACUUM PUMP (CONT'D)											
	5137037	SUPPORT											1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)							1				
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)	2				2						
	179839	BOLT, 3/8"-16X1" (12.9001)		4									
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			3								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	5			5	5		1		5	5	4
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)							2				
	186277	BOLT, 3/8"-16X2 3/8" (12.9001)											2
	181365	BOLT, 3/8"-24X1 1/8" (12.9001)		4									
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	2				2						
	5108435	WASHER, 3/8" (12.4010)							2				
	103320	LOCKWASHER, 5/16" (12.9200)	2				2		1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR		AR		AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)	2				2						
		* NOT SERVICED; USE BRACKET SHOWN IN PARENTHESES PLUS 2-427564 BOLTS, 1-5157244 BOLT AND 2-103322 LOCKWASHERS.											
		# NOT SERVICED; USE 5145415 BRACKET AND INCLUDE 2-9409239 BOLTS, 2-5136821 SHIMS AND 2-5136906 SHIMS.											
		% OBSOLETE.											
		12.3030 - BELT, VACUUM PUMP DRIVE											
	9433877	BELT (36"L.X.500"W.) (7.1575)		1									
	5137110	BELT (2 BELTS, 38"L.X.38"W.)											1
		12.3040 - TUBE, VACUUM PUMP OIL SUPPLY											
	5131253	TUBE ASSY., 5/16" I.D. X 14" L., FLEX.					1						
	5143849	TUBE ASSY., DEV. L. 27.00" (12.4065)				1					1		
	5143848	* TUBE, DEV. L. 22.00"										1	
	5131828	HOSE ASSY., 1/4" I.D. X 20" L. (12.4065)							1				
	3290514	HOSE ASSY., 1/4" I.D. X 18" L. (2.5215)	1					1					
	5126693	HOSE ASSY., 3/16" I.D. X 29" L. (12.4065)		1									
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)							1				
	118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9480)		1					1				1
	190367	ELBOW, 1/4"-90 DEG. STREET (12.9590)		1									
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)				1							
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)	2		1	1	2						

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 25	27	28	30	31	32	33	40	42	43	44
		12.3040 - TUBE, VACUUM PUMP OIL SUPPLY (CONT'D)											
	5177492	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9425)									1	1	
	5177493	SEAL RING, 5/16" TUBE (12.9435)									1	1	
	116436	CONNECTOR, 1/4" FL. TUBE X 1/4" P.T. (12.9380)		1									
	9432264	CONNECTOR, 5/16" FL. TUBE, 1/4" P.T. (12.9380)					1						
	9409943	TEE (1/8" PIPE) (7.4586)		1									
	112877	BUSHING, 1/4" X 1/8" RED. (12.9570)	1						1				1
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)									1	1	
		* NOT SERVICED. FOR SERVICE USE 15" LENGTH OF 5199575 BULK HOSE PLUS (2) 9432248 ELBOWS, (2) 5199579 FITTINGS, (1) 2488022 CLIP, (1) 5100136 ADAPTOR.											
		12.3050 - TUBE, VACUUM PUMP OIL DRAIN											
	5135293	@ HOSE, #10 X 11 1/2" L (2.5060)									1		
	5135293	@ HOSE, #10 X 15" L (2.5060)	1			1							
	5135293	@ HOSE, 10" X 5/8" I.D. (2.5060)					1		1				
	5135293	@ HOSE, 5/8" I.D. X 28" L (2.5060)		1								1	
	5137105	HOSE ASSY., #4X11.50"L											1
	5144086	HOSE ASSY., #10X11.50"L											1
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PT. (12.6692)	1	1		1	1		1		1	1	
	5113192	FITTING, 5/8" HOSE, 7/8"-14 THD. (12.6689)	1	1		1	1		1		1	1	
3A	2325715	ELBOW, 1/2"-90 DEG. (3.5505)	1										
3A	137895	ELBOW, 1/2" STREET 45 DEG. (12.9590)		1									
3A	127849	ELBOW, 1/2" STREET 90 DEG. (12.9590)										1	
3A	109429	ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)				1	1		1				
3A	9402801	ELBOW, 5/8"-45 DEG. PIPE (12.9600)	1	1							1	1	1
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)									1		
	5163529	CLIP, 5/16" TUBE				1	1				1	1	
	5177623	CLIP, 3/8" TUBE (2.5120)					1						
	140571	CLIP, 1/2" TUBE (12.9630)	1										
	140582	CLIP, 1/2" TUBE (12.9630)		1									
	5165244	CLIP, 7/8" TUBE (4.8040)		1								2	
	5173022	BRACKET, CLIP (5.5379)		1									
	5157412	SPACER, 7/8" X 1/4" (7.4013)	1				1						
	181595	BOLT, 5/16"-24X3/4" (12.9001)		1									
	179839	BOLT, 3/8"-16X1" (12.9001)	1				1						
	120393	WASHER, 5/16" (12.9190)		1									
	103320	LOCKWASHER, 5/16" (12.9200)		1									
	114493	NUT, 5/16"-24 (12.9120)		1									

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 25	27	28	30	31	32	33	40	42	43	44
		12.3050 - TUBE, VACUUM PUMP OIL DRAIN (CONT'D)											
		@ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.											

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 45	46	47	48	49	50	53	54	56	57	58	59	60
		12.3001 - PUMP ASSY., VACUUM													
		NOTE: SERVICE ON COMPONENT PARTS OF VACUUM PUMP ASSEMBLIES IS HANDLED BY BENDIX PRODUCTS DIVISION, SOUTH BEND, INDIANA. (FURNISH THEIR ASSY. PART NUMBER.) ALL ITEMS LISTED IN THIS GROUP ARE SERVICED BY DETROIT DIESEL ALLISON.													
3A	5173807	* PUMP ASSY. (CW) (BENDIX NO. 2503199)		1											
3A	8921252	PUMP ASSY. (CW) (BENDIX NO. 2501454)	1		1	1	1	1	1		1	1	1	1	1
3A	5105182	PUMP ASSY. (NO. 2253076)								1					
	193221	BOLT, 7/16"-14 X 1 1/4" (12.9001)							4		4			4	
	427567	BOLT, 7/16"-14X1 3/8" (12.9001)		4	4	4	4	4		4		4			
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)					2								
	181396	BOLT, 7/16"-20 X 1 1/8" (12.9001)					1						2		
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)	4												4
	181399	BOLT, 7/16"-20X1 3/8" (12.9001)											2		
	103342	WASHER, 7/16" (12.9190)					2						2		
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	456939	NUT, 7/16"-20 (12.9120)	4												4
		* NOT SERVICED, FOR SERVICE USE 8921252 PUMP ASSY.													
		12.3005 - GASKET, VACUUM PUMP													
3A	5131939	GASKET (PUMP TO BRACKET)	1	1	1	1	2	1	1	1	1	1	2	1	1
		12.3010 - PULLEY, VACUUM PUMP													
3A	5162985	PULLEY (4" DIA., 2 GROOVES)	1												1
3A	5126187	PULLEY (4" DIA., 2 GROOVES)		1	1	1	1	1	1	1	1	1	1	1	
	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)			1			1			1	1			
		12.3020 - SUPPORT, VACUUM PUMP													
	5145711	BRACKET		1	1							1			
	5145594	BRACKET				1	1	1	1	1	1		1	1	
	5145415	SUPPORT	1												1
	5130236	PLATE, ADAPTOR (.90 FORWARD)					1						1		
	5136906	SHIM (.005")	1												1
	5136821	SHIM (.002")	1												1
	186505	BOLT, 5/16"-24X1 1/4" (12.9001)					2								
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	1	4	4	4	4		4						
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						4		4	4	4	4	4	1
	9409239	BOLT, 3/8"-16X1 3/4" (12.9001)	2												2
	5157244	BOLT, 3/8"-16X1 3/4" SPL. (12.9001)		1	1	1	1	1	1	1	1	1	1	1	
	186624	BOLT, 15/16"-18X1 1/4" (12.9001)	1												1
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)											2		
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)											2		
	5108435	WASHER, 3/8" (12.4010)	2												2
	103320	LOCKWASHER, 5/16" (12.9200)	AR				AR						AR		AR

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 45	46	47	48	49	50	53	54	56	57	58	59	60
		12.3020 - SUPPORT, VACUUM PUMP (CONT'D)													
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)											2		
		12.3040 - TUBE, VACUUM PUMP OIL SUPPLY													
	5143848	= TUBE (DEV. L. 18.56") (12.4065)		1	1										
	5131828	HOSE ASSY. (1/4"I.D.X20"L.) (12.4065)	1												1
	3290514	HOSE ASSY.					1						1		
	5199575	% HOSE, #6 BULK (CUT L. 10.50") (12.8550)				1		1							
	5199575	% HOSE, #6 BULK (CUT L. 12") (12.8550)							1						
	5199575	% HOSE, #6 BULK (CUT L. 22.5") (12.8550)								1					
	5199575	% HOSE, #6 BULK (CUT L. 17.0") (12.8550)									1	1		1	
	5199579	FITTING, #6 HOSE (STRAIGHT)(12.8552)				2		2	2	1	2	2		2	
	5199593	FITTING, #6 HOSE (12.8552)								1					
	5146648	PLUG, 1/2"-14" HEX. SKT. HD. (1.3162)	1												1
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1												1
	118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9480)	1												1
	5177492	ELBOW, 5/16" TUBE 90 DEG. SEALASTIC (12.9425)		2	2										
	225815	ELBOW, 5/16" FL. TUBE 90 DEG., 1/8" P.T. (12.9480)							2				2		
	9432248	ELBOW, 3/8" INV. FL. TUBE (12.9480)				2		2	2	1	2	2		2	
	193004	ELBOW, 3/8" INV. FL. TUBE (12.9480)								1					
	5177493	SEAL RING, 5/16" TUBE (12.9435)		2	2										
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)	1				1						1		1
	5157412	SPACER, 7/8"X1/4" (7.4013)											1		
	5100136	ADAPTOR, 1/8" PIPE (12.9570)				1		1	1		1			1	
	5100136	ADAPTOR, 1/8" PIPE (12.9570)										1			
	444000	ADAPTOR, 1/4"-18 (12.9480)								1					
	179839	BOLT, 3/8"-16X1" (12.9001)											1		
	103321	LOCKWASHER, 3/8" (12.9200)											1		
	2488022	CLIP, #6 HOSE (12.8554)				1		1	1	1	1	1		1	
	140571	CLIP, 1/2" CLOSED (12.9630)											1		
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)		2	2										
		= NOT SERVICED; USE CUT 15" LENGTH 5199575 BULK HOSE PLUS (2) 9432248 ELBOWS, (2) 5199579 FITTINGS, (1) 2488022 CLIP, AND (1) 5100136 ADAPTOR.													
		% BULK HOSE, CUT TO LENGTH SHOWN.													
		12.3050 - TUBE, VACUUM PUMP OIL DRAIN													
	5135293	* HOSE, 5/8" I.D. X 11 1/2" L. (2.5060)	1	1	1	1	1	1	1	1		1		1	1
	5135293	* HOSE, 5/8" I.D. X 16" L. (2.5060)									1				
	5135293	* HOSE, 5/8" I.D. X 15" L. (2.5060)											1		
	5113215	FITTING (5/8" HOSE, 1/2" EXT. PT.) (12.4090)	1	1	1	1	1	1	1	1	1	1	1	1	1
	5113192	FITTING (5/8" HOSE, 7/8"-14 THD.) (12.6689)	1	1	1	1	1	1	1	1	1	1	1	1	1
	127849	ELBOW, 1/2" STREET 90 DEG. (12.9590)		1											
	9402801	ELBOW, 5/8"-45 DEG. PIPE (12.9600)	1	1	1	1	1	1	1	1	1	1	1	1	1
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)			1				1		1	1		1	
	5163529	CLIP, 5/16" TUBE (4.8040)		1	1										
	140571	CLIP, 1/2" TUBE (12.9630)					1								
	5165244	CLIP, 7/8" TUBE (4.8040)		2											
	5157412	SPACER, 7/8" X 1/4" (7.4013)					1								
	179839	BOLT, 3/8"-16X1" (12.9001)					1								

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 45	46	47	48	49	50	53	54	56	57	58	59	60
		12.3050 - TUBE, VACUUM PUMP OIL DRAIN (CONT'D)													
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.													
		12.4305 - GOVERNOR, AIR COMPRESSOR													
	5144307	KIT, GOVERNOR (INCLUDES ATTACHING PARTS)								1					

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12.3000A VACUUM PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 6	1
	12.3001 - PUMP ASSY., VACUUM			
		NOTE: SERVICE ON COMPONENT PARTS OF VACUUM PUMP ASSEMBLIES IS HANDLED BY BENDIX PRODUCTS DIVISION, SOUTH BEND, INDIANA. (FURNISH THEIR ASSY. PART NUMBER.) ALL ITEMS LISTED IN THIS GROUP ARE SERVICED BY DETROIT DIESEL ALLISON.		
3A	**8921252**	PUMP ASSY. (CW) (BENDIX NO. 2503199)		1
	427567	BOLT, 7/16"-14X1 3/8" (12.9001)		4
	103322	LOCKWASHER, 3/8" (12.9200)		AR
	12.3005 - GASKET, VACUUM PUMP			
3A	**5131939**	GASKET (PUMP TO BRACKET)		1
	12.3010 - PULLEY, VACUUM PUMP			
3A	**5126187**	PULLEY (4" DIA., 2 GROOVES)		1
	103385	PIN, 1/8"X1 1/4" COTTER (12.9250)		1
	12.3020 - SUPPORT, VACUUM PUMP			
	5145594	BRACKET		1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4
	5157244	BOLT, 3/8"-16X1 3/4" SPL. (12.9001)		1
	103321	LOCKWASHER, 3/8" (12.9200)		AR
	12.3040 - TUBE, VACUUM PUMP OIL SUPPLY			
	5199575	% HOSE, #6 BULK (CUT L. 17.0") (12.8550)		1
	5199579	FITTING, #6 HOSE (STRAIGHT) (12.8552)		2
	9432248	ELBOW, 3/8" INV. FL. TUBE (12.9480)		2
	5100136	ADAPTOR, 1/8" PIPE (12.9570)		1
	2488022	CLIP, #6 HOSE (12.8554)		1
		% BULK HOSE, CUT TO LENGTH SHOWN.		
	12.3050 - TUBE, VACUUM PUMP OIL DRAIN			
	5135293	* HOSE, 5/8" I.D. X 11 1/2" L. (2.5060)		1
	5113215	FITTING, 5/8" HOSE, 1/2" EXT. PT. (12.4090)		1
	5113192	FITTING, 5/8" HOSE, 7/8"-14 THD. (12.6689)		1
	9402801	ELBOW, 5/8"-45 DEG. PIPE (12.9600)		1
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 210	211	216	217	226	227	231	233	241	258	265	266
	12.4001 - COMPRESSOR ASSY., AIR													
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)												1
3B	**5110404**	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226434)	1		1					1			1	
3B	**5131511**	@ # COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277056)	1		1					1			1	
3B	**5145614**	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)	1		1					1			1	
3B	**5110405**	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226433)		1		1								
3B	**5131512**	@ # COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277055)		1		1								
3B	**5145615**	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)		1		1								
3B	**2370584**	# * COMPRESSOR ASSY. (12 CFM) (B.W. 228320)					1	1						
3B	**5145616**	+ @ COMPRESSOR ASSY. (12 CFM) (B.W. 277057) (5102066-B.W. #285924)					1	1						
3C	**5144300**	= COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N5504B)					1							
3B	**5118886**	* COMPRESSOR ASSY. (12 CFM) (B.W. 228321)							1		1			
	5101405	COMPRESSOR ASSY. (12 CFM) (B.W. 286692)							1					
3B	**5102067**	@ COMPRESSOR ASSY. (12 CFM) (B.W. 285923)							1		1			
3B	**5110403**	= COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226435) (5106140-M.R. #N5504B)										1	4	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)												
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	4	4	4	4	4	4			4	1		
	427570	BOLT, 7/16"-14X2" (12.9001)							4	4				
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)										2		
	186689	BOLT, 1/2"-13X2" (12.9001)										1		
	5150568	WASHER, 7/16" COPPER (2.4050)											4	
	5164360	WASHER, 15/32" (6.1001)											4	
	103322	LOCKWASHER, 7/16" (12.9200)	4	4	4	4	4	4	4	4	4			
	456939	NUT, 7/16" (12.9120)							4	4				
		* THRU 4D-9762, 6D-3027. NOT SERVICED, USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.												
		@ EFFECTIVE WITH 4D-9763, 6D-3028.												
		# NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.												
		= USE 5145014 AND 5145009 PLUGS AS REQUIRED.												
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.												
	12.4005 - GASKET, AIR COMPRESSOR MOUNTING													
	5131939	GASKET	1	1	1	1	1	1	1	1	1		1	
	2070614	GASKET										1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 210	211	216	217	226	227	231	233	241	258	265	266
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5125658	% BRACKET (5145594)	1		1						1			
	5125659	% BRACKET (5145711)		1		1	1	1						
	5128005	BRACKET							1	1				
	5100255	BRACKET											1	
	5117741	PLATE											1	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)							1	1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	5	5	5	5	5	5	1	1	5			
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)							2	2				
	179847	BOLT, 3/8"-16X2" (12.9001)											2	
	455537	BOLT, 3/8"-16X4" (12.9001)											2	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)											4	
	5108435	WASHER, 3/8"							2	2				
	103320	LOCKWASHER, 5/16" (12.9200)							1	1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	1	1	AR		AR	
	103322	LOCKWASHER, 7/16" (12.9200)											4	
		% NOT SERVICED; USE BRACKET SHOWN IN PARENTHESES PLUS (2) 427564 BOLTS, (1) 5157244 BOLT, (2) 103322 LOCKWASHERS.												
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	5124700	+ PULLEY (7.5" DIA., 2 GROOVES)	1	1	1	1	1	1			1			
3B	5127110	PULLEY (6" DIA., 2 GROOVES)							1	1				
3B	5129965	PULLEY (7.5" DIA., 2 GROOVES)											1	
	103385	PIN, 1/8"X1" COTTER (12.9250)	1	1	1	1	1	1	1	1	1		1	
		+ OBSOLETE.												
		12.4020 - ADAPTOR, AIR COMPRESSOR												
	5108441	ADAPTOR										1		
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)										2		
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
	5117061	GASKET (1.5040)										1		
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	5170450	PLATE (1.7630)					1					1		1
	5122922	RETAINER (1.7207)												1
	5108836	STUD, 3/8"-24X1 3/4" (12.9117)												1
3C	5145092	BOLT, 3/8"-24X1.20" SELF LOCKING (12.5015)					4							
3C	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)										4		3

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 210	211	216	217	226	227	231	233	241	258	265	266
		12.4037 - PLATE, AIR COMPRESSOR DRIVE (CONT'D)												
	5145431	NUT, 3/8"-24 JAM CAD.												1
	9413533	NUT, 3/8"-24 SELF LOCK (12.9120)												1
		12.4040 - HUB, AIR COMPRESSOR												
3C	5144866	HUB										1		1
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS. "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5126763	BELT SET (2 BELTS) (40.00"L., .500"W.) (1.3320)											1	
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
3C	5141773	COUPLING										1		1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	5125968	# TUBE ASSY., DEV. L. 17.24"		1		1	1	1						
3C	5143849	TUBE ASSY., DEV. L. 21.62"	1		1						1			
3C	5131828	HOSE ASSY., 1/4" I.D. X 20" L.								1				
3C	2328626	HOSE ASSY., 3/16" I.D. X 16 1/2" L.											1	
3C	2193387	HOSE ASSY., 3/16" I.D. X 19 11/16" L. (12.4070)										1		
3C	5132273	HOSE ASSY., 5/16" I.D. X 18 1/4" L. (2.5215)							1					
	116341	ELBOW, 1/8" P.T. 45 DEG. (12.9480)	1		1						1			
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)								1			1	
	125859	ELBOW, 1/4" INV. FL. TUBE 45 DEG., 1/8" P.T. (12.9390)		1		1	1							
	118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9480)								1		2	1	
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)	2	2	2	2	2	2	1		2			
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)								1				
	442322	CONNECTOR, 5/16" INV. FL. TUBE, 1/8" P.T. (12.9460)							1					
		# NOT SERVICED; FOR SERVICE USE 5199575 HOSE, 2-5199579 FITTINGS, 2-9432248 ELBOWS, 1-5100136 ADAPTOR AND 1-2488022 CLIP.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 210	211	216	217	226	227	231	233	241	258	265	266
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3C	5138542	* HOSE, 3/4" I.D. X 12" L. (12.4375)	1	1			1							
3C	5135293	* HOSE, 5/8" I.D. X 10" L. (2.5060)			1	1		1	1	1	1			
3C	5135293	* HOSE, 5/8" I.D. X 5 1/4" L. (2.5060)											1	
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG., 1/4" P.T. (12.9480)					*		1					
	5177492	ELBOW, 5/16" TUBE, 90 DEG. (SEALASTIC)	2		2						2			
	108686	ELBOW, 1/2" PIPE 90 DEG. STREET (12.9590)											1	
	109429	ELBOW, 5/8" FL. TUBE 90 DEG., 1/2" P.T. (12.9390)			1	1		1	1	1	1		1	
	110289	ELBOW, 3/4" FL. TUBE 90 DEG., 1/2" P.T. (12.9390)	1	1			1							
	5113215	FITTING (5/8" HOSE X 1/2" EXT. PIPE) (12.6692)			1	1		1	1	1	1		1	
	5113192	FITTING (5/8" HOSE X 5/8" FL. TUBE SWIVEL) (12.6689)			1	1		1	1		1		1	
	5121190	FITTING (3/4" HOSE X 3/4" EXT. PIPE) (4.7100)	1	1			1							
	5126728	FITTING (3/4" HOSE X 3/4" FL. TUBE SWIVEL) (12.4070)	1	1			1							
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)											1	
	444004	ADAPTOR, 1/2" P.T. AUTO PIPE (12.9565)											1	
	5177493	SEAL RING, 5/16" TUBE SEALASTIC	2		2						2			
	5177490	NUT, 5/16" TUBE SEALASTIC (12.9445)	2		2						2			
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5163529	CLIP (SUPPLY)	1		1	1		1						
	3290442	CLIP (SUPPLY) (7.4085)		1			1							
	5153473	CLIP (4.6040)										1	1	
	5171509	CLIP (9.1591)										1		
	5179861	BRACKET, CLIP (7.3245)										1		
	5114551	CABLE TAG (7.4545)										AR		
	179816	BOLT, 5/16"-18X3/4" (12.9001)										1		
	103320	LOCKWASHER, 5/16" (12.9200)										1		
	120376	NUT, 5/16"-18 (12.9120)										1		
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5126630	* TUBE (DEV. L. 7.38")	1		1									
3C	5126631	* TUBE (DEV. L. 7.38")		1		1								
3C	5125902	HOSE ASSY. (13/32"I.D.X16"L.)					1	1			1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 210	211	216	217	226	227	231	233	241	258	265	266
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
3C	5129157	# HOSE, 1/2" I.D. X 10" L. (8.3830)							1	1				
3C	5129157	# HOSE, 1/2" I.D. X 23" L. (8.3830)										1		
3C	5129157	# HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)											1	
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)	1	1	1	1	1	1	1	1	1	1		
	444056	ELBOW, 3/8" STREET 45 DEG. (12.9590)					1	1			1			
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)											1	
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC 3/8" P.T. (12.9425)	2	2	2	2								
	118757	ELBOW, 1/2" FL. TUBE 90 DEG., 3/8" P.T. (12.9390)	2	2	2	2	1	1	1	1	1			
	5130294	ELBOW (1/2" INV. FL. TUBE 45 DEG.) (12.4090)										1		
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)											1	
	5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE) (12.4090)							1	1			1	
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL)	2	2	2	2			1	1		2	1	
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)	2	2	2	2								
	114981	DRAINCOCK, 1/8" (12.9510)							1	1				
	118536	DRAINCOCK, 1/8" (12.9510)										1		
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)							1	1				
	444136	TEE, 3/8"-18 P.T. (12.9616)							1	1		1		
		* NOT SERVICED; USE 5129157 HOSE PLUS (2) 5120020 AND (2) 118757.												
		# STD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		@ INCLUDES SEAL RING IN (12.04085) PLUS NUT NOT SOLD SEPARATELY.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
3C	5131285	TUBE (DEV. L. 12.62")	1	1	1	1								
3C	5127067	TUBE (DEV. L. 13.4")					1	1			1			
3C	5129157	# HOSE, 1/2" I.D. X 6 1/2" L. (8.3830)							1					
3C	5129157	# HOSE, 1/2" I.D. X 7 1/2" L. (8.3830)								1				
3C	5133776	* HOSE, 1/2" I.D. X 14" L.										1		
3C	5125902	HOSE ASSY., 1/2" I.D. X 16" L. (2.5100)										1		
3C	5129157	# HOSE, 1/2" I.D. X 19" L. (8.3830)											1	
	5123352	COVER (3/8" TAPPED HOLE) (1.2043)										1		
	5108741	= ADAPTOR (COVER) (THREE TAPPED HOLES, 1/2", 3/8" AND 1/2") (1.1060)											1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 210	211	216	217	226	227	231	233	241	258	265	266
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
	444056	ELBOW, 3/8" STREET 45 DEG. (12.9590)							1					
	111316	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)										1		
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)								1				
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)										1		
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)							1	1				
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)											1	
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)					1	1			1			
	5138292	@ ELBOW ASM., 1/2" 45 DEG. SEALASTIC 3/8" P.T. (12.9425)	1	1	1	1	1	1			1			
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)							1	1			1	
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. P.T.							1	1		1	1	
	5173854	FITTING, 1/2" HOSE X 3/4" P.T.							1	1				
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)										1	1	
	5176521	NIPPLE, 1/2" TUBE SEALASTIC (12.9415)	1	1	1	1								
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)	2	2	2	2	2	2			2			
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		* NOT SERVICED, USE 5125902 HOSE ASSY., WHICH INCLUDES INTEGRAL FITTINGS.												
		@ INCLUDES SEAL RING IN (12.04090) PLUS NUT NOT SOLD SEPARATELY.												
		% OBSOLETE												
		= NOT SERVICED; FOR SERVICE REQUIREMENTS REWORK 5114712.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5151189	CLIP (3/4" TUBE) (4.8040)											1	
		12.4300 - STRAINER, AIR COMPRESSOR												
3C	5110411	STRAINER ASSY.	1	1	1	1	1	1	1	1	1	1	1	
3C	5110410	GASKET	1	1	1	1	1	1	1	1	1	1	1	
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	
3C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	

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12.4000A AIR COMPRESSOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	273	275	278	279	283	287	288	289	293	294	302
	12.4001	**- COMPRESSOR ASSY., AIR**												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)			1						1			
3B	**5110404**	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226434)	1						1				1	
3B	**5131511**	@ # COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277056)	1						1				1	
3B	**5145614**	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)	1						1				1	
3B	**5110405**	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226433)		1										
3B	**5131512**	@ # COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277055)		1										
3B	**5145615**	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)		1										
3B	**2370584**	* COMPRESSOR ASSY. (12 CFM) (B.W. 228320)												1
3B	**5145616**	+ @ COMPRESSOR ASSY. (12 CFM) (B.W. 277057) (5102066 B.W. 285924)												1
3C	**5144300**	= COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N5504B)					1							
3B	**5118886**	* COMPRESSOR ASSY. (12 CFM) (B.W. 228321)										1		
3B	**5102067**	@ COMPRESSOR ASSY. (12 CFM) (B.W. 285923)										1		
	5109672	* COMPRESSOR ASSY. (12 CFM) (B.W. 276167)				1								
	5144302	= COMPRESSOR ASSY. (12 CFM) (B.W. 282389)				1								
3C	**5101017**	COMPRESSOR ASSY. (12 CFM) (B.W. 285970)				1								
3C	**5111996**	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276136)					1							
3C	**5127616**	* COMPRESSOR ASSY. (12 CFM) (B.W. 229694)								1				
3C	**5131515**	@ & COMPRESSOR ASSY. (12 CFM) (B.W. 276961)								1				
	5109747	COMPRESSOR ASSY. (12 CFM) (B.W. 1898-85)						1						
	111316	ELBOW, 3/8" PIPE 90 DEG. ST. (12.9590)							1					
	118536	DRAINCOCK, 3/8" (12.9510)						1	1			1		1
	5145014	PLUG, 3/8" PIPE (12.9550)		1					1					
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)			1	1	1	1		1				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)										4		
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)		4										
	181395	BOLT, 7/16"-20X1" (12.9001)												4
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)	4						4				4	
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)			4	4	4	4		4				
	5164360	WASHER, 15/32" (6.1001)										4		
	103322	LOCKWASHER, 7/16" (12.9200)	4	4					4			4	4	4
	456939	NUT, 7/16" (12.9120)	4						4				4	
		* THRU 4D-9762, 6D-3027. NOT SERVICED, USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	273	275	278	279	283	287	288	289	293	294	302
		12.4001 - COMPRESSOR ASSY., AIR (CONT'D)												
		@ EFFECTIVE WITH 4D-9763, 6D-3028.												
		# NOT SERVICED, USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.												
		= USE 5145014 AND 8924380 PLUGS AS REQUIRED.												
		& NOT SERVICED, USE 5144302 COMPRESSOR AND INCLUDE 6-5145014 PLUGS AND 1-8924380 PLUG.												
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
	5131939	GASKET	1	1					1			1	1	1
3C	5104506	GASKET (1.5040)			1	1	1			1				
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5125659	@ BRACKET		1										
	5128005	BRACKET	1						1		1			
	5100255	BRACKET										1		
	5109981	# BRACKET											1	
	5133103	BRACKET, UPPER SUPPORT											1	
	5130737	BRACKET												1
	5117741	PLATE, MOUNTING										1		
	8924380	PLUG, 1/8" PIPE (12.9550)												1
	5157412	SPACER, 7/8" X 13/32" X 1/4" (7.4013)												1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	1						1		1		1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	1	5					1		1		3	
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)	2						2		2		2	
	179847	BOLT, 3/8"-16X2" (12.9001)										2		
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)												2
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)											3	
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)												2
	455537	BOLT, 3/8"-16X4" (12.9001)										2		
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)										4		
	5108435	WASHER, 3/8"	2						2		2		2	
	103341	WASHER, 3/8" (12.9190)											3	
	103320	LOCKWASHER, 5/16" (12.9200)	1						1		1		1	
	103321	LOCKWASHER, 3/8" (12.9200)	1	AR					1		1	AR	1	AR
	103322	LOCKWASHER, 7/16" (12.9200)										4		
		@ NOT SERVICED; USE 5145711 BRACKET PLUS (2) 427564 BOLTS, (1) 5157244 BOLT, (2) 103322 LOCKWASHERS.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	273	275	278	279	283	287	288	289	293	294	302
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
		# NOT SERVICED; USE 5145415 AND INCLUDE (2) 9409917 BOLTS, (2) 5136821 AND (2) 5136906 SHIMS.												
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	**5124700**	+ PULLEY (7.5" DIA., 2 GROOVES)		1										
3B	**5127110**	PULLEY (6" DIA., 2 GROOVES)	1						1					
3B	**5109690**	+ PULLEY (4.3" DIA., 1 GROOVE)						1						
3B	**5129965**	PULLEY (7.5" DIA., 2 GROOVES)										1		1
3B	**5162966**	PULLEY (6.25" DIA., 2 GROOVES)											1	
	103385	PIN, 1/8"X1" COTTER (12.9250)	1						1			1	1	1
	181427	BOLT, 1/2"-20X1" (12.9001)						1						
	5188274	WASHER, 1/2" (6.1020)						1						
	103323	LOCKWASHER, 1/2" (12.9200)						1						
		+ OBSOLETE.												
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	**5170450**	PLATE (1.7630)			1	1	1	1		1				
3C	**5145092**	BOLT, 3/8"-24X1.20" SELF LOCKING (12.5015)			4	4								
3C	**5145091**	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)					4	4		4				
		12.4040 - HUB, AIR COMPRESSOR												
3C	**5144866**	HUB			1	1	1	1		1				
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5126763	BELT SET (2 BELTS) (40.00"L., .500"W.) (1.3320)										1		
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
3C	**5141773**	COUPLING			1	1	1	1		1				
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	**5125968**	# TUBE ASSY. (DEV. L. 17.24")		1										
3C	**5109991**	TUBE ASSY. (DEV. L. 32.24")					1							
3C	**5109926**	HOSE ASSY. (#4 I.D.X25" L.)						1						
3C	**5131828**	HOSE ASSY. (1/4" I.D. X 20" L.)	1											

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	273	275	278	279	283	287	288	289	293	294	302
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
3C	**5131604**	HOSE ASSY. (3/16"I.D.X15 21/32"L.)							1					
3C	**2328626**	HOSE ASSY. (3/16"I.D.X16 1/2"L.)								1		1		1
3C	**2320203**	HOSE ASSY. (3/16"I.D.X16 11/16"L.)				1								
	8924213	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1									1	1	1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)							1	1				
	8924149	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9390)	1			2				1		1	1	1
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)					1							
	8924153	ELBOW, 5/16" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)		2										
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)	1					1	1				1	
	8924170	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9460)					1							
	5182120	NIPPLE, 1/8" X .76" PIPE (7.4074)							1	1				
	105404	NIPPLE, 1/8"X3/4" PIPE (12.9560)						1						
	8924214	TEE, 1/8" PIPE (7.4586)					1							
	144082	TEE, 1/8" PIPE (12.9616)						1						
	105418	CROSS, 1/8" PIPE							1	1				
	5100136	ADAPTOR, 1/8" PIPE (12.9570)					1							
	8924380	PLUG, 1/8" PIPE (12.9550)					1		2	2				
		# NOT SERVICED; FOR SERVICE USE 5199575 HOSE, 2-5199579 FITTINGS, 2-9432248 ELBOWS, 1-5100136 ADAPTOR AND 1 -2488022 CLIP.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3C	**5135293**	* HOSE, 5/8" I.D. X 10" L. (2.5060)		1							1			
3C	**5135293**	* HOSE, 5/8" I.D. X 5 1/4" L. (2.5060)										1		
3C	**5135293**	* HOSE, 5/8" I.D. X 11 1/2" L. (2.5060)	1						1				1	1
	137895	ELBOW, 1/2" STREET 45 DEG. (12.9590)												1
	108686	ELBOW, 1/2" PIPE 90 DEG. STREET (12.9590)										1		
	109429	ELBOW, 5/8" FL. TUBE 90 DEG., 1/2" P.T. (12.9390)	1	1					1		1	1	1	
	116487	CONNECTOR, 5/8" FL. TUBE, 1/2" P.T. (12.9380)												1
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PIPE (12.6692)	1	1					1		1	1	1	1
	5113192	FITTING, 5/8" HOSE X 5/8" FL. TUBE SWIVEL (12.6689)	1	1					1		1	1	1	1
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)	1						1			1	1	
	8924174	ADAPTOR, 1/2" P.T. AUTO PIPE (12.9565)										1		
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	273	275	278	279	283	287	288	289	293	294	302
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5163529	CLIP, 5/16" TUBE (12.3060)		1										
	5153473	CLIP, 1/2" TUBE (4.6040)				1						1		1
	5171509	CLIP, 5/8" TUBE (9.1591)				1				1				
	5158509	CLIP, 1/4" SPECIAL (7.8320)					1							
	5157372	CLIP, 1/4" TUBE (3.4433)					1							
	5110070	CLIP, 3/8" TUBE (2.5120)						1						
	5179861	BRACKET, CLIP (7.3245)					1							
	5173022	BRACKET, CLIP (5.5379)								1				
	5114551	CABLE, TAG (7.4545)	AR			AR			AR				AR	
	179816	BOLT, 5/16"-18X3/4" (12.9001)				1				1				
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1						
	103341	WASHER, 3/8" (12.9190)						1		1				
	103321	LOCKWASHER, 3/8" (12.9200)						1						
	103320	LOCKWASHER, 5/16" (12.9200)				1				1				
	120376	NUT, 5/16"-18 (12.9120)				1				1				
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5126631	* TUBE (DEV. L. 7.38")		1										
3C	5129157	# HOSE, 1/2" I.D. X 10" L. (8.3830)	1						1				1	
3C	5129157	# HOSE, 1/2" I.D.X31.74" L. (8.3830)						1						
3C	5129157	# HOSE, 1/2" I.D. X 23" L. (8.3830)					1			1				
3C	5129157	# HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)										1		1
3C	5129157	# HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)				1								
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)	1	1		1		1	1	1			1	
	5101260	COVER (TWO TAPPED HOLES, 1/8" AND 3/8") (1.1060)												1
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)										1		
	9432248	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2											
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)		2				1						
	5122663	ELBOW, 1/4" PIPE (5.3430)						1						
	8924150	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)				1			1	1			1	
	8924201	ELBOW (1/2" INV. FL. TUBE 45 DEG.) (12.4090)					1							1
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)										1		1
	5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE) (12.4090)	1			1	1		1	1		1	1	
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL)	1	2		1	1	2	1	1		1	1	1
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)		2				1						
	114981	DRAINCOCK, 1/8" (12.9510)	1						1				1	
	118536	DRAINCOCK, 1/8" (12.9510)				1		1		1				
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)				1		1		1				
	5138306	NIPPLE, 3/8"X1" PIPE (12.9415)						1						
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)	1				1		1				1	
	120280	TEE, 3/8"-18 P.T. (12.9616)						1						
	8924177	TEE, 3/8"-18 P.T. (12.9616)	1			1	1		1	1			1	
	8924380	PLUG, 1/8" PIPE (12.9550)												1
	186625	BOLT, 5/16"-18X7/8" (12.9001)						2						

* NOT SERVICED; USE 5129157 HOSE PLUS (2) 5120020 AND (2) 9432248.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	273	275	278	279	283	287	288	289	293	294	302
	12.4085	**- TUBE, AIR COMPRESSOR WATER INLET (CONT'D)**												
		STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		@ INCLUDES SEAL RING IN (12.4085).												
	12.4090	**- TUBE, AIR COMPRESSOR WATER OUTLET**												
3C	**5131285**	+ TUBE (DEV. L. 12.62")		1										1
3C	**5130848**	TUBE (DEV. L. 15.20")				1								
3C	**5129157**	# HOSE, 1/2" I.D. X 6 1/2" L. (8.3830)	1						1				1	
3C	**5129157**	# HOSE, 1/2" I.D. X 7 1/2" L. (8.3830)				1								
3C	**5125902**	HOSE ASSY. (1/2"I.D.X16"L.) (2.5100)						1				1		
3C	**5129157**	# HOSE, 1/2" I.D. X 19" L. (8.3830)					1			1				
3C	**5129157**	# HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)				1	1			1				
	5123352	COVER, 3/8" TAPPED HOLE (1.2043)						1						
	5114712	ADAPTOR (COVER) (THREE TAPPED HOLES, 1/2", 3/8" AND 1/2") (1.1060)										1		
	2191465	TEE, 1/8"X1/4" (7.8295)						1						
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)	1						1				1	
	8924150	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		2			1	2		1				
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1						1				1	
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)										1		
	8924201	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.4090)				1								
	5138298	ELBOW ASM., 3/8" 90 DEG. SEALASTIC (12.9425)						1						
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)												1
	5138292	@ ELBOW ASM., 1/2" 45 DEG. SEALASTIC, 3/8" P.T. (12.9425)		1										
	8924220	ELBOW, 1/2"-90 DEG. (3.5505)				1								
	8924148	CONNECTOR, 1/2" FL. TUBE (12.9380)		2		1								
	116332	BUSHING, 3/8"X1/4" RED (12.9570)						1						
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)	1						1			1	1	
	5121825	FITTING (1/2" HOSE X 3/8" EXT. P.T.)	1				1		1	1		1	1	
	5173854	FITTING (1/2" HOSE X 3/4" P.T.) (12.3050)	1						1				1	
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL) (12.4085)		2		3	1	2		1		1		
	5138306	NIPPLE ASM., 1/2" SEALASTIC (12.9415)		1										1
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)	1											2
	8924380	PLUG, 1/8" PIPE (12.9550)						1						
	5145014	PLUG, 3/8" PIPE (12.9550)				1								
	5115214	PLUG, 1/2" PIPE (12.9550)										1		
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												

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12.4000A AIR COMPRESSOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 268	273	275	278	279	283	287	288	289	293	294	302
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
		+ NOT SERVICED, USE 5129157, 2-5120020, 1-8924150, 1-8924148.												
		@ OBSOLETE.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5151189	CLIP, 3/4" TUBE (4.8040)										1		
	5168001	CLIP, 1/2" TUBE						1						
		12.4300 - STRAINER, AIR COMPRESSOR ON COMPRESSOR												
3C	**5110411**	STRAINER ASSY.	1			1		1				1	1	1
3C	**5110410**	GASKET	1	1		1		1	1			1	1	1
3C	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2		2		2	2			2	2	2
3C	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2		2		2	2			2	2	2
		12.4305 - GOVERNOR KIT, AIR COMPRESSOR												
	2309860	GOVERNOR (B.W. 224333)						1						
		12.4375 - TUBE, AIR COMPRESSOR BOOSTER												
3C	**5129583**	TUBE ASSY.								1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)								2				
	103320	LOCKWASHER, 5/16" (12.9200)								2				
		12.4380 - GASKET, AIR COMPRESSOR BOOSTER TUBE												
	5110410	GASKET (12.4300)								1				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	308	312	315	322	323	325	338	341	351	352	354
		12.4001 - COMPRESSOR ASSY., AIR												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)	1					1						
3B	5118886	* COMPRESSOR ASSY. (12 CFM) (B.W. 228321)		1	1	1			1					
3B	5102067	@ = COMPRESSOR ASSY. (12 CFM) (B.W. 285923)		1	1	1			1					
3C	5144302	= COMPRESSOR ASSY. (12 CFM) (B.W. 282389)					1							
	5138835	* COMPRESSOR ASSY. (12 CFM) (B.W. 280368)					1							
3B	5110404	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 226434)								1				
3B	5131511	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277056)								1			1	
3B	5145614	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)								1			1	
3C	5101017	COMPRESSOR ASSY. (12 CFM) (B.W. 285970)									1			
	5131515	* COMPRESSOR ASSY. (12 CFM) (B.W. 276961)									1			
3B	5131512	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277055)										1		
	5145615	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)										1		
3C	5144300	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N55048)												1
	2428600	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276169)												1
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1				1				
	118536	DRAINCOCK, 3/8" BR. (12.9510)				1				1				
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9550)				1				1	1	1		
	5131310	SPACER, 1" THICK			1									
	5145416	SPACER, 1 1/2" THICK							1					
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)					1				1			1
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)										4	4	
	450501	BOLT, 7/16"-14X2 3/4" (12.9001)			4									
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)							4					
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)		4		4				4				
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)					4				4			4
	103322	LOCKWASHER, 7/16" (12.9200)		4	4	4			4	4		4	4	
	103323	LOCKWASHER, 1/2" (12.9200)					4				4			4
	271500	NUT, 7/16"-14 (12.9120)			4				4					
	456939	NUT, 7/16"-20 (12.9120)		4		4				4				

* THRU 6D-3027. NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.
@ EFFECTIVE WITH 6D-3028.
+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	308	312	315	322	323	325	338	341	351	352	354
		12.4001 - COMPRESSOR ASSY., AIR (CONT'D)												
		= USE 5145014 AND (1) 5145009 PLUGS AS REQUIRED.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
	5131939	GASKET		1	2	1			2	1		1	1	
3C	5117081	GASKET (1.5040)					1				1			1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5130737	BRACKET	1											
	5109981	& BRACKET		1	1			1	1	1				
	5133103	BRACKET, UPPER SUPPORT		1				1		1				
	5133212	BRACKET, UPPER SUPPORT			1									
	5128005	* BRACKET				1								
	5133213	BRACKET, UPPER SUPPORT							1					
	5125659	% BRACKET (5145711)										1		
	5125658	% BRACKET (5145594)											1	
	5145009	PLUG, 1/8" PIPE (12.9550)	1											
	5157412	SPACER, 7/8" O.D. X 13/32" I.D. X 1/4" W. (7.4013)	1											
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		1	1	1		1	1	1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		3	3	1		3	3	3		5	5	
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)		2	2	2		2	2	2				
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	2											
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		3	2			3	2	3				
	191249	BOLT, 3/8"-16X3 3/4" (12.9001)	2											
	5108435	WASHER, 3/8"		2	2	2		2	2	2				
	103341	WASHER, 3/8" (12.9190)		AR	AR			AR	AR	AR				
	103320	LOCKWASHER, 5/16" (12.9200)		1	1	1		1	1	1				
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR		AR	AR	AR		AR	AR	
		& NOT SERVICED; USE 5145415 AND INCLUDE (2) 9409239 BOLTS, (2) 5136821 AND (2) 5136906 SHIMS.												
		% NOT SERVICED; USE BRACKET SHOWN IN PARENTHESES PLUS (2) 427564 BOLTS, (1) 5157244 BOLT, (2) 103322 LOCKWASHERS.												
		* OBSOLETE												
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES)		1	1			1	1	1				
3B	5127110	PULLEY (6" DIA., 2 GROOVES)				1								
3B	5130964	PULLEY (6.24" DIA., 2 GROOVES)										1	1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	308	312	315	322	323	325	338	341	351	352	354
		12.4015 - PULLEY, AIR COMPRESSOR (CONT'D)												
	103385	PIN, 1/8"X1" COTTER (12.9250)		1	1	1		1	1	1		1		
		12.4037 - PLATE, AIR COMP. DRIVE												
3C	5170450	PLATE (1.7630)					1				1			1
	5122922	RETAINER (1.7207)												2
	5122923	STUD, 3/8"-24 X 1 1/2" (1.7633)					4				4			
3C	5145092	BOLT, 3/8"-24X1.20", SELF LOCKING (12.5015)					4				4			
3C	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)												4
		12.4040 - HUB, AIR COMPRESSOR												
3C	5144866	HUB					1				1			1
		12.4050 - COUPLING, AIR COMP. DRIVE												
3C	5141773	COUPLING					1				1			1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	5143849	TUBE ASSY. (DEV. L. 21.62")											1	
3C	5109991	TUBE ASSY. (DEV. L. 32.24")					1							
3C	2328626	HOSE ASSY. (1/4"I.D.X16 1/2"L.)									1			
3C	2331112	+ HOSE ASSY. (1/4"I.D.X19 1/2"L.) (12.6875)	1											
3C	5131828	HOSE ASSY. (1/4"I.D.X20"L.)		1	1				1					
3C	5132273	HOSE ASSY. (5/16"I.D.X18 1/4") (2.5215)						1						
3C	5131604	HOSE ASSY. (3/16"I.D.X15 21/32"L.)				1				1				
3C	5126693	HOSE ASSY. (3/16"I.D.X29"L.)												1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)				1			1	1	1			
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1	1	1									
	118753	ELBOW, 1/4" INV. FL. TUBE 90 DEG., 1/8" P.T. (12.9480)	1	1	1				1		1			2
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)					1							
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)											1	
	5138297	* ELBOW ASM., 5/16" 90 DEG. SEALASTIC										2	2	
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)						1				2	1	
	442321	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9460)					1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	308	312	315	322	323	325	338	341	351	352	354
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)		1		1				1				
	442322	CONNECTOR, 5/16" INV. FL. TUBE, 1/8" P.T. (12.9460)						1						
	5182120	NIPPLE, 1/8" X .76" PIPE (7.4074)				1				1				
	105406	NIPPLE, 1/8"X1 1/2" PIPE (12.9560)									1			
	9409943	TEE, 1/8" PIPE (7.4586)					1							
	105418	TEE, 1/8" PIPE				1				1	1			
	5145009	PLUG, 1/8" PIPE SQ. HD. (12.9550)				1				2	2			
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)										2	2	
		+ OBSOLETE.												
		* INCLUDES SEAL RING IN 12.4065.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3C	5135293	* HOSE, 5/8" I.D. X 11 1/2" L. (2.5040)	1		1	1		1	1					
3C	5135293	* HOSE, 5/8" I.D. X 10" L. (2.5040)		1						1		1	1	
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)				1				1				
	137894	ELBOW, 1/2" STREET 45 DEG. (12.9590)								1				
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)				1				1				
	109429	ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)	1	1	1			1	1			1	1	
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PIPE (12.6692)	1	1	1	1		1	1	1		1	1	
	5113192	FITTING, 5/8" HOSE X 5/8" FL. TUBE SWIVEL (12.6689)	1	1	1	1		1	1	1		1	1	
	144034	BUSHING, 3/4" X 1/2" RED. (12.9570)	AR			AR		AR				AR		
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5157372	CLIP, 1/4" TUBE (3.4433)					1							
	5158509	CLIP, 1/4" TUBE (7.8320)					1							
	5163529	CLIP, 5/16" TUBE (12.3060)										1	1	
	5153473	CLIP, 1/2" TUBE (4.6040)	2											1
	5171509	CLIP, 5/8" TUBE (9.1591)									1			
	5114551	CABLE, TAG (7.4545)		AR	AR	AR			AR	AR				
	5173022	BRACKET, CLIP (5.5379)									1			
	179837	BOLT, 3/8"-16 X 3/4" (12.900)	1											
	103341	WASHER, 3/8" (12.9190)									1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	308	312	315	322	323	325	338	341	351	352	354
	12.4080	**- CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)**												
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	12.4085	**- TUBE, AIR COMPRESSOR WATER INLET**												
3C	**5129157**	* HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)	1						1					
3C	**5129157**	* HOSE, 1/2" I.D. X 10" L. (8.3830)		1	1	1		1		1				
3C	**5129157**	* HOSE, 1/2" I.D. X 23" L. (8.3830)					1							
3C	**5129157**	* HOSE, 1/2" I.D. X 24 1/2" L. (8.3830)												1
3C	**5129157**	* HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)									1			
3C	**5126631**	= TUBE (DEV. L. 7.38")										1		
3C	**5126630**	@ TUBE (DEV. L. 7.38")											1	
	5101260	COVER (TWO TAPPED HOLES, 1/8" AND 3/8") (1.1060)	1											
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)		1	1	1		1	1	1	1	1	1	1
	5130294	ELBOW (1/2" INV. FL. TUBE 45 DEG.) (12.4090)	1				1							
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)	1											
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		1	1	1		1	1	1				
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)									1			2
	5138299	# ELBOW ASM., 1/2" 90 DEG. SEALASTIC, (12.9425)										2	2	
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL)	2	1	1	1		1	1	1				
	5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE) (12.4090)		1	1	1		1	1	1	1			
	5173854	FITTING (1/2" HOSE X 3/4" P.T.) (12.3050)									1			2
	114981	DRAINCOCK, 1/8" (12.9510)		1	1	1	1	1	1	1				
	118536	DRAINCOCK, 3/8" (12.9510)									1			
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)		1	1	1	1	1	1	1				
	444136	TEE, 3/8"-18 PIPE (12.9616)		1	1	1	1	1	1	1				
	444122	TEE, 3/8"-18 PIPE (12.9616)									1			
	5145009	PLUG, 1/8" PIPE (12.9550)	1											
	5176524	SEAL RING, 1/2" SEALASTIC TUBE (12.9435)										2	2	
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)									1			

* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.
@ NOT SERVICED; USE 5129157 PLUS 2-5120020 AND 118757.
\# INCLUDES SEAL RING IN 12.4085.
= NOT SERVICED; USE 5129157 PLUS 2-5120020 AND 2-9432248.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	308	312	315	322	323	325	338	341	351	352	354
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
	5130848	TUBE (DEV. L. 15.20")	1											
	5129157	* HOSE, 1/2" I.D. X 7 1/2" L. (8.3830)		1		1		1		1				
	5129157	* HOSE, 1/2" I.D. X 6 1/2" L. (8.3830)			1				1		1			
	5129157	* HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)					1					1		
	5129157	* HOSE, 1/2" I.D. X 10" L. (8.3830)											1	
	5131285	÷ TUBE, DEV. L. 14.30"												1
	5129157	* HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)												1
	5123352	COVER, 3/8" TAPPED HOLE (1.2043)					1				1			
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)		1	1			1	1					
	444056	ELBOW, 3/8" STREET 45 DEG. (12.9590)				1								
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)	1										1	
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		1		1		1						1
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		2	2	2			2			2		
	2325715	ELBOW, 1/2"-90 DEG. (3.5505)									1			
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE		1	1	1	1	1	1			1		
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)			2		2		2		2	2		
	5173854	FITTING, 1/2" HOSE X 3/4" P.T.) (12.3050)		1		1		1						2
	5138306	CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)	1										1	
	5120998	CONNECTOR, HOSE (1/2" HOSE X 3/8" P.T. 90 DEG.) (1.1100)								2				
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)									1			
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)		1	1	1		1	1	1				1
	5145014	PLUG, 3/8" PIPE (12.9550)									1			
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)	2											
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		@ INCLUDES SEAL RING IN 12.4090.												
		÷ NOT SERVICED, USE 5129157, 2-5120020, 1-118757, 1-118752.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5151189	CLIP, 3/4" TUBE (4.8040)												3
	5111079	SUPPORT, CLIP (4.8042)												1
	186625	BOLT, 5/16"-18X7/8" (12.9001)												1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 304	308	312	315	322	323	325	338	341	351	352	354
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)												
	179835	BOLT, 3/8"-16X5/8" (12.9001)												1
	103320	LOCKWASHER, 5/16" (12.9200)												1
	103321	LOCKWASHER, 3/8" (12.9200)												1
	120376	NUT, 5/16"-18 (12.9120)												1
		12.4097 - CLIP, AIR COMPRESSOR WATER TUBE HOSE												
3C	9139801	CLIP, 5/8"-1" DIA. HOSE (12.9660)								2				
		12.4300 - STRAINER, AIR COMPRESSOR												
3C	5110411	STRAINER ASSY.		1	1				1				1	
3C	5110410	GASKET		1	1	1			1	1		1	1	
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2				2			2	2	
3C	103320	LOCKWASHER, 5/16" (12.9200)		2	2				2					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 361	366	368	371	372	373	376	379	380	383	390
	12.4001 - COMPRESSOR ASSY., AIR												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.											
	NPN	COMPRESSOR (CUSTOMER FURNISHED)		1								1	
3B	5118886	* COMPRESSOR ASSY. (12 CFM) (B.W. 228321)			1	1							
3B	5102067	@ = COMPRESSOR ASSY. (12 CFM) (B.W. 285923)			1	1							
3C	5144302	= COMPRESSOR ASSY. (12 CFM) (B.W. 282389)									1		1
3B	5131511	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277056)					1						
3B	5145614	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)					1						
	5131515	* COMPRESSOR ASSY. (12 CFM) (B.W. 276961)									1		
3B	5131512	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 277055)						1					
	5145615	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)						1					
3C	5144300	+ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N5504B)	1										
	2428600	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276169)	1										
3C	5133888	COMPRESSOR ASSY. (12 CFM) (B.W. 275231)							1				
3C	5133913	COMPRESSOR ASSY. (12 CFM) (B.W. 278681)								1			
3C	5109672	* COMPRESSOR ASSY. (12 CFM) (B.W. 276167)											1
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)				1							
	118536	DRAINCOCK, 3/8" (12.9510)	1			1				1			
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9550)				1					1		
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1						1	1	1		1
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			4		4	4					
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)		4		4							
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4						4	4	4		4
	103322	LOCKWASHER, 7/16" (12.9200)		4	4	4	4	4					
	103323	LOCKWASHER, 1/2" (12.9200)	4						4	4	4		4
	456939	NUT, 7/16"-20 (12.9120)			4		4						
		* THRU 6D-3027. NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.											
		@ EFFECTIVE WITH 6D-3028.											
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.											
		= USE 5145014 AND (1) 5145009 PLUGS AS REQUIRED.											
	12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
	5131939	GASKET			1	1	1	1					
3C	5104506	GASKET (1.5040)	1						1	1	1		1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 361	366	368	371	372	373	376	379	380	383	390
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING											
	5145415	BRACKET		1		1						1	
	5133103	BRACKET, UPPER SUPPORT		1		1						1	
	5145711	BRACKET						1					
	5145594	BRACKET			1		1						
	5136821	SHIMS, .002" THICK (7.1595)		2		2						2	
	5136906	SHIMS, .005" THICK (7.1595)		2		2						2	
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		1		1							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		3	2	3	2	2					
	9409239	BOLT, 3/8"-16 X 1 3/4" (12.9001)		2		2						2	
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)		2		2							
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)		3		3						3	
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)			2		2	2					
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)			1		1	1					
	5108435	WASHER, 3/8"		2		2							
	103341	WASHER, 3/8" (12.9190)		AR		AR						AR	
	103320	LOCKWASHER, 5/16" (12.9200)		1		1							
	103321	LOCKWASHER, 3/8" (12.9200)		AR	AR	AR	AR	AR					
	103322	LOCKWASHER, 7/16" (12.9200)			2		2	2					
		12.4015 - PULLEY, AIR COMPRESSOR											
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES)		1		1						1	
3B	5130964	PULLEY (6.24" DIA., 2 GROOVES)			1		1	1					
	103385	PIN, 1/8"X1" COTTER (12.9250)		1	1	1	1	1					
		12.4037 - PLATE, AIR COMP. DRIVE											
3C	5170450	PLATE (1.7630)	1						1	1	1		1
	5122922	RETAINER (1.7207)	2										
3C	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)							4		4		
3C	5145092	BOLT, 3/8"-24X1.20", SELF LOCKING (12.5015)								4			4
	5145091	BOLT, 3/8"-24X1.38", SELF LOCKING (12.5015)	3										
	122236	NUT, 3/8"-24 (12.9120)	1										
	9413533	NUT, 3/8"-24 THIN (12.9120)	1										
		12.4040 - HUB, AIR COMPRESSOR											
3C	5144866	HUB	1						1	1	1		1
		12.4050 - COUPLING, AIR COMP. DRIVE											
3C	5141773	COUPLING	1						1	1	1		1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 361	366	368	371	372	373	376	379	380	383	390
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY											
3C	5143849	TUBE ASSY. (DEV. L. 21.62")			1		1						
3C	2328626	HOSE ASSY. (1/4"I.D.X16 1/2"L.)									1		
3C	5131828	HOSE ASSY. (1/4"I.D.X20"L.)		1						1			
3C	5131604	HOSE ASSY. (3/16"I.D.X15 21/32"L.)				1							
3C	5126693	HOSE ASSY. (3/16"I.D.X29"L.)	1										
3C	5135077	HOSE ASSY. (3/16"I.D.X32"L.)											1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)				1					1		
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)		1						1			
	118753	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9480)	2	1						2			1
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. (12.9480)			1		1						
	5138297	* ELBOW ASM., 5/16" 90 DEG. SEALASTIC. (12.9425)			2		2	2					
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)			1		1	2					
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)		1		1							2
	5111277	FITTING, 1/4" HOSE X 1/4" FL. TUBE SWIVEL (8.1017)		1									
	5189294	FITTING, 1/4" HOSE X 5/16" INV. FL. TUBE SWIVEL (5.7100)		1									
	5182120	NIPPLE, 1/8 X .76" PIPE (7.4074)				1							
	105406	NIPPLE, 1/8"X1 1/2" PIPE (12.9560)									1		
	105418	TEE, 1/8" PIPE				1					1		
	5100136	ADAPTOR, 1/8" PIPE (12.9570)								1			
	5145009	PLUG, 1/8" PIPE SQ. HD. (12.9550)				2							
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)			2		2	2					
		* INCLUDES SEAL RING IN 12.4085.											
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN											
3C	5135293	* HOSE, 5/8" I.D. X 11 1/2" L. (2.5060)					1						
3C	5135293	* HOSE, 5/8" I.D. X 10" L. (2.5060)		1	1	1		1					
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)				1							
	137894	ELBOW, 1/2" STREET 45 DEG. (12.9590)				1							
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)				1	1						
	109429	ELBOW, 5/8" FL. TUBE 90 DEG., 1/2" P.T. (12.9390)		1	1			1					
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PIPE (12.6692)		1	1	1	1	1					
	5113192	FITTING, 5/8" HOSE X 5/8" FL. TUBE SWIVEL (12.6689)		1	1	1	1	1					
	144034	BUSHING, 3/4"X1/2" RED. (12.9470)			AR								
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.											

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 361	366	368	371	372	373	376	379	380	383	390
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE											
	5163529	CLIP, 5/16" TUBE (12.3060)			1		1	1					
	5153473	CLIP, 1/2" TUBE (4.6040)	1										
	5114551	CABLE TAG (7.4545)		AR		AR							
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET											
3C	5129157	* HOSE, 1/2" I.D. X 10" L. (8.3830)		1		1							
3C	5129157	* HOSE, 1/2" I.D. X 23" L. (8.3830)									1		
3C	5126631	= TUBE, DEV. L. 7.38"						1					
3C	5126630	@ TUBE, DEV. L. 7.38"					1						
3C	5129157	* HOSE, 1/2" I.D. X 36 1/2" L. (8.3830)	1										
3C	5133776	# HOSE, 1/2" I.D. X 14" L.			1								
3C	5125902	HOSE ASSY. (1/2" I.D. X 16" L.) (2.5100)			1								
3C	5129157	* HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)								1			1
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)	1	1	1	1	1	1		1	1	1	
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)		1	1	1							1
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1							1	1		
	5138299	% ELBOW ASM., 1/2" 90 DEG. SEALASTIC (12.9425)					2	2					
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)	1										
	444056	ELBOW, 3/8" STREET 45 DEG. (12.9590)			1								1
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)		1	1	1	2						1
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)		1	1	1	1			1	1		1
	5173854	FITTING, 1/2" HOSE X 3/4" P.T. (12.3050)	2							1	1		
	114981	DRAINCOCK, 1/8" (12.9510)				1						1	
	118536	DRAINCOCK, 3/8" (12.9510)								1	1		
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)		1		1						1	
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)											1
	444136	TEE, 3/8"-18 PIPE (12.9616)		1		1				1		1	
	444122	TEE, 3/8"-18 PIPE (12.9616)									1		
	5145014	PLUG, 3/8" PIPE (12.9550)										1	
	5183256	PLUG, 1 1/4" O.D. X 3/8" PIPE TAP (1.1001)											1
	5176524	SEAL RING, 1/2" SEALASTIC TUBE (12.9435)					2	2					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 361	366	368	371	372	373	376	379	380	383	390
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)											
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)									1		
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.											
		@ NOT SERVICED; USE 5129157, (2) 5120020 AND (2) 118757.											
		# NOT SERVICED, USE 5125902 HOSE ASSY. WHICH INCLUDES INTEGRAL FITTINGS.											
		% INCLUDES SEAL RING IN (12.0485) PLUS NUT NOT SOLD SEPARATELY											
		= NOT SERVICED; USE 5129157, 2-5120020, 1-187322.											
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET											
	5129157	* HOSE, 1/2" I.D. X 7 1/2" L. (8.3830)		1		1							
	5131285	+ TUBE (DEV. L. 14.30")					1	1					
	5129157	* HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)											1
	5129157	* HOSE, 1/2" I.D. X 38" L. (8.3830)	1										
	5127067	+ TUBE (DEV. L. 13.40")			1								
	5129157	* HOSE, 1/2" I.D. X 16 7/8" (8.3830)								1			
	5129157	* HOSE, 1/2" I.D. X 19" L. (8.3830)									1		
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)		1									
	5138299	ELBOW, 1/2" TUBE 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)			1		1	1					
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1	1						1	1		
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. (12.9390)											1
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)	1										
	5138292	+ ELBOW ASM., 1/2" 45 DEG. SEALASTIC (12.9425)			1								
	5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE)		1						1	1		1
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL) (12.4085)											2
	5173854	FITTING, 1/2" HOSE X 3/4" P.T. (12.3050)	2	1						1	1		
	5138306	CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)					1	1					
	5120998	CONNECTOR, HOSE (1/2" HOSE X 3/8" P.T. 90 DEG.) (1.1100)				2							
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)	1	1		1							
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)			2								
	118536	DRAINCOCK, 3/8" (12.9510)											1
	444136	TEE, 3/8"-18 PIPE (12.9616)											1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 361	366	368	371	372	373	376	379	380	383	390
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)											
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.											
		+ OBSOLETE.											
		@ INCLUDES SEAL RING IN (12.04090) PLUS NUT NOT SOLD SEPARATELY.											
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE											
	5151189	CLIP, 3/4" TUBE (4.8040)	4							1			1
	5171509	CLIP, 5/8" TUBE (9.1591)									1		
	5173022	SUPPORT, CLIP (5.5379)									1		
	5155464	BRACKET, CLIP (7.1582)	1										
	186629	BOLT, 5/16"-18X1" (12.9001)	1										
	179835	BOLT, 3/8"-16X5/8" (12.9001)	2										
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1										
	103341	WASHER, 3/8" (12.9190)									1		
	103320	LOCKWASHER, 5/16" (12.9200)	1										
	103321	LOCKWASHER, 3/8" (12.9200)	3										
	120376	NUT, 5/16"-18 (12.9120)	1										
	102635	NUT, 3/8"-16 (12.9120)	1										
		12.4097 - CLIP, AIR COMPRESSOR WATER TUBE HOSE											
3C	9139801	CLIP, 5/8"-1" DIA. HOSE (12.9660)				2							
		12.4300 - STRAINER, AIR COMPRESSOR											
3C	5110411	STRAINER ASSY.	1	1	1		1	1					1
3C	5110410	GASKET	1	1	1	1	1	1					1
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2	2								
3C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2			2	2				2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 393	394	395	396	399	400	401	402	413	415	422	425
	12.4001	**- COMPRESSOR ASSY., AIR**												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR *ASSEMBLY PART NUMBER WHICH IS* SHOWN IN PARENTHESES.												
	NPN	COMPRESSOR (CUSTOMER FURNISHED)							1		1			1
3B	5101405	+ COMPRESSOR ASSY. (12 CFM) (B.W. 286692)	1			1								
	5102067	= COMPRESSOR ASSY. (12 CFM) (283390) (B.W. 285923)	1			1								
3B	5135042	* COMPRESSOR ASSY. (12 CFM) (B.W. 277890)		1										
	5131510	# @ COMPRESSOR ASSY. (12 CFM) (B.W. 277057) (5101404-B.W. 285930)			1					1				
3B	5145616	= COMPRESSOR ASSY. (12 CFM) (B.W. 283387)			1					1				
3B	5131512	+ @ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371)					1							
	5145615	# COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)					1							
3C	5130520	+ @ = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276778)						1						
3C	5144301	# = + COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282386) (5106139-M.R. #5504)						1						
	5131514	@ COMPRESSOR ASSY. (12 CFM) (B.W. 276962)										1		
3C	5144303	= COMPRESSOR ASSY. (12 CFM) (B.W. 282397)										1		
3B	5131511	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138 M.R. #N5309A)											1	
	118536	DRAINCOCK, 3/8" (12.9510)	1	1	1			1						
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9550)					1							
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)						1			1			
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)				4	4			4	4		4	
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		5										
	181395	BOLT, 7/16"-20X1" (12.9001)			4									
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)	4											
	138269	BOLT, 7/16"-20 X 1 3/4" (12.9027)		1										
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)						4				4		
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	4	4	4			4	4		4	
	103323	LOCKWASHER, 1/2" (12.9200)						4						
	456939	NUT, 7/16"-20 (12.9120)	4											
	271500	NUT, 7/16"-14 (12.9120)		6										

+ USE 5144307 GOV. KIT (12.4305), IF REQUIRED.
@ NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.
NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.
= USE 5145009 AND 5145014 PLUGS AS REQUIRED.
* OBSOLETE

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3393	3394	3395	3396	3399	4000	4001	4002	4113	4115	4222	4225
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
	5131939	GASKET	1	1	1	1	1			1	1		1	
3C	5104506	GASKET (1.5040)						1				1		
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	NPN	BRACKET (CUSTOMER FURNISHED)							1					
	5133103	BRACKET, UPPER SUPPORT	1											
	5134187	* BRACKET, LOWER SUPPORT	1											
	5131446	@ BRACKET, ADJUSTING		1										
	5133650	= BRACKET, FIXED		1										
	5130737	BRACKET			1									
	5145594	BRACKET				1					1		1	
	5145711	BRACKET					1			1				1
	5133975	= SUPPORT		1										
	5131447	PLATE, SUPPORT		1										
	5136148	SHIM (.002")		1										
	5136147	SHIM (.005")		1										
	5160629	SPACER, 13/32" X 7/32" (4.2270)		1										
	5126323	SHIM (.012") (4.4110)		1										
	5122168	SPACER (15/32"I.D.X1"L) (7.1610)		2										
	5157412	SPACER, 7/8" X 13/32" X 1/4" (7.4013)			2									
	5145009	PLUG, 1/8" PIPE (12.9550)			1									
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	1											
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	3	2		5	5			5	5	1	5	5
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)	2											
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)			2									
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	3											
	427564	BOLT, 7/16"-14 X 1 3/8" (12.9001)				2	2			2	2		2	2
	5157244	BOLT, 3/8"-16 X 1 3/4" SPL (4.4190)				1	1			1	1		1	1
	214265	= BOLT, 3/8"-16X3 3/4" (12.9001)			2									
	192882	BOLT, 3/8"-24X6 1/4" (12.9001)		1										
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		2										
	179865	BOLT, 7/16"-14X1 7/8" (12.9001)		2										
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)		2										
	431809	BOLT, 1/2"-13X6" (12.9001)		1										
	103341	WASHER, 3/8" (12.9190)	3											
	5108435	WASHER, 3/8"	2											
	103343	WASHER, 1/2" (12.9190)		2										
	103320	LOCKWASHER, 5/16" (12.9200)	1											
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	5	AR			AR	AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)		4		2	2			2	2		2	2
	103323	LOCKWASHER, 1/2" (12.9200)		1										
	102635	NUT, 3/8"-16 (12.9120)										1		
	117049	NUT, 3/8"-24 (12.9120)		1										
	102637	NUT, 1/2"-13 (12.9120)		1										

* NOT SERVICED, USE 5145382 AND INCLUDE (2) 9409239 BOLTS.
@ NOT SERVICED, USE (1) 5144155 BRACKET AND (1) 5144156 PLATE.
= OBSOLETE.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 393	394	395	396	399	400	401	402	413	415	422	425
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES)		1	1									
3B	5130964	PULLEY (6.25" DIA., 2 GROOVES)				1	1			1	1		1	1
3B	5129965	PULLEY (7.50" DIA., 2 GROOVES)	1											
3B	103385	PIN, 1/8"X1" COTTER (12.9250)	1	1	1	1								
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
	5177236	PULLEY (6.25" DIA., 2 GROOVES)		1										
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)		1										
	272906	NUT, 3/4"-16 LOCK (12.9140)		1										
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
	5131402	RETAINER ASSY. (1.7645)		1										
	179858	BOLT, 7/16"-14X1" (12.9001)		1										
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4										
	5150568	WASHER, 7/16" COPPER (2.4050)		1										
	103322	LOCKWASHER, 7/16" (12.9200)		1										
	103323	LOCKWASHER, 1/2" (12.9200)		4										
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
	5104506	GASKET (1.5040)		1										
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	5170450	PLATE (1.7630)		1				1	1			1		
3C	5145091	BOLT, 3/8"-24X1.38" (12.5015)		4				4	4			4		
		12.4040 - HUB, AIR COMPRESSOR												
3C	5144866	HUB						1	1			1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 393	394	395	396	399	400	401	402	413	415	422	425
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5126768	BELT SET (2 BELTS) (50.50"X.500"W.) (1.3320)		1										
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
	5131130	SHAFT (1.7640)		1										
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
	907191	BEARING (5206WX1C) (1.7655)		1										
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
3C	5141773	COUPLING						1	1			1		
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
	5131329	SEAL (1.7660)		1										
	5131131	SPACER (1.7665)		1										
		12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING												
	9415285	LOCKRING (2.7470)		1										
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	5143849	TUBE ASSY. (DEV. L. 21.62")				1					1		1	
3C	5143848	* TUBE ASSY. (DEV. L. 18.56")					1							1
	5199575	HOSE, #6 X 10 1/2" L. (12.8550)								1				
3C	2328626	HOSE ASSY. (3/16"I.D.X16 1/2"L.)			1									
3C	2320203	HOSE ASSY. (3/16"I.D.X16 11/16"L.) (12.4065)							1					
3C	5135077	HOSE ASSY. (3/16"I.D.X23"L.)	1									1		
3C	5109926	HOSE ASSY. (3/16"I.D.X25"L.)						1						
3C	5126692	HOSE ASSY. (3/16"I.D.X32"L.)		1										
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)			1									
	118753	ELBOW, 1/4" FL. TUBE, 1/8" P.T. 90 DEG. (12.9480)	2	2	1			1	2			2		
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. X 1/8" P.T. (12.9480)				1					1		1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 393	394	395	396	399	400	401	402	413	415	422	425
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. X 1/8" P.T. (12.9480)				1	2				1		1	2
	5138297	@ ELBOW ASM., 5/16" 90 DEG. SEALASTIC (12.9425)				2	2			2	2		2	2
	9432248	ELBOW, 3/8"-18 INV. FL. TUBE (12.9480)								2				
	5199579	FITTING, 5/8"-18 INV. FL. (12.8552)												
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)				2	2				2		2	2
	9409943	TEE, 1/8" PIPE (7.4586)		1				1						
	144082	TEE, 1/8" PIPE (12.9616)						1						
	105404	NIPPLE, 1/8" X 3/4" PIPE (12.9560)										1		
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9550)		1						1				
	5100136	ADAPTOR, 1/8" PIPE (12.9570)												
		* NOT SERVICED; USE 15" LENGTH 5199575 BULK HOSE PLUS (2) 9432248 ELBOWS, (2) 5199579 FITTINGS, (1) 2488022 CLIP, AND (1) 5100136 ADAPTOR.												
		@ INCLUDES SEAL RING IN (12.04065) PLUS NUT NOT SOLD SEPARATELY.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3C	5135293	@ HOSE, 5/8" I.D. X 10" L. (2.5060)	1			1	1				1			1
3C	5135293	@ HOSE, 5/8" I.D. X 11 1/2" (2.5060)			1								1	
3C	5135293	@ HOSE, 5/8" I.D. X 15" L. (2.5060)								1				
3C	5135293	@ HOSE, 5/8" I.D. X 16" L. (2.5060)		1										
	5134471	+ FLANGE, 1/2" PIPE TAP		1										
	5150193	GASKET (5.1010)		1										
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)	1											
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)		1										
	137895	ELBOW, 1/2"-45 DEG. STREET BRASS (12.9590)			1								1	
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)												
	109429	ELBOW, 5/8" FL. TUBE 90 DEG. X 1/2" P.T. (12.9390)		1		1	1			1	1			1
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PIPE (12.6692)	1	1	1	1	1			1	1		1	1
	5113192	FITTING, 5/8" HOSE X 3/8" FL. TUBE SWIVEL (12.6689)	1	1	1	1	1			1	1		1	1
	116487	CONNECTOR, 5/8" FL. TUBE X 1/2" P.T. (12.9380)			1									
	144034	BUSHING, 3/4"X1/2" (12.9570)			AR		AR			AR				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		3										
	103320	LOCKWASHER, 5/16" (12.9200)		3										
		@ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 393	394	395	396	399	400	401	402	413	415	422	425
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	2488022	CLIP, #6 HOSE (12.8554)								1				
	5163529	CLIP, 5/16" TUBE (12.3060)				1	1				1		1	1
	5153473	CLIP, 1/2" TUBE (4.6040)		1	1				1		1	1		
	5171509	CLIP, 5/8" TUBE (9.1591)							1					
	5179861	BRACKET, CLIP (7.3245)							1					
	5114551	TAG, CABLE (7.4545)							1					
	179816	BOLT, 5/16"-18X3/4" (12.9001)							1					
	103320	LOCKWASHER, 5/16" (12.9200)							1					
	120376	NUT, 5/16"-18 (12.9120)							1					
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5126631	= TUBE (DEV. L. 7.38")					1							1
3C	5109177	TUBE (DEV. L. 32.62")						1						
3C	5126630	# TUBE ASSY. (DEV. L. 7.38)									1		1	
3C	5129157	@ HOSE, 1/2" I.D. X 11" L. (8.3830)	1											
3C	5135293	@ HOSE, 1/2" I.D. X 18" L. (2.5060)		1										
3C	5129157	@ HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)			1									
3C	5129157	@ HOSE, 1/2" I.D. X 10" L. (8.3830)				1				1				
	5101260	COVER, TWO TAPPED HOLES, 1/8" AND 3/8" (1.1060)			1									
	5115097	COVER, 3/8" TAPPED HOLE (1.1060)				1	1	1	1	1	1		1	1
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)				1						1		
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. X 3/8" P.T. (12.9390)	2	2		1			1	2		1		
	9402826	ELBOW, 1/2" TUBE 45 DEG. X 3/8" P.T. (12.9390)			1									
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. X 3/8" P.T. (12.9391)			1									
	5138299	ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)					2	1			2		2	2
	120280	TEE, 3/8" PIPE (12.9616)						1						
	444122	TEE, 3/8" PIPE (12.9616)							1					
	444136	TEE, 3/8"-18 P.T. (12.9616)										1		
	121207	NIPPLE, 3/8"X1" (12.9560)						1	1					
	5138306	NIPPLE ASM., 1/2" SEALASTIC (12.9415)						1						
	118536	DRAINCOCK, 3/8" (12.9510)						1	1			1		
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL	2	2	2	1				2		1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 393	394	395	396	399	400	401	402	413	415	422	425
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)				1						1		
	5145009	PLUG, 1/8" PIPE (12.9550)			1									
	5183256	PLUG, 1 1/4"O.D.X3/8" PIPE TAP (1.1001)	1											
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)					2	2			2		2	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)											2	2
	103320	LOCKWASHER, 5/16" (12.9200)									1			
		# NOT SERVICED; USE 5129157 PLUS (2) 5120020 AND (2) 118757.												
		= NOT SERVICED; USE 5129157 PLUS (2) 5120020 AND (2) 9432248.												
		@ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
	5130848	TUBE (15.20" DEV. L.)			1									
	5131285	= TUBE (14.30" DEV. L.)					1				1		1	1
	5109210	TUBE ASSY. (18.06" DEV. L.)						1						
	5125902	HOSE ASSY. (13/32"X16"L.) (2.5100)							1					
	5129157	* HOSE, 1/2" I.D. X 6 1/2" L. (8.3830)	1											
	5129157	* HOSE, 1/2" I.D. X 9" L. (8.3830)				1								
	5129157	* HOSE, 1/2" I.D. X 36 1/2" L. (8.3830)		1										
	5123352	COVER, 3/8" TAPPED HOLE (1.2043)		1										
	5138298	ELBOW ASSY. (12.9425)						1						
	120702	ELBOW, 3/8"-45 DEG. STREET (12.9590)							1					
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)									1			
	137895	ELBOW, 1/2" STREET 45 DEG. (12.9590)	1											
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. X 3/8" P.T. (12.9390)	1	1		1				1		1		
	9402826	ELBOW, 1/2" TUBE 45 DEG. X 3/8" P.T. (12.9390)		1										
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)			1		1							1
	5130294	ELBOW, 1/2" TUBE X 3/4" P.T. (12.4090)							1					
	5127105	ELBOW, 1/2" TUBE 45 DEG. SEALASTIC (12.9425)								1				
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)						1						
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)	1	1								1		
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)	1			1						1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 393	394	395	396	399	400	401	402	413	415	422	425
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)								1				
	2191465	TEE, 1/8" INT. P.T. X 1/4" EXT. P.T. X 5/8"-18 INT. (7.8295)						1						
	444136	TEE, 3/8"-18 PIPE (12.9616)										1		
	118536	DRAINCOCK, 3/8" (12.9510)										1		
	5145009	PLUG, 1/8" PIPE SQ. HD. (12.9550)						1						
	5138306	CONNECTOR ASSY., 1/2" TUBE SEALASTIC (12.9415)			1		1							1
	5179938	SEAL RING, 3/8" TUBE SEALASTIC (12.9435)						1						
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)			2		2							
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		= NOT SERVICED; USE 5129157 PLUS (2) 5120020, (1) 118757, (1) 118752.												
		@ INCLUDES SEAL RING IN (12.04090A) PLUS NUT NOT SOLD SEPARATELY.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5182647	CLIP (5.2190)										1		
	5110070	CLIP, 3/8" TUBE (2.5120)						1						
	5151189	CLIP, 3/4" TUBE (4.8040)		1								1		
	181333	BOLT, 5/16"-24X5/8" (12.9001)										1		
	179837	BOLT, 3/8"-16X3/4" (12.9001)						1						
	120392	WASHER, 3/8" (12.9190)		1										
	103341	WASHER, 3/8" (12.9190)						1						
	103320	LOCKWASHER, 5/16" (12.9200)										AR		
	103321	LOCKWASHER, 3/8" (12.9200)						1						
	114493	NUT, 5/16"-24 CAD. (12.9120)										1		
		12.4300 - STRAINER, AIR COMPRESSOR												
3C	5110411	STRAINER ASSY.	1	1	1	1					1			
3C	5110410	GASKET	1	1	1	1	1			1	1			
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2	2	2	2			2	2			
3C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2			2	2			
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER ASSY.												
3C	5177697	HOSE ASSY. (5/8"X20 5/8"L.) (8.3810)										1		
	5136003	COVER, 3/4" TAPPED HOLE (1.1040)										1		
	140798	ELBOW, 3/4"-45 DEG. (12.9590)										1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 393	394	395	396	399	400	401	402	413	415	422	425
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER ASSY. (CONT'D)												
	5176705	ELBOW, 3/4"-90 DEG. (8.3800)										1		
	5189769	FLANGE, ELBOW										1		
	5183256	PLUG, 1 1/4"O.D.X3/8" PIPE TAP (1.1001)										1		
	179816	BOLT, 5/16"-18X3/4" (12.9001)										2		
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)										2		
	103320	LOCKWASHER, 5/16" (12.9200)										2		
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.												
	5157702	CLIP (1") (4.8040)										1		
	5155464	BRACKET (7.1582)										1		
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)										1		
	103322	LOCKWASHER, 3/8" (12.9200)										1		
	102635	NUT, 3/8"-16 (12.9120)										1		
		12.4380 - GASKET, AIR BOOSTER INLET TUBE AND ELBOW TO AIR COMPRESSOR												
	5110410	GASKET										1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4362	4368	4369	4447	4545	4663	4666	4677	4684	4687	4689
	12.4001 - COMPRESSOR ASSY., AIR												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.											
38	**5101405**	+ COMPRESSOR ASSY. (12 CFM) (B.W. 286692)								1	1		
	5102067	= COMPRESSOR ASSY. (12 CFM) (B.W. 285923)								1	1		
38	**5131512**	+ ? COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371)						1					
	5145615	# COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)						1					
3C	**5144301**	# = + COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282386) (5106139-M.R. #5504)											1
38	**5131511**	+ ? COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368)		1					1				
	5131515	? COMPRESSOR ASSY. (12 CFM) (B.W. 276961)	1		1							1	
3C	**5144302**	= COMPRESSOR ASSY. (12 CFM) (B.W. 282389)	1									1	
	5145614	# = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106138-M.R. #N5309A)		1					1				
3C	**5101017**	COMPRESSOR ASSY. (12 CFM) (B.W. 285970)			1								
3C	**5144300**	= COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N5504B)				1	1						
3C	**5133913**	COMPRESSOR ASSY. (12 CFM) (B.W. 278681)									1		
	118536	DRAINCOCK, 3/8" (12.9510)		1								1	1
	5145014	PLUG, 3/8" PIPE SKT. HD. (12.9550)	1		1								
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1		1	1	1			1		1	1
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		4									
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						4					
	100040	BOLT, 7/16"-20X1 1/2" (12.9001)								4			
	216283	BOLT, 7/16"-20X1 3/4" (12.9001)							4		4		
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4		4	4	4			4		4	4	4
	5164360	WASHER, 15/32" (6.1001)		4									
	103322	LOCKWASHER, 7/16" (12.9200)		4				4	4	4	4		
	103323	LOCKWASHER, 1/2" (12.9200)									4		
	456939	NUT, 7/16"-20 (12.9120)							4	4	4		
		+ USE 5144307 GOV. KIT (12.4305), IF REQUIRED.											
		? NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.											
		# NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.											
		= USE 5145009 AND 5145014 PLUGS AS REQUIRED.											
	12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
	5131939	GASKET		1				1	1	1	1		
3C	**5104506**	GASKET (1.5040)	1		1	1	1					1	1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4361	4338	4391	4447	4541	4663	4666	4677	4777	4884	4887	4889
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5133103	BRACKET, UPPER SUPPORT							1	1	1			
	5125659	* BRACKET (5145711)						1						
	5100255	BRACKET		1										
	5109981	@ BRACKET							1	1	1			
	5178595	BRACKET (2.5030)										1		
	5117741	PLATE		1										
	5157412	SPACER, 7/8" O.D. X 13/32" I.D. X 1/4" W (7.4013)	1											
	5182628	SPACER												1
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)							1	1	1			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)						5	3	3	3			
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)							2	2	2			
	179847	BOLT, 3/8"-16X2" (12.9001)		2										
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)							3	3	3			
	455537	BOLT, 3/8"-16X4" (12.9001)		2										
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)	1											
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		4										
	5108435	WASHER, 3/8"							5	5	5			
	103320	LOCKWASHER, 5/16" (12.9200)							1	1	1			
	103321	LOCKWASHER, 3/8" (12.9200)		AR				5	1	1	1			
	103322	LOCKWASHER, 7/16" (12.9200)		4										
		* NOT SERVICED, USE BRACKET SHOWN IN PARENTHESES PLUS (2) 427564 BOLTS, (1) 5157244 BOLT, (2) 103322 LOCKWASHERS.												
		@ NOT SERVICED, USE 5145415 AND INCLUDE (2) 9409239 BOLTS, (2) 5136821 AND (2) 5136906 SHIMS.												
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES)		1					1	1	1			
3B	5130964	PULLEY (6.25" DIA., 2 GROOVES)						1						
3B	103385	PIN, 1/8"X1" COTTER (12.9250)		1					1	1	1			
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
	5117061	GASKET (1.5040)								1				
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	5170450	PLATE (1.7630)	1		1	1	1			1		1	1	1
	5108836	STUD, 3/8"-24X1 3/4" (12.9117)				1							1	1
3C	5145092	BOLT, 3/8"-24X1.20" SELF LOCKING (12.9001)			4		4					4		
	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4			3				4			3	3

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4363	4368	4369	4447	4545	4663	4666	4667	4777	4884	4887	4889
		12.4037 - PLATE, AIR COMPRESSOR DRIVE (CONT'D)												
	5145431	NUT, 3/8"-24 JAM CAD.				1							1	1
	9413533	NUT, 3/8"-24 JAM (12.9120)				1							1	1
		12.4040 - HUB, AIR COMPRESSOR												
3C	**5144866**	HUB	1		1	1	1			1		1	1	1
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5109794	BELT SET (2 BELTS) (37.50"L.X .500"W.) (7.1575)		1										
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
3C	**5141773**	COUPLING	1		1	1	1			1		1	1	1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	**5143848**	* TUBE ASSY. (DEV. L. 18.56")						1						
3C	**5109991**	TUBE ASSY. (DEV. L. 32.24")					1							
3C	**2328626**	HOSE ASSY. (3/16"I.D.X16 1/2"L.)	1	1	1									
3C	**5137424**	HOSE ASSY. (3/16"I.D.X18"L.)							1					
3C	**5131146**	HOSE ASSY. (3/16"I.D.X25"L.)										1		
3C	**5126693**	HOSE ASSY. (3/16"I.D.X29"L.)				1								
3C	**5126692**	HOSE ASSY. (3/16"I.D.X32"L.)											1	1
3C	**5131828**	HOSE ASSY. (1/4"I.D.X20"L.)								1	1			
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)		1						1				1
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)	1		1				1	1	1			
	118753	ELBOW, 1/4" FL. TUBE, 1/8" P.T. 90 DEG. (12.9480)	1	1	1	1			1		1	2	2	1
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)					1							
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. X 1/8" P.T. (12.9480)						2						
	5138297	@ ELBOW ASM., 5/16" 90 DEG. SEALASTIC (12.9425)						2						
	120702	ELBOW, 3/8" STREET 45 DEG. (12.9590)					1							
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)						2						
	9409943	TEE (1/8" PIPE) (7.4586)					1							
	105406	NIPPLE, 1/8"X1/2" PIPE (12.9560)	1		1									
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9550)	2		2		2							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4368	4388	4399	4447	4544	4683	4688	4677	4844	4887	4889
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)											
	105418	TEE, 1/8" PIPE	1		1								
	5100136	ADAPTOR, 1/8" PIPE (12.9570)									1		
	442321	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9460)					1						
	118748	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9380)											1
		* NOT SERVICED; USE 15" LENGTH 5199575 BULK HOSE PLUS (2) 9432248 ELBOWS, (2) 5199579 FITTINGS, (1) 2488022 CLIP, AND (1) 5100136 ADAPTOR.											
		@ INCLUDES SEAL RING IN (12.04065) PLUS NUT NOT SOLD SEPARATELY.											
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN											
3C	5135293	@ HOSE, 5/8" I.D. X 5 1/4" L. (2.5060)		1									
3C	5135293	@ HOSE, 5/8" I.D. X 11 1/2" (2.5060)						1	1	1	1		
	444004	ADAPTOR, 1/2" P.T. AUTO PIPE (12.9565)		1									
	108686	ELBOW, 1/2"-90 DEG. STREET (12.9510)		1									
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)						1	1	1	1		
	109429	ELBOW, 5/8" FL. TUBE 90 DEG. X 1/2" P.T. (12.9390)		1									
	5113215	FITTING, 5/8" HOSE X 1/2" EXT. PIPE (12.6692)		1				1	1	1	1		
	5113192	FITTING (5/8" HOSE X 3/8" FL. TUBE SWIVEL) (12.6689)		1				1	1	1	1		
	144034	BUSHING, 3/4"X1/2" (12.9570)		AR									
		@ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE											
	5157372	CLIP, 1/4" TUBE (3.4433)					1						
	5158509	CLIP, 1/4" TUBE (7.8320)					1						
	5163529	CLIP, 5/16" TUBE (12.3060)						1					
	5161873	CLIP, 7/16" TUBE (7.4412)									1		
	5153473	CLIP, 1/2" TUBE (4.6040)		1		1						1	1
	5171509	CLIP, 5/8" TUBE (9.1591)	1										
	5114551	TAG, CABLE (7.4545)							1	1	1		
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET											
3C	5138049	TUBE ASSY. (DEV. L. 5.62") (12.4090)											1
3C	5137061	TUBE ASSY. (DEV. L. 6.80")						1					
3C	5129157	* HOSE, 1/2" I.D. X 12 1/2" L. (8.3830)		1									

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 436	438	439	447	454	463	466	467	477	484	487	489
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
3C	5129157	* HOSE, 1/2" I.D. X 10" L. (8.3830)								1	1			
3C	5129157	* HOSE, 1/2" I.D. X 23" L. (8.3830)	1				1							
3C	5129157	* HOSE, 1/2" I.D. X 30 1/2" L. (8.3830)			1	1								
3C	5118111	HOSE, 13/32" I.D. X 6 1/2" L.							1					
3C	5123318	HOSE, 1/2" I.D. X 47" L. (4.4330)										1		
3C	5129157	* HOSE, 1/2" I.D. X 36 1/2" L. (8.3830)											1	
3C	5129157	* HOSE, 2 7/8" L. (8.3830)												1
	5115097	COVER, 3/8" TAPPED HOLE (1.1060)	1		1	1	1		1	1	1		1	1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9445)				1								
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)										1		
	444042	ELBOW, 3/8" PIPE 90 DEG. STREET (12.9590)		1					1					
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. X 3/8" P.T. (12.9391)		1										
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. X 3/8" P.T. (12.9390)								1	1	1		
	5130294	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9490)	1				1							
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	2		2	1		1	2				1	3
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)				1								
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)						1						
	444122	TEE, 3/8" PIPE (12.9616)	1		1									
	444136	TEE, 3/8"-18 P.T. (12.9616)					1			1	1			
	121207	NIPPLE, 3/8"X1" (12.9560)	1		1									
	5176521	NIPPLE, 1/2" TUBE SEALASTIC (12.9415)						1						
	114981	DRAINCOCK, 1/8" (12.9510)								1	1			
	118536	DRAINCOCK, 3/8" (12.9510)	1		1									
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL	2	2	2		2			2	2	2		
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)	1	1	1			1	1	1	1	1		
	5173854	FITTING, 1/2" HOSE X 3/4" P.T. (12.3050)	2		2	1		1	2	2			4	3
	5115214	PLUG, 1/2" PIPE (12.9550)		1										
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)						2						
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)					1			1	1			
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				1		1	1	1		1		
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)												1
	5137425	CLAMP (1.1040)							1		1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4366	4368	4369	4447	4544	4663	4666	4677	4684	4687	4689
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)											
	9139801	CLAMP, HOSE 3/4" (12.9660)											1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2		2	2	2		2	2	2	2	2
	179839	BOLT, 3/8"-16X1" (12.9001)										2	
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO SUIT.											
		@ INCLUDES SEAL RING IN (12.04085) PLUS NUT NOT SOLD SEPARATELY.											
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET											
	5138049	TUBE (5.62" DEV. L.)											1
	5125902	HOSE ASSY. (13/32"X16"L.) (2.5100)					1						
	5129157	* HOSE, 1/2" I.D. X 6 1/2" L. (8.3830)			1								
	5129157	* HOSE, 1/2" I.D. X 7 1/2" L. (8.3830)								1		1	
	5129157	* HOSE, 1/2" I.D. X 9" L. (8.3830)							1		1		
	5129157	* HOSE, 1/2" I.D. X 11" L. (8.3830)						1					
	5129157	* HOSE, 1/2" I.D. X 16 7/8" L. (8.3830)	1										
	5129157	* HOSE, 1/2" I.D. X 23" L. (8.3830)		1									
	5129157	* HOSE, 30 1/2" L. (8.3830)											1
	5129157	* HOSE, 1/2" I.D. X 36 1/2" L. (8.3830)				1						1	
	5123352	COVER (3/8" TAPPED HOLE) (1.2043)	1		1						1	1	1
	5108741	= ADAPTOR (COVER) (THREE TAPPED HOLES 1/2", 3/8" AND 1/2") (1.1060)		1									
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)								1			
	444042	ELBOW, 3/8"-90 DEG. STREET (12.9550)		1						1			
	118757	ELBOW, 1/2" FL. TUBE 90 DEG. X 3/8" P.T. (12.9390)					1		1				
	5130294	ELBOW (1/2" TUBE X 3/4" P.T.) (12.4090)	1		1								
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)	1	1		1		1		1	1	1	3
	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)		1									
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)				1							
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)		1		1		1			1		
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE		1		1	1	1	1	1	1		
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)		1	2	1	1		1		1		
	5173854	FITTING (1/2" HOSE X 3/4" P.T.) (12.3050)	1			2		1			1	3	3
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)			1						1		
	431538	CONNECTOR, 1/2" INV. FL. TUBE 3/8" (12.9460)										1	1
	444136	TEE, 3/8"-18 PIPE (12.9619)							1		1		
	118536	DRAINCOCK, 3/8" (12.9510)									1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4365	4368	4369	4447	4545	4663	4666	4667	4777	4884	4887	4889
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
	5145014	PLUG, 3/8" PIPE (12.9550)			1									
	5115214	PLUG, 1/2" PIPE (12.9550)		1										
	9139801	CLAMP, HOSE 3/4" (12.9660)												1
		* STD LENGTH HOSE; CUT TO LENGTH SHOWN.												
		= NOT SERVICED; FOR SERVICE REQUIREMENTS REWORK 5114712.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5168001	CLIP, 1/2" TUBE										1		
	5171509	CLIP, 5/8" TUBE (9.1591)	1		1									
	5151189	CLIP, 3/4" TUBE (4.8040)	1	1		1						2	1	2
	5173022	SUPPORT, CLIP (5.5379)	1		1									1
	5111079	SUPPORT, CLIP (4.8042)				1							1	
	132268	BOLT, 1/4"-20X7/8" FILLISTER (12.9010)										1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1	1								
	179816	BOLT, 5/16"-18X1 3/4" (12.9001)										2	1	
	179835	BOLT, 3/8"-16X5/8" (12.9001)				1								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)												1
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)												1
	103341	WASHER, 3/8" (12.9190)	1		1									1
	5150238	WASHER, 7/16" (3.4001)										1		
	103320	LOCKWASHER, 5/16" (12.9200)			1	1						AR	1	
	103321	LOCKWASHER, 3/8" (12.9200)				1								1
	120376	NUT, 5/16"-18 (12.9120)			1	1					1	1		
	117049	NUT, 3/8"-24 (12.9120)												1
		12.4300 - STRAINER, AIR COMPRESSOR												
3C	**5110411**	STRAINER ASSY.		1	1			1	1	1				
3C	**5110410**	GASKET		1	1			1		1		1		
3C	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2			2		2				
3C	**103320**	LOCKWASHER, 5/16" (12.9200)		2	2			2		2				
		12.4305 - GOVERNOR, AIR COMPRESSOR												
	5144307	KIT, GOVERNOR (INCLUDES ATTACHING PARTS)					1							
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER ASSY.												
3C	**5126052**	HOSE ASSY. (1 1/8"X10 1/2"L)							1		1			
	5180189	COVER, TWO 3/4" TAPPED HOLES (1.1040)							1		1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 4366	4368	4369	4447	4544	4663	4666	4667	4777	4844	4887	4889
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER ASSY. (CONT'D)												
	5181801	ELBOW (5.1261)							1		1			
	5127041	CONNECTOR, 25 DEG. PIPE (5.1235)							1		1			
	5189769	FLANGE, ELBOW							1		1			
	5142549	PLUG, 3/4" PIPE (12.9550)							1		1			
	2337379	CLAMP, 1 1/2" (12.9660)							2		2			
	179816	BOLT, 5/16"-18X3/4" (12.9001)							2		2			
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)							1		1			
	103320	LOCKWASHER, 5/16" (12.9200)							2		2			
		12.4380 - GASKET, AIR BOOSTER INLET TUBE AND ELBOW TO AIR COMPSR.												
	5110410	GASKET									1			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
	12.4001	**- COMPRESSOR ASSY., AIR**												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.												
	NPN	COMPRESSOR ASSY. (CUSTOMER FURNISHED)							1				1	
3C	**5136511**	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 7000-04)	1											
3C	**2436537**	@ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276911)		1										
3C	**5144301**	# = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282386) (5106139-M.R. #N5504)		1								1		
3B	**5131511**	+ @ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368)			1					1				
3B	**5145614**	# = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)			1					1				
3C	**5131515**	@ COMPRESSOR ASSY. (12 CFM) (B.W. 276961)				1								
3C	**5144302**	= COMPRESSOR ASSY. (12 CFM) (B.W. 282389)				1					1			
3C	**5135042**	* COMPRESSOR ASSY. (12 CFM) (B.W. 277890)					1							
3B	**5101405**	+ COMPRESSOR ASSY. (12 CFM) (B.W. 286692)						1						
3B	**5131718**	@ COMPRESSOR ASSY. (12 CFM) (B.W. 275886)						1						
3B	**5102067**	= COMPRESSOR ASSY. (12 CFM) (B.W. 285923)						1						
3C	**5109672**	@ COMPRESSOR ASSY. (12 CFM) (B.W. 276167)									1			
3C	**5130520**	@ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276778)										1		
3B	**5139463**	@ COMPRESSOR ASSY. (12 CFM) (B.W. 280453)												1
3B	**5102068**	= COMPRESSOR ASSY. (12 CFM) (B.W. 285925)												1
	118536	DRAINCOCK, 3/8" (12.9510)		1		1								
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)		1		1					1	1		
	5145009	PLUG, 1/8" PIPE (12.9550)	1											
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)	4											
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)			4					4			4	
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)					5							
	138269	BOLT, 7/16"-20 X 1 3/4" (12.9027)					1							
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)		4		4					4	4		
	103322	LOCKWASHER, 7/16" (12.9200)	AR		AR					AR			AR	
	271500	NUT, 7/16"-14 (12.9120)					6							

@ NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.

NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.

= USE 5145014 AND 5145009 PLUGS AS REQUIRED.

+ USE 5144307 GOVERNOR KIT (12.4305), IF REQUIRED.

* OBSOLETE.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
3C	5117061	GASKET		1							1	1		
	5131939	GASKET	1		1	1	1	1		1				1
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5136457	+ BRACKET	1											
	5125658	# BRACKET			1					1			1	
	5131446	= BRACKET					1							
	5138407	@ BRACKET						1						
	5138406	@ BRACKET						1						
	5109981	? BRACKET												1
	5133650	+ BRACKET, FIXED					1							
	5145595	BRACKET, UPPER SUPPORT												1
	5137037	SUPPORT	1											
	5133975	+ SUPPORT					1							
	5138410	* SUPPORT						1						
	5145596	PLATE												1
	5131447	= PLATE, SUPPORT					1							
	5182628	SPACER		1										
	5164294	SPACER, 13/32"X7/8"X1/8"	4											
	5122168	SPACER, 15/32" I.D. X 1" L. (7.1610)					2							
	5157512	SPACER (7/8"O.D.X13/32"I.D.X1/4"W.) (7.4013)										1		
	5136148	SHIM (.002")					1							
	5136821	SHIM (.002") (7.1595)						1						
	5136147	SHIM (.005")					1							
	5136906	SHIM (.005") (7.1595)						1						
	5126323	SHIM (.012") (4.4110)					1							
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)						1						
	186678	BOLT, 3/8"-16X1" (12.9001)						2						
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	4		5		2	1		5			5	3
	9409215	BOLT, 3/8"-16X1 1/4" LOCK (12.9001)						2						
	9409231	BOLT, 3/8"-16X1 1/2" LOCK (12.9001)												2
	186277	BOLT, 3/8"-16X2 3/8" (12.9001)	2											
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)						2						2
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)										1		
	192882	BOLT, 3/8"-16X6 1/4" (12.9001)					1							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)					2	1						
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)												8
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)						3						
	180152	BOLT, 7/16"-14X1 7/8" (12.9001)					2							
	179867	BOLT, 7/16"-14X2 1/4" (12.9001)					2							
	9427945	BOLT, 1/2"-13X6 1/4" (12.9001)					1							
	103341	WASHER, 3/8" (12.9190)						AR						
	5108435	WASHER, 3/8"						2						2
	5109949	WASHER, 17/32" (5.4025)					2							
	103320	LOCKWASHER, 5/16" (12.9200)						1						1
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR		AR	AR		AR			AR	AR

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	103322	LOCKWASHER, 7/16" (12.9200)					AR	AR						AR
	103323	LOCKWASHER, 1/2" (12.9200)					1							
	102635	NUT, 3/8"-16 (12.9120)						2						
	117049	NUT, 3/8"-24 (12.9120)					1							
	271500	NUT, 7/16"-14 (12.9120)						3						
	102637	NUT, 1/2"-13 (12.9120)					1							
		# NOT SERVICED, USE 5145594 BRACKET PLUS (2) 427564, (1) 5157244 BOLT AND (2) 103322 LOCKWASHERS.												
		= NOT SERVICED, USE (1) 5144155 BRACKET AND (1) 5144156 PLATE.												
		@ NOT SERVICED, USE 5146285 BRACKET PLUS (2) 186679 BOLT, (1) 179849 BOLT AND (5) 5108435 WASHERS.												
		? NOT SERVICED, USE 5145445 AND INCLUDE (2) 9409239 BOLTS AND (2) 5136821 AND (2) 5136906 SHIMS.												
		* NOT SERVICED, USE 5145381 BRACKET PLUS (2) 9409239 BOLTS.												
		+ OBSOLETE												
		12.4015 - PULLEY, AIR COMPRESSOR												
3a	**5133616**	PULLEY (5.00" DIA., 2 GROOVES)					1							
3B	**5136458**	PULLEY (6.25" DIA., 2 GROOVES)	1											
3B	**5137455**	+ PULLEY (6.25" DIA., 2 GROOVES)			1									
3B	**5162966**	PULLEY (6.25" DIA., 2 GROOVES)						1						
3B	**5130964**	PULLEY (6.25" DIA., 2 GROOVES)								1			1	
3B	**5177009**	PULLEY (6.25" DIA., 2 GROOVES)												1
	103385	PIN, 1/8"X1" COTTER (12.9250)	1		1			1		1				1
		+ OBSOLETE.												
		12.4017 - PULLEY, AIR COMPRESSOR DRIVE												
	5133615	PULLEY (5.00" DIA., 2 GROOVES)					1							
	124549	KEY, 3/16"X3/4" WOODRUFF (12.9350)					1							
	272906	NUT, 3/4"-16 LOCK (12.9140)					1							
		12.4020 - ADAPTOR, AIR COMPRESSOR												
		A RETAINER ASSY. INCLUDES ITEMS IN 12.4048, 12.4055 AND SEAL IN 12.4051.												
	5131402	RETAINER ASSY. (1.7645)					1							
	179858	BOLT, 7/16"-14X1" (12.9001)					1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
		12.4020 - ADAPTOR, AIR COMPRESSOR (CONT'D)												
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)					4							
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	**5170450**	PLATE (1.7630)		1		1	1		1		1	1		
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)				1								
3C	**5145091**	BOLT, 3/8"-24X1.38" (12.5015)		4		3	4		4		4			
3C	**5145092**	BOLT, 3/8"-24X1.20" (12.5015)										4		
	124925	NUT, 3/8"-24 JAM CAD. (12.9120)				1								
	9413533	NUT, 3/8"-24 JAM (12.9120)				1								
		12.4040 - HUB, AIR COMPRESSOR												
3C	**5144866**	HUB		1		1					1	1		
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5134742	BELT SET (2 BELTS, 41.00" L., .380" W.) (7.1575)	1											
	5126767	BELT SET (2 BELTS, 46.62" L., .500" W.) (1.3320)					1							
		12.4047 - SHAFT, AIR COMPRESSOR DRIVE												
	5131130	SHAFT (1.7640)					1							
		12.4048 - BEARING, AIR COMPRESSOR DRIVE SHAFT												
	907191	BEARING (5206WX1C) (1.7655)					1							
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
	5141773	COUPLING		1		1					1	1		
		12.4051 - SEAL, AIR COMPRESSOR DRIVE												
	5131131	SPACER (1.7665)					1							
	5131329	SEAL (1.7660)					1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
	12.4055 - RING, AIR COMPRESSOR DRIVE COUPLING													
	9415285	LOCKRING (2.7470)					1							
	12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY													
	5143849	TUBE ASSY. (DEV. L 21.62")			1					1			1	
3C	5137105	HOSE, 11.50" L.	1											
	2328626	HOSE, 16 1/2" L.										1		
	5131828	HOSE, 20" L.												1
3C	5133163	HOSE, 21" L.									1			
3C	5126693	HOSE, 29" L.		1										
3C	5126692	HOSE, 32" L.				1	1							
	5133162	HOSE, 20" L.						1						
	144045	BUSHING, 1/2"X1/4" RED. (12.9570)						1						
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9550)										1		1
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1	1				1						
	118753	ELBOW, 1/4" FL. TUBE, 1/8" P.T. 90 DEG. (12.9390)	1	1		1	2				2	1		1
	116341	ELBOW, 5/16" INV. FL. TUBE 45 DEG. X 1/8" P.T. (12.9480)			1					1			1	
	5138297	* ELBOW ASM., 5/16" SEALASTIC (12.9425)			1					1			1	
	109429	ELBOW, 5/8" FL. TUBE 90 DEG. X 1/2" P.T. (12.9390)						1						1
	118748	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9380)		1		1								
	105406	NIPPLE, 1/8"X1/2" PIPE (12.9560)										1		
	5177493	SEAL RING, 5/16" TUBE SEALASTIC (12.9435)			1					1			1	
	9409943	TEE (1/8" PIPE) (12.9560)					1							
	444152	– TEE, 1/2" PIPE (12.9616)												1
	105418	CROSS, 1/8 PIPE (12.9618)										1		
	5145009	PLUG, 1/8" PIPE SKT. HD. (12.9550)					1					2		
	5115214	PLUG, 1/2" PIPE (12.9550)												1
		– OBSOLETE * INCLUDES SEAL RING IN (12.4065) PLUS NUT NOT SOLD SEPARATELY.												
	12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN													
3C	5135293	* HOSE, 10" L. (2.5060)												1
3C	5144086	HOSE, 11 1/2" L.	1											
3C	5135293	* HOSE, 11.50" L. (2.5060)			1			1		1			1	
3C	5135293	* HOSE, 16" L. (2.5060)					1							
	137894	ELBOW, 1/2"-45 DEG. STREET (12.9590)					1							
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)	1		1					1			1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN (CONT'D)												
	109429	ELBOW, 5/8" FL. TUBE 90 DEG. X 1/2" P.T. (12.9390)					1							
	5113215	FITTING (5/8" HOSE X 1/2" EXT. PIPE) (12.6692)			1		1	1		1			1	1
	5113192	FITTING (5/8" HOSE X 5/8" FL. TUBE SWIVEL) (12.6689)			1		1	1		1			1	1
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)								1				
	5136443	PLATE			1									
	5150193	GASKET (5.1010)					1							
	5168176	GASKET (4.5007)			1									
	5134471	+ FLANGE, 1/2" PIPE TAP					1							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)					3							
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)			2									
	103320	LOCKWASHER, 5/16" (12.9200)					3							
	103321	LOCKWASHER, 3/8" (12.9200)			2									
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		+ OBSOLETE.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5163529	CLIP, 5/16" TUBE (12.3060)			1								1	
	5153473	CLIP, 1/2" TUBE (4.6040)		1		1	1				1			
	5151189	CLIP, 3/4" TUBE (4.8040)									1			
	5179861	BRACKET, CLIP (7.3245)									1			
	5114551	TAG, CABLE (7.4545)						1						1
	179837	BOLT, 3/8"-16X3/4" (12.9001)									1			
	103321	LOCKWASHER, 3/8" (12.9200)									1			
	102635	NUT, 3/8"-16 (12.9120)									1			
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5126630	* TUBE (DEV. L. 7.38"L.)			1					1			1	
3C	5138049	TUBE ASSY. (1/2"X5.62"L. 90 DEG.) (12.4090)		1										
3C	5129157	@ HOSE, 2 7/8" L. (8.3830)		1										
3C	5129157	@ HOSE, 4 1/2" L. (8.3830)												1
3C	5129157	@ HOSE, 12 1/2" L. (8.3830)						1						
3C	5129157	@ HOSE, 18" L. (8.3830)					1							
3C	5129157	@ HOSE, 23" L. (8.3830)							1		1	1		
3C	5129157	@ HOSE, 27" L. (8.3830)		1										
3C	5123317	@ HOSE, 42 1/4" L. (8.3830)				1								
	5115097	COVER, 3/8" TAPPED HOLE (1.1060)		1	1	1		1		1		1	1	1
	5150023	COVER (1.1060)	1											
	5116357	GASKET (1.1070)	1											
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)												1
	5138299	# ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9425)			2					2			2	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		3		1								
	143340	ELBOW, 1/2" INV. FL. TUBE 45 DEG. (12.9480)				1								
	5130294	ELBOW, 1/2" TUBE 45 DEG. (12.4090)										1		
	118757	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)					2	1			1			
	5121825	FITTING (1/2" HOSE X 3/8" EXT. PIPE) (12.4090)						1	1			1		
	5120020	FITTING (1/2" HOSE X 1/2" FL. TUBE SWIVEL)					2	1	1		2	1		1
	5173854	FITTING (1/2" HOSE X 3/4" P.T.) (12.3050)		3		1								
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)						1						
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)				1		1						1
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)			4					4			4	
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		1										
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)												1
	9139801	CLAMP, HOSE 3/4" (12.9660)		1										1
	9409943	TEE, 1/8" PIPE (7.4586)							1					
	444136	TEE, 3/8" P.T. (12.9616)						1	1					1
	444122	TEE, 3/8" PIPE (12.9616)							1					
	114981	DRAINCOCK, 1/8" (12.9510)						1						
	118536	DRAINCOCK, 3/8" (12.9510)							1					
	5145009	PLUG, 1/8" PIPE (12.9550)							2					
	5145014	PLUG, 3/8" PIPE (12.9550)							1					
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)							1					
	186618	BOLT, 5/16"-18X5/8" (12.9001)	2											
	186625	BOLT, 5/16"-18X7/8" (12.9001)		2	2	2		2		2		2		2
	103320	LOCKWASHER, 5/16" (12.9200)	2											
		* NOT SERVICED; USE 5129157 PLUS (2) 5120020 AND (2) 118757.												
		@ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		# INCLUDES SEAL RING IN 12.04085.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
	5138049	TUBE (DEV. L. 5.62")		1										
	5131285	+ TUBE (DEV. L. 14.30")			1					1			1	
	5129157	@ HOSE, FLEX. (2 7/8" L.) (8.3830)		1										
	5129157	@ HOSE, FLEX. (6 1/2" L.) (8.3830)						1						1
	5129157	@ HOSE, FLEX. (10" L.) (8.3830)										1		

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
	5129157	@ HOSE, 12 1/2" L. (8.3830)							1					
	5129157	@ HOSE, 14" L. (8.3830)									1			
	5123352	COVER, 3/8" TAPPED HOLE (1.2043)		1			1		1		1	1	1	
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)						1						
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)						1						
	444056	ELBOW, 3/8"-45 DEG. STREET (12.9590)						1						
	9402826	ELBOW, 1/2" TUBE 45 DEG., 3/8" P.T. (12.9391)					1							
	5130294	ELBOW, 1/2" TUBE 45 DEG.									1			
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		3		2						2		1
	5138299	* ELBOW ASM., 1/2" 90 DEG. SEALASTIC (12.9425)			1					1			1	
	118757	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)					1				1			
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)		1										
	5173854	FITTING, 1/2" HOSE X 3/4" P.T. (12.3050)		3		2						2		1
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL) (12.4085)					2	1	1		2			
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)						1	1					1
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)					1							
	9139801	CLAMP, HOSE 3/4" (12.9660)		1										
	5138306	* CONNECTOR, 1/2" TUBE SEALASTIC (12.9415)			1					1			1	
		@ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		* INCLUDES SEAL RING IN 12.04090.												
		+ NOT SERVICED, USE 5129157, 2-5120020, 1-118757, 1-118752.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5171509	CLIP, 5/8"X3/8" BOLT (9.1591)										1		
	5151189	CLIP, 3/4" TUBE (4.8040)		2		3	1							
	5173022	SUPPORT, CLIP (5.5379)		1								1		
	5160629	SPACER, 13/32" X 7/32" (4.2270)								1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)				1								
	179835	BOLT, 3/8"-16X5/8" (12.9001)				2								
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1										
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)		1										
	120392	WASHER, 1/4" (12.9190)					1							
	103341	WASHER, 3/8" (12.9190)		1								1		
	103320	LOCKWASHER, 5/16" (12.9200)				AR								
	103321	LOCKWASHER, 3/8" (12.9200)		AR		AR								
	120376	NUT, 5/16"-18 (12.9120)				1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 495	500	503	506	509	511	514	515	516	517	521	533
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)												
	117049	NUT, 3/8"-24 (12.9120)		1										
		12.4300 - STRAINER, AIR COMPRESSOR												
3C	**5110411**	STRAINER ASSY.			1		1				1			
3C	**5110410**	GASKET			1		1	1		1	1			
3C	**179819**	BOLT, 5/16"-18X1 1/8" (12.9001)								2				
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			2		2				2			
3C	**103320**	LOCKWASHER, 5/16" (12.9200)			2		2			2	2			
		12.4305 - GOVERNOR, AIR COMPRESSOR												
	5144307	KIT, GOVERNOR (INCLUDES ATTACHING PARTS)										1		
		12.4375 - TUBE, AIR COMPRESSOR BOOSTER BOOSTER ASSY.												
3C	**5137648**	* HOSE, 56" L. (5138542)								1				
	5132103	FLANGE								1				
	9139801	CLAMP, 5/8" (12.9660)								1				
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)								1				
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)								1				
	5121190	FITTING, 3/4"-14 (4.7100)								1				
		* NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO SUIT.												
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.												
	5155664	CLIP (1") (4.1570)								2				
	179839	BOLT, 3/8"-16X1" (12.9001)								1				
	189330	BOLT, 3/8"-24X3 3/4" (12.9001)								1				
	103321	LOCKWASHER, 3/8" (12.9200)								1				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	565	580	581	599	608	609	625	628	634	656	659
	12.4001	**- COMPRESSOR ASSY., AIR**												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.												
	NPN	COMPRESSOR ASSY. (CUSTOMER FURNISHED)										1		
3C	**2436537**	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276911)									1			
3C	**5144301**	# = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282386) (5106140-M.R. #N5504B)									1		1	
3B	**5131511**	+ * COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368)			1				1					
3B	**5145614**	# = COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)			1				1					
3C	**5144302**	= COMPRESSOR ASSY. (12 CFM) (B.W. 282389)	1	1										
3B	**5101405**	+ COMPRESSOR ASSY. (12 CFM) (B.W. 286692)								1				
3B	**5102067**	= COMPRESSOR ASSY. (12 CFM) (B.W. 285923)								1				
3C	**5109672**	* COMPRESSOR ASSY. (12 CFM) (B.W. 276167)	1	1										
3C	**5130520**	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276778)											1	
3C	**5131514**	* COMPRESSOR ASSY. (12 CFM) (B.W. 276962)				1								1
3C	**5144303**	= + COMPRESSOR ASSY. (12 CFM) (B.W. 282397)				1								1
3B	**5141667**	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 281112)					1							
3C	**2428600**	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276169)						1						
3C	**5144300**	= COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N5504B)						1						
	118536	DRAINCOCK, 3/8" (12.9510)		1	1				1	1			1	1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1		1	1	1			1		1	1
	103385	PIN, 1/8"X1" COTTER (12.9250)							1	1				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)							?					
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)			4					4				
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4			4	4			4		4	4
	103322	LOCKWASHER, 7/16" (12.9200)			AR				AR	AR				

* NOT SERVICED; USE SECOND *COMPRESSOR ASSY. SHOWN IN SAME* TYPE.

\# NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.

= USE 5145014 AND 5145009 PLUGS AS REQUIRED.

\+ USE 5144307 GOVERNOR KIT (12.4305), IF REQUIRED.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	565	580	581	599	608	609	625	628	634	656	659
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
3C	5104506	GASKET	1	1				1			1			
	5131939	GASKET			1				1	1				
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5140443	BRACKET, UPPER			1				1	1				
	5140444	BRACKET, LOWER			1				1	1				
	5137897	SUPPORT			1				1	1				
	5145417	PLATE							1	1				
	5108436	SPACER, 15/32" X 15/16" X 5/32" (7.1598)			4				4					
	5136821	SHIM (.002") (7.1595)			1				1	1				
	5136906	SHIM (.005") (7.1595)			1				1	1				
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)			1				1	1				
	179838	BOLT, 3/8"-16X7/8" (12.9001)			2				2	2				
	186678	BOLT, 3/8"-16X1" (12.9001)			1					1				
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)							5	4				
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)			3				3	3				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			4				4	4				
	5128076	BOLT, 7/16"-14X4"			1				1	1				
	106261	WASHER, 5/16" (12.9190)			1					1				
	103341	WASHER, 3/8" (12.9190)			AR				AR	AR				
	5108435	WASHER, 3/8"			2					2				
	103342	WASHER, 7/16" (12.9190)			AR				AR	AR				
	103320	LOCKWASHER, 5/16" (12.9200)			1				1	1				
	103321	LOCKWASHER, 3/8" (12.9200)			AR				AR	AR				
	103322	LOCKWASHER, 7/16" (12.9200)			AR				AR	AR				
	102635	NUT, 3/8"-16 (12.9120)			2				2	2				
	441292	NUT, 7/16"-24 LOCK (12.9120)			1				1	1				
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	5139758	* PULLEY (7.50" DIA., 2 GROOVES)							1					
3B	5139653	PULLEY (7.50" DIA., POLY V GROOVES)			1					1				
	103385	PIN, 1/8"X1" COTTER (12.9250)			1									
		* OBSOLETE.												
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	5170450	PLATE (1.7630)	1	1		1	1	1			1	1	1	1
	5122922	RETAINER (1.7207)		2								2		
3C	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4	4				4				4		
3C	5145092	BOLT, 3/8"-24X1.20" (12.5015)					4				4		4	4

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	565	580	581	599	608	609	625	628	634	656	659
		12.4040 - HUB, AIR COMPRESSOR												
3C	**5144866**	HUB	1	1		1	1	1			1	1	1	1
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5140187	BELT (45.00" L., .740" W.) (POLY-VEE) (1.3320)			1					1				
	5140185	BELT SET (2 BELTS, 45.00" L., .380" W.) (1.3320)							1					
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
	5141773	COUPLING	1	1		1	1	1			1	1	1	1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	**5109991**	TUBE ASSY. (DEV. L. 32.24")						1			1			
	2328626	HOSE, 16 1/2" L.											1	
	2320203	HOSE, 16 11/16" L.	1			1								
	5131828	HOSE, 20" L.			1				1	1				
	5109926	HOSE, 25" L.												1
3C	**5126692**	HOSE, 32" L.					1							
3C	**5139219**	HOSE, 39" L.		1										
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9550)		1	2	1				2			2	
	118753	ELBOW, 1/4" FL. TUBE, 1/8" P.T. 90 DEG. (12.9480)	2	1	1	1	2			1			1	
	225810	ELBOW, 1/4" INV. FL. TUBE 90 DEG. (12.9480)						1			1			
	120702	ELBOW, 3/8" PIPE X 45 DEG. (12.9590)									1			
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)			2				2					
	118748	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9380)												1
	442323	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9460)						1			1			
	105406	NIPPLE, 1/8 1 1/2" PIPE (12.9560)				1							1	
	105404	NIPPLE, 1/8"X3/4" PIPE (12.9560)			1					1				1
	178996	TEE, 1/8" PIPE (12.9616)		1										
	9409943	TEE (1/8" PIPE) (7.4586)						1			1			
	144082	TEE, 1/8" PIPE (12.9616)												1
	105418	CROSS, 1/8" PIPE			1	1				1			1	
	5145009	PLUG, 1/8" PIPE SQ. HD. (12.9550)			2	2				2			2	
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3C	**5135293**	* HOSE, 11.50" L. (2.5060)			1				1	1				
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)								2				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	559	565	580	581	599	608	609	625	628	634	656	659
			TYPES											
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN (CONT'D)												
	5113192	FITTING (5/8" HOSE X 5/8" FL. TUBE SWIVEL) (12.6689)			2				2	2				
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5161873	CLIP, 7/16" TUBE (7.4412)		2										
	5153473	CLIP, 1/2" TUBE (4.6040)	1				1							
	5151108	CLIP, 1/2" TUBE (12.4095)					1							
	5157372	CLIP, 1/4" TUBE (3.4433)						1			1			
	5158509	CLIP, 1/4" TUBE (7.8320)						1			1			
	5166565	BRACKET, CLIP (9.1591)	1											
	5178595	BRACKET, CLIP (2.5030)		1										
	5114551	TAG, CABLE (7.4545)			1				1	1				
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1										
	179837	BOLT, 3/8"-16X3/4" (12.9001)	1											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		1										
	103340	WASHER, 5/16" (12.9190)		1										
	103320	LOCKWASHER, 5/16" (12.9200)		1										
	103321	LOCKWASHER, 3/8" (12.9200)	1											
	120376	NUT, 5/16"-18 (12.9120)		1										
	102635	NUT, 3/8"-16 (12.9120)	1											
	114505	# NUT, 1/2"-13 JAM (12.9120)							1	1				
		# AT STARTER TERMINAL.												
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5129157	* HOSE, 6 1/2" L. (8.3830)	1											
3C	5129157	* HOSE, 7 1/2" L. (8.3830)		1										
3C	5129157	* HOSE, 11" L. (8.3830)			1				1	1				
3C	5129157	* HOSE, 23" L. (8.3830)				1		1			1		1	
3C	5129157	* HOSE, 33 3/4" L. (8.3830)					1							
	5108759	COVER (1/8" TAPPED HOLE) (1.1060)									1			
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)	1		1	1			1	1		1	1	1
	120702	ELBOW, 3/8"-45 DEG. STREET (12.9390)	1											
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		1		1								
	5130294	ELBOW, 1/2" TUBE 45 DEG. (12.4090)						1			1		1	
	118757	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)	1		1		2		1	1				1
	5138299	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC (12.9425)												1
	5122263	ELBOW												1
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)	1	1	1	1	1	1	1	1	1		1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	565	580	581	599	608	609	625	628	634	656	659
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL	1				2	1		1	1		1	1
	5173854	FITTING, 1/2" X 3/4" P.T. (12.3050)		1	1	1			1					
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)						1			1			
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)			1				1	1		1		
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)												2
	5138306	@ CONNECTOR ASSY., 1/2" SEALASTIC (12.9415)												1
	444136	TEE, 3/8" P.T. (12.9616)			1		1	1	1	1	1			
	444122	TEE, 3/8" PIPE (12.9616)			1								1	
	120280	TEE, 3/8" PIPE (12.9616)												1
	118536	DRAINCOCK, 3/8" (12.9510)	1		1	1	1		1	1				1
	5145014	PLUG, 3/8" PIPE (12.9550)				1						1	1	
	5183256	PLUG, 1 1/4" CUP (1.1001)					1							
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)				1							1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2		2	2			2	2	1	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2											
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		@ INCLUDES SEAL RING IN 12.4085.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
	5129157	* HOSE, 10" L. (8.3830)			1	1			1	1				
	5129157	* HOSE, 12 1/2" L. (8.3830)												1
	5129157	* HOSE, 14" L. (8.3830)					1	1			1			
	5129157	* HOSE, 16 7/8" L. (8.3830)											1	
	5129157	* HOSE, 30 1/2" L. (8.3830)	1	1										1
	5123352	COVER, 3/8" TAPPED HOLE (1.2043)	1		1	1		1			1	1	1	
	444052	ELBOW, 1/8"-45 DEG. STREET (12.9590)							1					1
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9480)							1					
	5138298	@ ELBOW ASM., 1/2" 90 DEG. SEALASTIC (12.9425)												1
	5130294	ELBOW, 1/2" TUBE 45 DEG. (12.4090)												1
	143340	ELBOW, 1/2" TUBE 45 DEG. (12.9480)	1	1										
	137425	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)		1	1	1			1	1			2	
	118757	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)					1	1			1			1
	118752	CONNECTOR, 1/2" FL. TUBE (12.9380)					1							1
	5173854	FITTING, 1/2" HOSE X 3/4" P.T. (12.3050)	1	2	1	1			1	1			2	
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)					2	1		1				2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 559	565	580	581	599	608	609	625	628	634	656	659
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)	1		1	1		1	1	1	1			
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)	1											
	5179938	SEAL RING, 3/8" TUBE (SEALASTIC) (12.9435)												1
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		@ INCLUDES SEAL RING IN 12.4090)												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5110070	CLIP, 3/8" TUBE X 3/8" BOLT (2.5120)												1
	5171509	CLIP, 5/8"X3/8" BOLT (9.1591)											1	
	5151189	CLIP, 3/4" TUBE (4.8040)		1		2							1	1
	5178709	SUPPORT, CLIP (4.8042)		1										
	5157412	SUPPORT, 7/8" X 1/4" (7.4013)											1	
	5173022	SUPPORT, CLIP (5.5379)				1							1	
	5179861	SUPPORT, CLIP (7.3245)												1
	179816	BOLT, 5/16"-18X3/4" (12.9001)		1										
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)		1										
	179838	BOLT, 3/8"-16X7/8" (12.9001)												1
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)											1	
	103341	WASHER, 3/8" (12.9190)				1							1	1
	103320	LOCKWASHER, 5/16" (12.9200)		AR										
	103321	LOCKWASHER, 3/8" (12.9200)												AR
	120376	NUT, 5/16"-18 (12.9120)		1										
	102635	NUT, 3/8"-16 (12.9120)												1
		12.4300 - STRAINER, AIR COMPRESSOR												
3C	5110411	STRAINER ASSY.	1	1			1							1
3C	5110410	GASKET	1	1			1		1	1				1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2			2							2
3C	103320	LOCKWASHER, 5/16" (12.9200)	2	2			2							2
		12.4305 - GOVERNOR, AIR COMPRESSOR												
	5144307	GOVERNOR KIT											1	1
		12.4380 - GASKET, AIR BOOSTER INLET TUBE AND ELBOW TO AIR COMPSR.												
	5114010	GASKET			1									

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	697	717	718	722	724	725	726	729	764	769	770
		12.4001 - COMPRESSOR ASSY., AIR												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.												
	NPN	COMPRESSOR ASSY. (CUSTOMER FURNISHED)										1		
3C	5130520	* COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 276778)	1											
	5144301	= @ + COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282386) (5106139-M.R. #5504)	1						1			1		
3C	5108621	# COMPRESSOR ASSY. (24 CFM) (B.W. 275725)		1										
3C	5144300	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 282383) (5106140-M.R. #N5504B)			1	1	1							
3C	5144302	COMPRESSOR ASSY. (12 CFM) (B.W. 282389)						1		1				
3B	5136511	COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 7000-04)									1			
3B	5145614	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)											1	1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1	1	1	1	1	1	1				
	5145009	PLUG, 1/8" PIPE (12.9550)			1	1	1	1	1	1	1			1
	5145014	PLUG, 3/8" PIPE (12.9550)			6	6	6	6	6	6			6	6
	118536	DRAINCOCK, 3/8" (12.9510)	1	1	1	1		1	1	1				
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)										1	1	1
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)									4			
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)										5	5	5
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4	4	4	4	4	4	4				
	103322	LOCKWASHER, 7/16" (12.9200)									AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)	4											
	271500	NUT, 7/16"-14 (12.9120)										5	5	5
		* NOT SERVICED; USE SECOND COMPRESSOR ASSY. SHOWN IN SAME TYPE.												
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.												
		@ USE 5144307 GOV. KIT IF REQUIRED.												
		# NOT SERVICED; USE 5144306 AND INCLUDE (12) 5145014 PLUGS, (2) 5145009 PLUGS, (2) 5110411 STRAINERS, (4) 179827 BOLTS AND (4) 103320 LOCKWASHERS.												
		= USE 5145014 AND 5145009 PLUGS AS REQUIRED.												
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING												
	5104506	GASKET (1.5040)									1			
	5131939	GASKET									1		1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	697	717	718	722	724	725	726	729	764	769	770
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	5108612	BRACKET		1										
	5111079	BRACKET, SUPPORT			1	1	1							
	5173022	BRACKET, SUPPORT							1					
	5178709	BRACKET								1				
	5178596	BRACKET (2.5030)								1				
	5136457	* BRACKET									1			
3B	5133103	BRACKET (UPPER SUPPORT)										1	1	1
	5137037	SUPPORT									1			
3B	5145415	SUPPORT										1	1	1
	5136821	SHIM (.002") (7.1595)										1	1	1
	5136906	SHIM (.005") (7.1595)										1	1	1
	5160629	SPACER, 7/32"X13/32" (7.1610)			1	1								
	5140814	SPACER (7.1610)					1	1	1	1	1			
	5182628	SPACER							1					
	5164294	SPACER, 7/8"-13/32 X 1/8"									4			
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1	1	1							
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)								1				
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)										1	1	1
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									4	3	3	3
	9409239	BOLT, 3/8"-16X1 3/4" AA LOCK (12.9001)										2	2	2
	186277	BOLT, 3/8"-16X2 3/8" (12.9001)									2			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)										3	3	3
	179857	BOLT, 7/16"-14X7/8" (12.9001)		1										
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)										5	5	
	5108435	WASHER, 3/8" PLAIN										5	5	5
	103320	LOCKWASHER, 5/16" (12.9200)								AR		AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)							AR		AR	AR	AR	AR
	103322	LOCKWASHER, 7/16" (12.9200)		AR								AR		
		* OBSOLETE												
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	5136458	PULLEY (6.25" DIA., 2 GROOVES, .403"W.)									1			
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES, .500"W.)										1	1	1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1	1	1	1	1	1	1				
	103385	PIN, 1/8"X1" COTTER (12.9250)									1	1	1	1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	5170450	PLATE (1.7630)	1	1	1	1	1	1	1	1	1			
	5108836	STUD, 3/8"-24X1 3/4" (12.9117)		1	1	1								
	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4	3	3	3	4	4	4	4	4			
	5145431	NUT, 3/8"-24 JAM (12.9120)		1	1	1								
	9413533	NUT, 3/8"-24 JAM (12.9120)		1	1	1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	697	717	718	722	724	725	726	729	764	769	770
		12.4040 - HUB, AIR COMPRESSOR												
3C	**5144866**	HUB	1	1	1	1	1	1	1	1				
		12.4045 - BELT, AIR COMPRESSOR DRIVE												
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.												
	5134742	BELT SET (2 BELTS, 41.00" L., .380" W.) (7.1575)									1			
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
	5141773	COUPLING	1	1	1	1	1	1	1	1				
	5143616	COUPLING (12.5010)									1			
	5127394	GEAR (12.5030)									1			
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	**5130799**	HOSE, 42" L. (7.4074)	1											
3C	**5137105**	HOSE, 11.50" L.									1			
3B	**5131604**	HOSE, 15 21/32" L.												1
3	**5132273**	HOSE, 18.25" L. (2.5215)										1		
3	**5137424**	HOSE, 18.00" L.											1	
3C	**5126693**	HOSE, 29" L.					1		1					
3C	**5126692**	HOSE, 32" L.		1				1						
C	**5139219**	HOSE, 39" L.								1				
	118753	ELBOW, 1/4" TUBE-1/8" P.T. 90 DEG. (12.9480)		2	1	1	1		1	1	1		1	
	225815	ELBOW, 5/16" TUBE 1/8"-27 (90 DEG.) (12.9480)						2						
	225810	ELBOW, 90 DEG., 1/4" INV. FL. TUBE (12.9480)											1	
	442322	CONNECTOR, 5/16" INV. FL. TUBE, 1/8" P.T. (12.9380)							1					
	118748	CONNECTOR, 1/4 TUBE, 1/8 P.T. (12.9380)												1
	118752	CONNECTOR, 1/2" INV. FL. TUBE, 3/8" (12.9380)			1	1					1			
	120401	ELBOW, 1/8" STREET 90 DEG. (12.9590)			1	1								
	9409931	ELBOW, 1/8" STREET 90 DEG. (12.9590)							1		1			
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)								1				2
	109429	ELBOW, 5/8" HOSE 90 DEG. (12.9590)										1		
	5182120	NIPPLE, 1/8"X.76" (7.4074)												1
	5145009	PLUG, 3/8" PIPE (12.9550)												2
	442347	TEE, 1/8"-27 (TWO-WAY) (12.9410)							1					
	105418	TEE, 1/8" (4 WAY) (12.9616)												1

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	697	717	718	722	724	725	726	729	764	769	770
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3C	5144086	HOSE, 11 1/2" L.									1			
3B	5135293	* HOSE, 5/8" X 10" L. (2.5060)												1
3B	5135293	* HOSE, 5/8" X 11 1/2" L. (2.5060)										1	1	
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)												1
	137894	ELBOW, 1/2" STREET 45 DEG. (12.9590)												1
	9402801	ELBOW, 5/8" PIPE 45 DEG. (12.9600)									1		1	1
	5113192	FITTING, 5/8" HOSE INV. FL. 7/8"-14										1	1	1
	5113215	FITTING, MALE 5/8" HOSE 1/2"-14										1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)												1
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	125928	CLIP (7/16" X 3/8" BOLT) (12.9630)						1						
	5151189	CLIP (7/16"X3/8" BOLT) (7.4412)						4		1				
	5161873	CLIP (7/16" TUBE X 3/8" BOLT) (7.4412)								2				
	5153473	CLIP (1/2" TUBE) (4.6040)		2	1	1	1		1					
	5151189	CLIP (3/4" TUBE) (4.6040)			2	2	2							
	5114551	TAG, CABLE (7.4545)											1	1
	179816	BOLT, 5/16"-18X3/4" (12.9001)						2		1				
	103340	WASHER, 5/16" (12.9190)					1			1				
	103320	LOCKWASHER, 5/16" (12.9200)						AR		AR				
	120376	NUT, 5/16"-18 (12.9120)						2		3				
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5129157	* HOSE, 1/2" X 30 1/2" L. (8.3830)	1					1						
3C	5129157	* HOSE, 29" L. (8.3830)		1			1							
3C	5123318	HOSE, 1/2" I.D. X 47" L. (4.4330)			1	1								
3C	5129157	* HOSE, 1/2" I.D. X 36 1/2" L. (8.3830)					1							
3C	5129157	* HOSE, 1/2" X 30 1/2" L. (8.3830)						1		1				
3C	5129157	* HOSE, 1/2" X 33 3/4" L. (8.3830)						1						
3C	5129157	* HOSE, 1/2" X 27" L. (8.3830)							1					
3C	5129157	* HOSE, 1/2" X 12 7/8" L. (8.3830)							1					
3B	5129157	* HOSE, 1/2" X 10" L. (8.3830)										1	1	1
3C	5138049	TUBE ASSY. (1/2"X5.62"L.-90 DEG.) (12.4090)							1					
	5115097	COVER (3/8" TAPPED HOLE) (1.1060)	1	1	1	1	1	1	1			1		
	5116357	GASKET										1		
	5121825	FITTING, 1/2" HOSE X 3/8" (12.4090)								1		1	1	1
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE, SWIVEL	2	2	1	1						2	1	1
	5173854	FITTING, 1/2" HOSE X 3/4" (12.3050)			4	4	4	4	3	3				
	137425	ELBOW, 3/8" INV. FL. TUBE (12.9460)			1	1	1	1	3	2		1		
	444042	ELBOW, 3/8" STREET 90 DEG. (12.9590)										1	1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	697	717	718	722	724	725	726	729	764	769	770
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
	118757	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)		2	1	1						1	1	1
	5120998	ELBOW, 1/2" HOSE X 3/8" FL. TUBE 90 DEG. (1.1100)												2
	5122663	ELBOW, 1/4" PIPE (5.3430)	1											
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)	1											
	120280	TEE, 3/8" PIPE (INTERNAL) (12.9616)	1									1	1	1
	5146648	PLUG, 1/2"-14" SKT. HD. (1.3162)												
	118536	DRAINCOCK, 3/8" P.T. (12.9510)	1											
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)							2					
	142269	BUSHING, 1/2" X 3/8" RED. (12.9570)										1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2	2	2	2					
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
3B	5129157	* HOSE, 1/2 X 7 1/2" L. (8.3830)		1						1		1		1
3B	5129157	* HOSE, 1/2" X 12 1/2" L. (8.3830)	1											
	5125902	HOSE, 14" L.			1	1							1	
3B	5133775	% HOSE ASSY. (6 1/2" L.) (5118872)												
3B	5129157	* HOSE, 1/2 X 9.00" L.		1										
	5109926	HOSE ASSY. (#4X25"L.)	1						1	1				
	5123352	COVER, 3/8" TAPPED HOLE (1.2043)		1	1	1						1	1	
	5121825	FITTING, 1/2" HOSE X 3/8" (12.4090)												
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE, SWIVEL (12.4085)	2	2	2	2						1	1	
	5173854	FITTING, 1/2" HOSE X 3/4" (12.3050)												
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9550)	1											
	118753	ELBOW, 1/4" TUBE 90 DEG. (12.9550)	1				1					1		
	225815	ELBOW, 5/16" TUBE 90 DEG. (12.9480)											1	
	137425	ELBOW, 3/8" INV. FL. TUBE (12.9480)												
	118757	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)	3	3										
	5130294	ELBOW, 1/2 TUBE 45 DEG. X 3/4 P.T.		1										
	143340	ELBOW, 1/2" INV. FL. TUBE 90 DEG. (12.9480)					3	3		1				
	105404	NIPPLE, 1/8" X 3/4" PIPE (12.9560)	1											
	144082	TEE, 1/8" PIPE (12.9616)	1											
	178996	TEE, 1/8" PIPE (12.9616)								1				
	444136	TEE, 3/8" PIPE (12.9616)										1	1	1
	442322	CONNECTOR, 5/16" TUBE (12.9460)										1		
	118752	CONNECTOR, 1/2" INV. FL. TUBE (12.9380)	1											

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	697	717	718	722	724	725	726	729	764	769	770
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)												
	9139801	CLAMP, 5/8" HOSE (12.9660)												2
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)										1	1	1
	114981	DRAINCOCK, 1/8" (12.9510)												1
	118536	DRAINCOCK, 3/8" (12.9510)												1
	179839	BOLT, 3/8"-16X1" (12.9001)		2										
		% NOT SERVICED; USE PART NUMBER IN PARENTHESES AND CUT TO SUIT.												
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.												
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5179861	BRACKET (7.3245)	1											
	5188969	BRACKET (4.1540)						1						
	5177331	SUPPORT (4.8042)						1						
	5168001	CLIP, 1/2" TUBE, 3/8" BOLT						1						
	5151189	CLIP, 3/4" TUBE (4.8040)	1	1	2	2	2		2					
	179816	BOLT, 5/16"-18X3/4" (12.9001)								1				
	454813	BOLT, 3/8"-16X7/8" (12.9001)	1	1			1							
	179835	BOLT, 3/8"-16X7/8" (12.9001)						2						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)							1	1				
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)							1					
	103341	WASHER, 3/8" PLAIN (12.9190)							1					
	103320	LOCKWASHER, 5/16" (12.9200)			AR	AR	AR							
	103321	LOCKWASHER, 3/8" (12.9200)	1	1			AR	AR	AR					
	120376	NUT, 5/16"-18 (12.9120)			1	1	1							
	102635	NUT, 3/8"-16 (12.9120)	1	1					1					
		12.4300 - STRAINER, AIR COMPRESSOR												
3C	5110411	STRAINER ASSY.			1	1		1		1				
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			2	2		2		2				
3C	103320	LOCKWASHER, 5/16" (12.9200)			2	2		2		2				
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET												
	5138542	HOSE, 18" L.		1										
	5132103	FLANGE		1										
	5144179	FLANGE (INLET)		1										
	9139801	CLAMP, 5/8" HOSE (12.9660)		2					1					
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)					1	1						
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)		1										
	3291272	ELBOW, 1/2"-90 DEG. (1.1100)		1										
	5142549	PLUG, 3/4" PIPE (12.9550)		1										
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2										

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 677	697	717	718	722	724	725	726	729	764	769	770
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET (CONT'D)												
	186629	BOLT, 5/16"-18X1" (12.9001)		2										
		12.4380 - GASKET, AIR BOOSTER INLET TUBE AND ELBOW TO AIR COMPRESSOR												
	5110410	# GASKET (12.4300)			1	1				1				
		# FURNISHED WITH AIR COMPRESSOR.												

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 71	74	76	77	79	80	81	82	83	85	801
		12.4001 - COMPRESSOR ASSY., AIR											
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.											
3B	**5145614**	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283368) (5106138-M.R. #N5309A)			1								
3B	**5102067**	COMPRESSOR ASSY. (12 CFM) (B.W. 285923)	1	1		1	1	1	1	1			
3B	**5145615**	+ COMPRESSOR ASSY. (7 1/4 CFM) (B.W. 283371) (5106137-M.R. #N5309)									1	1	
3C	**5101018**	COMPRESSOR ASSY. (12 CFM) (B.W. 285977)											1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)											1
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1		1	1	1	1	1
	5145014	PLUG, 3/8" PIPE (12.9550)	6	6	6	6	6	6	6	6	6	6	6
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)	1	1	6	6	1						6
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)						6	6	6	6	6	
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)	5	5			5						
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)											4
	103322	LOCKWASHER, 7/16" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	271500	NUT, 7/16"-14 (12.9120)	5	5			5						
	114505	NUT, 1/2"-13 JAM (12.9120)			1	1							
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.											
		12.4005 - GASKET, AIR COMPRESSOR MOUNTING											
	5131939	GASKET	1	1	1	1	1	1	1	1	1	1	
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING											
3B	**5133103**	BRACKET (UPPER SUPPORT)	1	1		1	1						
3B	**5140443**	BRACKET (UPPER SUPPORT)			1								
3B	**5140444**	BRACKET (LOWER SUPPORT)			1	1							
3B	**5145594**	BRACKET						1	1	1			
3B	**5145711**	BRACKET									1	1	
3B	**5145415**	SUPPORT	1	1									
3B	**5137897**	SUPPORT			1	1							
3B	**5145382**	SUPPORT					1						
	5136821	SHIM (.002") (7.1595)	1	1	1	1							
	5136906	SHIM (.005") (7.1595)	1	1	1	1							
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)	1	1	1	1	1						
	454813	BOLT, 3/8"-16X7/8" (12.9001)			2	2							
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)	3	3	3	3	3	4	4	4	4	4	
	9409239	BOLT, 3/8"-16X1 3/4" AA LOCK (12.9001)	2	2	2	2	2						
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)						1	1	1	1	1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 771	774	776	777	779	780	781	782	783	785	801
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)											
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)	3	3	3	3	3						
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				4							
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		5									
	454939	BOLT, 7/16"-14X4" (12.9001)			1	1							
	5108435	WASHER, 3/8" PLAIN	5	6	4	4	5						
	103341	WASHER, 3/8" PLAIN (12.9190)			3	4							
	103342	WASHER, 7/16" PLAIN (12.9190)			2	6							
	103320	LOCKWASHER, 5/16" (12.9200)	AR	AR	AR	AR	AR						
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	
	103322	LOCKWASHER, 7/16" (12.9200)				AR							
	102635	NUT, 3/8"-24 (12.9120)			2	2							
	441292	NUT, 7/16"-14 CAD. (12.9120)			1	1							
		12.4015 - PULLEY, AIR COMPRESSOR											
3B	5162966	PULLEY (6.25" DIA., 2 GROOVES, .500"W.)	1	1									
3B	5130964	PULLEY (6.25" DIA., 2 GROOVES)						1	1	1	1	1	
3A	5139653	PULLEY (7.50" DIA., 4 POLY-VEE GROOVE)			1	1							
3B	5129965	PULLEY (7.50" DIA., 2 GROOVES)					1						
	103385	PIN, 1/8"X1" COTTER (12.9250)	1	1	1	1	1	1	1				
		12.4037 - PLATE, AIR COMPRESSOR DRIVE											
3C	5170450	PLATE (1.7630)											1
	5145417	PLATE (12.4010)			1	1							
	5145092	BOLT, 3/8"-24X1.20" (12.5015)											4
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)			4								
	103342	WASHER, 7/16" PLAIN (12.9190)			4								
	103322	LOCKWASHER, 7/16" (12.9200)			4								
		12.4040 - HUB, AIR COMPRESSOR											
3C	5144866	HUB											1
		12.4045 - BELT, AIR COMPRESSOR DRIVE											
		ALL BELTS UNLESS INDICATED (M.S.) "MILITARY STANDARD" ARE "PREMIUM" POLYESTER BELTS.											
	5140187	BELT (45.00" L.) (POLY-VEE, 4 GROOVE) (1.3320)			1	1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 71	74	76	77	79	80	81	82	83	85	801
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE											
	5141773	COUPLING											1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY											
3B	5143848	@ TUBE (DEV. L. 18.56")										1	
3B	5143849	TUBE (DEV. L. 21.62")						1	1				
	5199575	HOSE, BULK #6 X 10.5" L. (12.8550)								1	1		
3B	5131604	HOSE, 15 21/32" L.	1										
3B	5131828	HOSE, 20.00" L.		1	1	1							
3B	5135077	HOSE, 23" L.					1						
3C	5147574	HOSE, 23.5" L. (12.4070)											1
	118753	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. (12.9380)		1	1	1	2						
	118748	CONNECTOR, 1/4" TUBE, 1/8" NPT (12.9380)	1										
	444052	ELBOW, 1/8" STREET 45 DEG. (12.9590)	2	1	2	2							
	125859	ELBOW, 1/4" TUBE 45 DEG. (12.9390)	1										
	5138297	* ELBOW ASM., 5/16" 90 DEG. SEALASTIC						2	2	2	2	2	
	9432248	ELBOW, 3/8" TUBE 90 DEG. (12.9590)									2		1
	5199579	FITTING, 5/8"-18 INV. FL. TUBE (12.8552)								2	2		
	5177493	SEAL RING, 5/16" TUBE (SEALASTIC) (12.9435)						2	2	2	2	2	
	105404	NIPPLE, 1/8" X 3/4" (12.9560)			1	1							
	5182120	NIPPLE, 1/8"X.76" (7.4074)	1										
	5145009	PLUG, 3/8" PIPE (12.9550)	2		2	2							
	105418	TEE, 1/8" PIPE	1		1	1							
	9409943	TEE, 1/8" (7.4586)											1
		@ NOT SERVICED; USE CUT 15" LENGTH 5199575 BULK HOSE PLUS (2) 9432248 ELBOWS, (2) 5199579 FITTINGS, (1) 2488022 CLIP, (1) 5100136 ADAPTOR.											
		* INCLUDES SEAL RING IN (12.04065) PLUS NUT NOT SOLD SEPARATELY.											
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN											
3B	5135293	* HOSE, 5/8" X 10" L. (2.5060)					1			1			
3B	5135293	* HOSE, 5/8" X 7 3/8" L. (2.5060)	1										
3B	5135293	* HOSE, 5/8" X 11 1/2" L. (2.5060)		1	1	1		1	1		1	1	
	111316	ELBOW, 3/8" STREET 90 DEG. (12.9590)	1										
	137894	ELBOW, 1/2" STREET 45 DEG. (12.9590)	1	1									
	9402801	ELBOW, 5/8" TUBE 45 DEG. (12.9600)	1		2	2	1	1	1	1	1	1	
	5113192	FITTING, 5/8" HOSE INV. FL. 7/8"-14 (12.6689)	1	1	2	2	1	1	1	1	1	1	
	5113215	FITTING, MALE 5/8" HOSE 1/2"-14 (12.6692)	1	1			1	1	1	1	1	1	
	5145014	PLUG, 3/8" PIPE (12.9550)	1										

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12.4000A AIR COMPRESSOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 71	74	76	77	79	80	81	82	83	85	01
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN (CONT'D)											
	144034	BUSHING, 3/4"X1/2" RED. (12.9570)							1			1	
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.											
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE											
	5163529	CLIP (SUPPLY TUBE) (12.3060)						1	1	1	1	1	
	2488022	CLIP, 3/8" COATED (12.8554)									1		
	2476234	CLIP (#6 HOSE) (2.5070)											1
	5114551	TAG, CABLE (7.4545)	1	1	1	1							
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET											
3B	**5129157**	* HOSE, 1/2" X 10" L. (8.3830)	1	1						1			
3B	**5129157**	* HOSE, 1/2" X 11" L. (8.3830)			1	1	1						
	5129157	* HOSE, 1/2" X 12 1/2" L. (8.3830)									1		
3B	**5135293**	HOSE, 5/8" X 16" L. (2.5060)										1	
3C	**5147582**	HOSE, #8 X 28.5" L. (TEFLON) (12.4090)											1
3B	**5126630**	= TUBE (7.38" DEV. L.)						1	1				
3B	**5126631**	@ TUBE (7.38" DEV. L.)									1	1	
	5115097	COVER, 3/8" TAPPED HOLE (1.1060)	1	1	1	1		1	1	1	1	1	1
	5121825	FITTING, 1/2" HOSE X 3/8" (12.4090)	1	1	1	1							
	5120020	*FITTING, 1/2" HOSE X 1/2" FL. TUBE, SWIVEL*	1	1	1	1	2	1		3			1
	137425	ELBOW, 3/8" INV. FL. TUBE (12.9480)											1
	144128	ELBOW, 3/8" PIPE 90 DEG. (12.9600)											1
	5130294	ELBOW, 1/2" TUBE 45 DEG. (12.4090)								1			
	118757	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)	1		1	1	2			1		1	
	5138299	# ELBOW ASM., 1/2" 90 DEG. SEALASTIC 3/8" P.T. (12.9425)						2	2		2	2	
	121207	NIPPLE, 3/8"X1" PIPE (12.9560)											1
	444136	TEE, 3/8" PIPE (12.9616)											1
	5146648	PLUG, 1/2"-14" SKT. HD. (1.3162)	1	1	1	1							
	5183256	PLUG, 1 1/4" O.D. X 3/8" TAP (1.1001)					1						
	431538	CONNECTOR, 1/2" INV. FL. TUBE (12.9460)											1
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)						2	2		2	2	
	142269	BUSHING, 1/2" X 3/8" RED. (12.9570)	1		1	1							
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2		2	2	2	2	2	2

* *STD. LENGTH HOSE; CUT TO LENGTH SHOWN.*
@ NOT SERVICED; USE 5129157 PLUS (2) 5120020 AND (2) 9432248.
\# INCLUDES SEAL RING IN 12.04085.
= NOT SERVICED; USE 5129157 PLUS *2-5120020 AND 2-118757.*

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 71	74	76	77	79	80	81	82	83	85	801
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET											
	5141107	TUBE		1									
3B	5131285	# TUBE (DEV. L. 12.62")						1	1				
3B	5129157	% HOSE, 1/2" X 7 1/2" L. (8.3830)	1										
	5147581	HOSE, #8 X 11.00" L.											1
	5129157	% HOSE, 1/2" X 12 1/2" L. (8.3830)								1			
3B	5118872	% HOSE ASSY., 6 1/2" L. (12.4085)		1			1						
3B	5129157	% HOSE, 1/2" X 10.00" L. (8.3830)			1	1					1	1	
	5121825	FITTING, 1/2" HOSE X 3/8" (12.4090)		1	1	1	1					1	
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE, SWIVEL					1	1				1	
	5173854	FITTING, 1/2" HOSE X 3/4" (12.3050)		1	1	1							
	137425	ELBOW, 3/8" INV. FL. TUBE (12.9480)		1	1	1							1
	444056	ELBOW, 3/8" STREET 45 DEG. (12.9030)		1									
	118757	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)					1						
	5130294	ELBOW, 1/2" TUBE 45 DEG.X 3/4" P.T.								1			
	5120998	ELBOW, 1/2" HOSE X 3/8" FL. TUBE 90 DEG.	2										
	137895	ELBOW, 1/2" STREET 45 DEG. (12.9590)					1						
	5138299	* ELBOW ASM., 1/2" 90 DEG. SEALASTIC, 3/8" P.T. (12.9390)						2	1		1		
	5176521	NIPPLE, 1/2" TUBE SEALASTIC (12.9415)							1		1		
	444136	TEE, 3/8" PIPE (12.9616)	1	1	1	1							
	118752	CONNECTOR, 1/2" INV. FL. TUBE (12.9380)								1			
	431538	CONNECTOR, 1/2" TUBE (12.9460)											1
	9139801	CLAMP, HOSE 5/8" (12.9660)	2										
	119932	BUSHING, 3/8"X1/8" RED. (12.9570)	1	1									
	142269	BUSHING, 1/2"X3/8" RED. (12.9570)		1			1						
	114981	DRAINCOCK, 1/8" (12.9510)	1	1									
	118536	DRAINCOCK, 3/8" (12.9510)	1	1	2	2	1						
	5176524	SEAL RING, 1/2" TUBE SEALASTIC (12.9435)						3	3		3		

\# NOT SERVICED; USE 5129157 PLUS (2) 5120020, (1) 118757 AND (1) 118752. PARENTHESES AND CUT TO SUIT.

* INCLUDES SEAL RING IN (12.04090) PLUS NUT NOT SOLD SEPARATELY.

% STD. LENGTH HOSE; CUT TO LENGTH SHOWN.

		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE												
	5144934	CLIP, #8 HOSE (TEFLON COATED)												1
	179835	BOLT, 3/8"-16X5/8" (12.9001)												1
	103321	LOCKWASHER, 3/8".(12.9200)												1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 771	774	776	777	779	780	781	782	783	785	801
		12.4300 - STRAINER, AIR COMPRESSOR											
3C	**5110411**	STRAINER ASSY.					1	1	1	1	1	1	1
	5189769	ELBOW		1									
	179816	BOLT, 5/16"-18X3/4" (12.9001)		2									
3C	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)					2	2	2	2	2		2
3C	**103320**	LOCKWASHER, 5/16" (12.9200)		2			2	2	2	2	2	2	2
		12.4305 - GOVERNOR, AIR COMPRESSOR											
	5144307	KIT, GOVERNOR (INCLUDES ATTACHING PARTS)											1
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET											
	5118149	HOSE, 2.50" L. (4.1642)		1									
	5180189	FLANGE		1									
	2337379	CLAMP, HOSE 1 1/2"		4									
	5137425	CLAMP, FLANGE MOUNTED		1									
	5181801	ELBOW, 3/4" TO 1" (SPECIAL)		1									
	5127041	CONNECTOR, 3/8" NPT, 25 DEG.		1									
	5142549	PLUG, 3/4" PIPE (12.9550)		1									
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		1									
		12.4380 - GASKET, AIR BOOSTER INLET TUBE AND ELBOW TO AIR COMPSR.											
	5110410	# GASKET (12.4300)	1	1	1	1	1	1	1	1	1	1	1

FURNISHED WITH AIR COMPRESSOR.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	843	875	884	910	916	978	980	984	992	993	994	996	999
	12.4001	**- COMPRESSOR ASSY., AIR**														
		• FOR TYPE 938 USE TYPE 1258 • NOTE: SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY BENDIX-WESTINGHOUSE. (FURNISH THEIR ASSY. PART NUMBER WHICH IS SHOWN IN PARENTHESES.) ALL ITEMS LISTED IN THIS SECTION ARE SERVICED BY DETROIT DIESEL ALLISON.														
3C	**5144301**	+ COMPRESSOR ASSY., 7CFM (B.W. 282386) (5106139-M.R. #5504)	1												1	
3C	**5133913**	COMPRESSOR ASSY., 12CFM (B.W.278681)		1									1			
3C	**5144302**	COMPRESSOR ASSY., 12CFM (B.W.282389)			1											
3C	**5101017**	COMPRESSOR ASSY., 12CFM (B.W.285970)				1										1
3B	**5102067**	COMPRESSOR ASSY., 12CFM (B.W.285923)					1				1	1				
3B	**5102066**	COMPRESSOR ASSY., 12CFM (B.W.285924)						1	1							
3C	**5100886**	COMPRESSOR ASSY., 12CFM (B.W.285991)								1						
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1	1	1								1	1	1	
	8924380	PLUG, 1/8" PIPE (12.9550)	1		1										1	
	8924517	PLUG, 3/8" PIPE (12.9550)	6		6										6	1
	8925710	DRAINCOCK, 3/8" (12.9510)	1	2	1	1		1			1		2	1	1	
	8926979	DRAINCOCK, 1/8" (12.9510)							1			1				
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)									5					
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)					6	6								
	179871	BOLT, 7/16"-14 X 3 1/4" (12.9001)										5				
	179884	BOLT, 1/2"-13 X 1 3/8" (12.9001)	4	4	4	4				4			4	4	4	4
	5132715	WASHER, .53" X .94" X .12" (1.3140)								2						
	103323	LOCKWASHER, 1/2" (12.9200)								4						
	103322	LOCKWASHER, 7/16" (12.9200)					6	6			6	6				
	271500	NUT, 7/16"-14 (12.9120)									5	5				
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.														
	12.4005	**- GASKET, AIR COMPRESSOR MOUNTING**														
	5131939	GASKET					1	1	1		1	1				
	12.4010	**- BRACKET, AIR COMPRESSOR MOUNTING**														
	5173022	BRACKET, SUPPORT (5.5379)	1													
	5145594	BRACKET					1									
	5145381	SUPPORT							1							
	5102393	BRACKET							1		1	1				
	5102396	BRACKET							1							
	5145415	SUPPORT									1	1				
	5102395	BRACKET									1	1				
	5140814	SPACER, .20" THICK (12.5015)	1													
	5182628	SPACER, 13/32"X.75"X.15" (12.4065)	1													
	5164294	SPACER, 1/8" THICK (7.1581)							2		2	2				
3B	**5145416**	SPACER, 1.50" THICK (6 HOLE)										1				
	5136821	SHIM, .002" THICK (7.1595)							AR		AR	AR				
	5136906	SHIM, .005" THICK (7.1595)							AR		AR	AR				
	8927581	BOLT, 3/8"-16X1" (12.9001)	1													

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	843	875	884	910	916	978	980	984	992	993	994	996	999
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)														
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1						1		1	1				
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)							2	2		2				
	8927582	BOLT, 3/8"-16X1 1/4" (12.9001)					4	4	1		1	1				
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)							2		2	2				
	9409917	BOLT, 3/8"-16X1 5/8' (12.9001)					1	1								
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)							2		2	2				
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)							2		2	1				
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)							1							
	5157571	STUD, 7/16"-14X3 1/4" (5.1020)							5							
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)							2		4	4				
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)					5	5	7		7	7				
	5108435	WASHER, 3/8"							1		1	1				
	103321	LOCKWASHER, 3/8" (12.9200)							6							
	103320	LOCKWASHER, 5/16" (12.9200)							2		2	2				
	103322	LOCKWASHER, 7/16" (12.9200)										1				
	102635	NUT, 3/8"-16 (12.9120)							5							
	456939	NUT, 7/16"-20 (12.9120)														
	271500	NUT, 7/16"-14 (12.9120)														
		12.4015 - PULLEY, AIR COMPRESSOR														
3B	5130964	PULLEY, 6.25" DIA., 2 GROOVES					1	1								
	5162966	PULLEY, 6.25" DIA., 2 GROOVES							1		1	1				
	103385	PIN, 1/8"X1" COTTER (12.9250)					1	1	1		1	1				
		12.4037 - PLATE, AIR COMPRESSOR DRIVE														
3C	5170450	PLATE (1.7630)	1	1	1	1				1			1	1	1	1
	5140814	SPACER, .20" THICK (12.5015)				1										
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)			1											
	5145092	BOLT, 3/8"-24X1.20" (12.5015)		4						4			4	4	4	4
3C	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4		3	4										
	5145431	NUT, 3/8"-24 JAM CAD.			1											
	9413533	NUT, 3/8"-24 JAM (12.9120)			1											
		12.4040 - HUB, AIR COMPRESSOR														
3C	5144866	HUB	1	1	1	1				1			1	1	1	1
	103375	PIN, 3/32" X 1 1/4" COTTER (12.9250)								1						
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE														
3C	5141773	COUPLING	1	1	1	1							1	1	1	1
	5140982	COUPLING								1						

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	843	875	884	910	916	978	980	984	992	993	994	996	999
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY														
	5135077	HOSE ASSY., 3/16" X 23" L.								1						
3C	**5126692**	HOSE ASSY., 3/16"X32"L.			1	1										
	5126693	HOSE ASSY., 3/16" X 29" L.											1			
3C	**5142098**	HOSE ASSY., #5X40"L. (7.4599)	1													
	5131146	HOSE ASSY., 3/16"X25" L.												1	1	1
3C	**5199575**	HOSE, #6 BULK (CUT L. 16") (12.8550)		1			1	1								
	5131828	HOSE ASSY., 3/16"X20" L.							1		1					
	5137424	HOSE ASSY., 3/16"X18" L.										1				
	105406	NIPPLE, 1/8"X1 1/2" L. (12.9560)												1	1	
	105418	TEE, 1/8" (4 WAY) (12.4065)												1	1	
	8925025	BUSHING, 1/2"X 1/8" RED. (12.9570)							1							
	8924163	BUSHING, 3/4"X1/2" RED. (12.7570)														2
	5199579	FITTING, 5/8"-18 MALE INV. FL. (12.8552)		1			1	1								
	5199588	FITTING, 5/8"-18 MALE INV. FL. 90 DEG. (12.8552)		1			1	1								
	8925726	ELBOW, 1/8"-45 DEG. ST. (12.9590)									1	1	1	1	1	1
	8924149	ELBOW, 1/4"-90 DEG. (12.9480)				2			2	2			1	1	1	1
	8924211	ELBOW, 1/2" PIPE X 3/8" TUBE (1.1100)														2
3C	**8926232**	ADAPTOR, 1/8" PIPE (12.9570)	1		1					1	1					
	8924153	ELBOW, 1/4" INV. FL. TUBE, 1/8" P.T. 90 DEG. (12.9480)	2													
	8924147	CONNECTOR, 1/4" INV. FL. TUBE, 1/8" P.T. 45 DEG. (12.9380)			2						1	1	1			1
	9432266	CONNECTOR, 3/8" TUBE (12.9460)		2												
	8924216	ELBOW, 3/8"-90 DEG. (12.9480)					2	2								
	5101020	STRAP (2.5255)								1						
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN														
3C	**5135293**	* HOSE, 5/8" X 10" L. (2.5060)							1							
3C	**5135293**	* HOSE, 5/8" X 15" L. (2.5060)						1								
3C	**5135293**	* HOSE, 5/8" X 11 1/2" L. (2.5060)					1				1	1				
	5113215	FITTING, 5/8" HOSE (12.6692)					1	1			1	1				
	5113192	FITTING, 5/8" HOSE (12.6689)					1	1	2		1	1				
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)					1									
	8924177	TEE, 3/8" PIPE (12.9616)					1									
	8924148	CONNECTOR, 1/2" INV. FL. TUBE 45 DEG. (12.9380)					1									
	8925591	PLUG, 3/8" PIPE (12.9550)					1									
	8925046	ELBOW, 5/8" TUBE 45 DEG. (12.9600)					1	1	1		1	1				
	8925076	ELBOW, 5/8" TUBE 90 DEG. (12.9390)							1							

* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	843	875	884	910	916	978	980	984	992	993	994	996	999
	12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE															
	2488022	CLIP, 3/8" COATED (12.8554)		1			1	1								
	5153473	CLIP, 1/2" TUBE (4.6040)	1		1					1						
	140582	CLIP, 1/2" TUBE CLOSED (12.9630)	1													
	125928	CLIP, 7/16" HOSE (12.9630)				1										
	5101020	STRAP, TIE (2.5255)	2													
	120393	WASHER, 5/16" (12.9190)			1											
	103320	LOCKWASHER, 5/16" (12.9200)			1											
	12.4085 - TUBE, AIR COMPRESSOR WATER INLET															
3C	**5199576**	HOSE, #8 BULK HOSE, 30" CUT L. (12.8550)		1												
3C	**5129157**	# HOSE, 1/2" X 10" L. (8.3830)					1									
3C	**5129157**	# HOSE, 1/2" X 38" L. (8.3830)											1	1		1
3C	**5129157**	# HOSE, 1/2" X 20 1/2" (8.3830)								1						
3C	**5129157**	# HOSE, 1/2" X 12 1/2" L. (8.3830)					1									
3C	**5129157**	# HOSE, 1/2" X 30 1/2" L. (8.3830)			1	1									1	
3C	**5129157**	# HOSE, 1/2" X 11" L. (8.3830)							1		1	1				
3C	**5129157**	# HOSE, 1/2" X 41" L. (8.3830)	1													
	5101260	COVER, 3/8" OFFSET HOLE (1.1060)							1							
	5115097	COVER, 3/8 TAPPED HOLE (1.1060)	1	1	1	1	1	1			1	1	1	1	1	1
	5120020	FITTING, 1/2" HOSE X 3/4"-16 (SWIVEL)						2	2	2	2	2			1	1
	5199580	FITTING, 3/8"-18 MALE INV. FL. (12.8552)		2												
	5102118	FITTING, 1/2 HOSE X 3/4"-16 (12.4090)					1									
	5173854	FITTING 1/2 HOSE X 3/4 -18 THREAD (12.3050)	2		2	2							1	1		
	5121825	FITTING, 1/2" HOSE (12.4090)											1	1	1	1
	5101020	STRAP, TIE (2.5255)												2	2	
	8924155	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	2	1	3	2							1	1		
	8924162	ELBOW, 3/8 INV. FL. TUBE 45 DEG. (12.9480)			1											
	8924201	ELBOW, 1/2 TUBE-45 DEG. (12.4090)													1	
	8924220	ELBOW, 1/2" 90 DEG. (3.5505)					1	1	1		1	1				
	8924150	ELBOW, 1/2" TUBE-90 DEG. (12.9390)					1	1		2						1
	8925722	NIPPLE, 3/8"X1" PIPE (12.9560)													1	
	8924169	CONNECTOR, 1/2" TUBE (12.9460)		1		1										
	8924148	CONNECTOR, 1/2" TUBE 45 DEG. (12.9380)					1	1			1	1				
	8926232	ADAPTOR, 1/8" PIPE(12.9570)														1
	8924177	TEE, 3/8"-18 PIPE (12.9616)		1					1		1	1	1	1		1
	444122	TEE, 3/8" PIPE (12.9616)													1	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	843	875	884	910	916	978	980	984	992	993	994	996	999
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)														
	8925710	DRAINCOCK, 3/8" (12.9510)														1
	8925718	BUSHING, 3/8"X1/8" RED. (12.9570)							1			1				
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2	2	2	2		2	2	2	2	2	2
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.														
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET														
	5138049	TUBE ASSY., 1/2"X5.62"L.	1													
	5129157	# HOSE, 1/2" X 6 1/2 (8.3830)							1		1	1				1
	5199576	HOSE (#8 BULK HOSE, 11" CUT L.) (12.8550)		1												
3C	5129157	# HOSE, 1/2" X 9" L. (8.3830)								1						
3C	5129157	# HOSE, 1/2" X 12 1/2" L. (8.3830)					1									
3C	5129157	# HOSE, 1/2" X 7 1/2" L. (8.3830)			1											
3C	5129157	# HOSE, 1/2" X 16 7/8" L. (8.3830)				1							1		1	
	5123352	COVER, 3/8" TAPPED HOLE (1.2043)	1	1	1					1			1	1	1	1
	5116242	GASKET, COVER (1.2044)								1						
	5102118	FITTING, #8" HOSE X 3/4"-16								1						
	5120020	FITTING, 1/2" HOSE (12.4085)					3		1	1	1	1		2		2
	5199580	FITTING, 3/8"-18 MALE INV. FL. (12.8552)		2												
	5121825	FITTING, 1/2" HOSE							1		1	1	1			
	5173854	FITTING, 1/2" HOSE X 3/4" (12.3050)			2	2							1		2	
	8924177	TEE, 3/8" PIPE (12.9616)					1									
	8924169	CONNECTOR, 1/2" TUBE (12.9460)	1	1	1											
	8924148	CONNECTOR, 1/2" TUBE 45 DEG. (12.9380)					1			2				1		
	8924155	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9480)	1	1	1								1		2	
	8924201	ELBOW, 1/2"-45 DEG.												1		1
	8924220	ELBOW, 1/2"-90 DEG. (3.5505)					1				1	1				
	8925034	ELBOW, 3/8"-45 DEG. ST. (12.9590)							1		1	1				
	8924175	ELBOW, 3/8"-90 DEG. ST. (12.9590)								1						
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)					1				1	1				1
	8924162	ELBOW, 1/2" TUBE 45 DEG. (12.9480)												1		
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.														
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE														
	2362448	CLIP, 1/2" HOSE (12.8554)		1												
	5151189	CLIP, 3/4" SPECIAL (4.8040)	2		1	1				1			1		1	
	5153473	CLIP, 1/2" TUBE (4.6040)				1										
	5127861	BRACKET (7.1587)		1						1						
	5173022	BRACKET (5.5379)			1	1										
	5157412	SPACER, 7/8"X1/4" (7.4013)							1							
	186625	BOLT, 5/16"-18X7/8" (12.9001)			1											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)				1										
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)				1										
	8927581	BOLT, 3/8"-16 X 1" (12.9001)								1						
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)							1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 840	843	875	884	910	916	978	980	984	992	993	994	996	999
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)														
	181361	BOLT, 3/8"-24X7/8" (12.9001)	1													
	186627	BOLT, 3/8"-24X1" (12.9001)		1												
	120393	WASHER, 5/16" (12.9190)			1											
	103341	WASHER, 3/8" (12.9190)	1			1										
	103320	LOCKWASHER, 5/16" (12.9200)			1											
	103321	LOCKWASHER, 3/8" (12.9200)	1	1		1				1						
	120376	NUT, 5/16"-18 (12.9120)			1											
	102635	NUT, 3/8"-16 (12.9120)								1						
	117049	NUT, 3/8"-24 (12.9120)	1	1		1										
		12.4300 - STRAINER, AIR COMPRESSOR ON COMPRESSOR														
3C	5110411	STRAINER ASSY.			1	1	1				1				1	
	8925247	ELEMENT (B.W. 239292)			AR	AR	AR				AR				AR	
3C	5110410	GASKET			1	1	1				1				1	1
	186629	BOLT, 5/16"-18X1" (12.9001)														2
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)			2	2	2				2				2	
3C	103320	LOCKWASHER, 5/16" (12.9200)			2	2	2				2				2	2
		12.4305 - GOVERNOR KIT, AIR COMPRESSOR														
	5144307	KIT, GOVERNOR (INCLUDES ATTACHING PARTS)													1	
		12.4375 - TUBE, AIR COMPRESSOR BOOSTER														
3C	5129157	+ HOSE, 1/2 X 2 7/8" (8.3830)	1													
	5138542	+ HOSE, 3/4" X 24 1/4"														1
	5173854	*FITTING, 1/2" HOSE X 3/4"-18 INV. FL. TUBE (12.3050)*	1													
	5132103	FLANGE	1													1
	186629	BOLT, 5/16 -18X1" (12.9001)	2													
	103320	LOCKWASHER, 5/16" (12.9200)	2													
		+ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.														
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.														
	5155664	CLIP, 1" (4.1570)														1
	9139801	CLAMP, 5/8" HOSE (12.9660)	1													2
	5101020	STRAP, TIE (2.5255)														2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1002	1003	1005	1006	1007	1008	1009	1017	1050	1052	1053	1083	1084
	12.4001	**- COMPRESSOR ASSY., AIR**														
		• FOR TYPE 1000 USE TYPE 1187 ▪ • FOR TYPE 1051 USE TYPE 1259 ▪ COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTINGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.														
3C	**5101017**	COMPRESSOR ASSY. 12CFM (B.W. 285970)	1													
3B	**5102067**	COMPRESSOR ASSY. 12CFM (B.W. 285923)		1			1						1			
3C	**5100886**	COMPRESSOR ASSY. 12CFM (B.W. 285991)			1											
	5102068	COMPRESSOR ASSY. 12CFM (B.W. 285925)				1										
3B	**5102066**	COMPRESSOR ASSY. 12CFM (B.W. 285924)						1	1						1	
3C	**5133913**	COMPRESSOR ASSY. 12CFM (B.W. 278861)								1						
3B	**5145615**	+ COMPRESSOR ASSY. 7 1/4 CFM (B.W. 283368) (5106137-M.R. #N5309)									1					
3B	**5105203**	COMPRESSOR ASSY. 12CFM (B.W. 283368)										1				
3B	**5105198**	COMPRESSOR ASSY. 12CFM (VAR6A #ECCS-0009-1)												1		
3B	**5105236**	COMPRESSOR ASSY. 12CFM (B.W. 264387) (5101405-B.W. 286692)														1
	8925710	DRAINCOCK, 3/8" (12.9510)													1	
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)								1						
	8924380	PLUG, 1/8" PIPE (12.9550)									1	1				1
	8924517	PLUG, 3/8" PIPE (12.9550)									6	6				6
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4		4					4						
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		1												
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)												4	4	
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)												4	6	
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		5												
	5132715	WASHER, .53" I.D. X .94" O.D. X .12" THK (1.3140)			2											
	103322	LOCKWASHER, 7/16" (12.9200)		6										4	6	
	103323	LOCKWASHER, 1/2" (12.9200)			2											
	271500	NUT, 7/16"-14 (12.9120)		5												
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE DDA PART NUMBER SHOWN IN PARENTHESES.														
	12.4005	**- GASKET, AIR COMPRESSOR MOUNTING**														
	5131939	GASKET		1		1	1	1	1		2	1	2	1	1	1
	5110410	GASKET (12.4300)									1					
	12.4010	**- BRACKET, AIR COMPRESSOR MOUNTING**														
	5102396	BRACKET						1								
	5102393	BRACKET (TO HEAD)		1				1	1							
	5102395	BRACKET, UPPER		1		1	1		1							
	5102392	BRACKET				1										
	5102394	BRACKET, UPPER					1									
	5133103	BRACKET, UPPER										1				1
	5145711	BRACKET									1			1	1	

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12.4000A AIR COMPRESSOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1002	1003	1005	1006	1007	1008	1009	1017	1050	1052	1053	1083	1084
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)														
	5145594	BRACKET											1			
3B	**5137897**	SUPPORT					1									
	5145381	SUPPORT						1								
	5145415	SUPPORT		1		1			1			1				1
	5145417	PLATE					1									
	5130236	PLATE (12.3020)									1		1			
	5164294	SPACER, 1/8" THICK (7.1581)		1		2	2	2	2							
	5145596	SPACER, .88" THICK				1										
	5145416	SPACER, 1.50" THICK (6 HOLE MTG.)						1	1							

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1002	1003	1005	1006	1007	1008	1009	1017	1050	1052	1053	1083	1084
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)														
	5136821	SHIM, .002" THICK (7.1595)		AR		AR	AR	AR	AR			AR				AR
	5136906	SHIM, .005" THICK (7.1595)		AR		AR	AR	AR	AR			AR				AR
	5157571	STUD, 7/16"-14-20 X 3 1/4" (5.1020)						1	1							
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)									2		2			
	181399	BOLT, 7/16"-20X1 3/8" (12.9001)									2		2			
	5108435	WASHER, 3/8"		2		4	6	4	4			7				6
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		1		1	1	1	1			1				1
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)									2					
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)									2		2			
	8927582	BOLT, 3/8"-16X1 1/8" (12.9001)		2		2	2	2	2							
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1		1	1	1	1		4	3	4			3
	9409917	BOLT, 3/8"-16X1 5/8" (12.9001)		2		2	2	2	2			2				2
	5157244	BOLT, 3/8"-16 X 1 3/4" (4.4190)									1		1	1	1	
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		2		2	2		2							
	427588	BOLT, 3/8"-16 X 2 1/2" (12.9001)										3				3
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)									2	4	2			4
	179871	BOLT, 7/16"-14X3 1/4" (12.9001)						5	5							
	193221	BOLT, 7/16"-14X1 1/4" (12.9001)				10										
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)				2	10									
	5128076	BOLT, 7/16"-14X4"					1									
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)				2	2	2	2							
	103342	WASHER, 7/16" (12.9190)					2				2		2			
	103320	LOCKWASHER, 5/16" (12.9200)		1		1	1	1	1		4	1	2			1
	103321	LOCKWASHER, 3/8" (12.9200)		7		7	5	5	5		5	1	5	5	5	7
	103322	LOCKWASHER, 7/16" (12.9200)				12	10	6	6		6	4	6			4
	102635	NUT, 3/8"-16 (12.9120)		2		2		2	2							
	441292	NUT, 7/16"-14 (12.9120)					1									
	271500	NUT, 7/16"-14 (12.9120)						5	5			4				4
	456939	NUT, 7/16"-20 (12.9120)						1	1							
		12.4015 - PULLEY, AIR COMPRESSOR														
3B	**5162966**	PULLEY, 6.25" DIA., 2 GROOVES, .500"W.)		1				1	1			1				1
3B	**5177009**	PULLEY, 6.25" DIA., 2 GROOVES 1/2				1										
	5130964	PULLEY, 6.25" DIA., 2 GROOVES									1		1	1	1	
3B	**5139653**	PULLEY, 7.50" DIA., POLY-VEE GROOVES					1									
3B	**103385**	PIN, 1/8" X 1" COTTER (12.9250)		1		1	1	1	1		1	1	1		1	1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE														
3C	**5170450**	PLATE (1.7630)	1		1					1						
3C	**5145092**	BOLT, 3/8"-24X1.20" LKG. (12.9001)	4		4					4						
		12.4040 - HUB, AIR COMPRESSOR														
3C	**5144866**	HUB	1		1					1						

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1002	1003	1005	1006	1007	1008	1009	1017	1050	1052	1053	1083	1084
		12.4045 - BELT, AIR COMPRESSOR DRIVE														
		ALL BELTS UNLESS INDICATED (M.S.) MILITARY STANDARD ARE PREMIUM POLYESTER BELTS.														
	5140187	BELT, 45" L.-POLY-VEE (1.3320)					1									
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE														
	5141773	COUPLING, 2.54" L.	1							1						
	5140982	COUPLING, 1.85" L.			1											
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY														
	5131146	HOSE, 25" L.	1		1											
	5131828	HOSE, 20" L.		1		1	1	1				1				1
	5137424	HOSE, 18" L.							1							
	5199575	+ HOSE, #6 BULK (CUT L. 16") (12.8550)											1		1	
	5199575	+ HOSE, #6 BULK (CUT L. 24") (12.8550)								1						
	5199575	+ HOSE, #6 BULK (CUT L. 15") (12.8550)									1					
	5199575	+ HOSE, #6 BULK (CUT L. 19") (12.8550)												1		
	5199579	FITTING, #6 HOSE-STRAIGHT (12.8552)								1	2		1	2	1	
	5199588	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.)								1						
	5199593	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (45 DEG.)											1		1	
	8925726	ELBOW, 1/8"-45 DEG. STR. (12.9590)		1	1	1	2		1			1				1
	8924213	ELBOW, 1/8"-90 DEG. STR. (12.9590)						1								
	8924149	ELBOW, 1/4" FL. TUBE - 90 DEG. (12.9480)	1	1		1	1	1	1			1				1
	8924147	CONN., 1/4" TUBE (12.9380)	1		1											
	8924216	ELBOW, 3/8" - 90 DEG. (12.9480)									2		2	2		
	8926232	ADAPTOR, 1/8" PIPE (12.9570)			1									1		
	9432266	CONNECTOR, 3/8" INV. FL. (12.9460)								2						
	105406	NIPPLE, 1/8" PIPE X 1/2" L. (12.9560)	1													
	105404	NIPPLE, 1/8" PIPE 3/4" L. (12.9560)					1									
	105418	TEE, 1/8" PIPE 4 WAY	1				1									
	8924517	PLUG, 3/8"-18 PIPE (12.9550)			1											
	5146648	PLUG, 1/2" PIPE (1.3162)										1				1
		+ BULK HOSE, CUT TO LENGTH SHOWN.														
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN														
	5135293	* HOSE, 5/8" X 11 1/2" L. (2.5060)		1			1		1		1	1	1		1	
	5135293	* HOSE, 5/8" X 10" L. (2.5060)				1		1								
	5135293	* HOSE, 5/8" X 10 1/2" L. (2.5060)														1
	5135293	* HOSE, 5/8" X 16" L. (2.5060)									1			1		
	8925046	ELBOW, 5/8"-45 DEG. (12.9600)		1			2	1	1		1	1	1	1	1	1
	8925076	ELBOW, 5/8"-90 DEG. (12.9390)				1		1								
	444262	+ TEE, 1/2" PIPE (12.9496)				1										
	8924163	BUSHING, 3/4"X1/2"RED. (12.9570)									1					
	8924158	BUSHING, 1/2" X 3/8" (12.9570)											1			
	5113192	FITTING, 5/8" HOSE-SWIVEL (12.6689)		1		1	2	2	1		1	1	1	1	1	1
	5113215	FITTING, 5/8" HOSE (12.6692)				1			1		1	1	1	1	1	1
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		+ OBSOLETE.														

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1001	1002	1003	1005	1006	1007	1008	1009	1017	1050	1052	1053	1083	1084
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE														
	2488022	CLIP, 3/8" COATED (12.8554)									1		1	1	1	
	5114551	TAG, CABLE (7.4545)		1		1	1	1	1			1				1
	5101020	STRAP (2.5255)	1							2						
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET														
3C	5129157	* HOSE, #8 X 38" L. (8.3830)	1													
3C	5129157	* HOSE, #8 X 11" L. (8.3830)		1		1	1	1	1							
3C	5129157	* HOSE, #8 X 12 1/2" L. (8.3830)									1			1		
3C	5129157	* HOSE, #8 X 10" L. (8.3830)										1	1		1	1
3C	5129157	* HOSE, #8 X 29" L. (8.3830)			1											
	5123320	HOSE, 13/32" X 38" L. (W/FITTINGS) (4.4330)								1						
	5115097	COVER, 3/8" PIPE HOLE (1.1060)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	8924155	ELBOW, 1/2" INV. FL.-90 DEG. (12.9480)	1													
	8924220	ELBOW, 1/2"-90 DEG. (3.5505)		1	1	1	1	1	1				1		1	
	8924150	ELBOW, 1/2"-90 DEG. (12.9390)								1	3	1	1	1		1
	5121825	FITTING, 1/2" HOSE X 3/8"-18 (12.4090)	1		1		1					1				1
	5173854	FITTING, 1/2" HOSE X 3/4"-18 (12.3050)	1													
	5120020	FITTING, 1/2" HOSE X 3/4"-16	3	2	1	1	2	2			2	1		2		1
	8924177	TEE, 3/8" PIPE (12.9616)	1	1	1	1	1	1	1	1		1				1
	8925718	BUSHING, 3/8" X 1/8" RED. (12.9570)		1				1	1							1
	8924148	CONNECTOR, 1/2" TUBE (12.9380)		1		1		1	1	1				1		
	8925710	DRAINCOCK, 3/8" PIPE (12.9510)	1		1		1			2		1		1		
	8926979	DRAINCOCK, 1/8" (12.9510)		1				1	1							1
	8924517	PLUG, 3/8" PIPE (12.9550)										1				
	186625	BOLT, 5/16"-18 X 7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2		2				
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET														
3C	5129157	% HOSE, 1/2" X 6 1/2" L. (8.3830)	1	1	1	1		1	1			1				1
3C	5129157	% HOSE, 1/2" X 10" L. (8.3830)					1				1			1		
3C	5129157	% HOSE, 1/2" X 12 1/2" L. (8.3830)											1		1	
	5199576	% HOSE, #8 BULK (CUT LENGTH 11") (12.8550)								1						
	5123352	COVER (3/8" PIPE HOLE) (1.2043)	1		1					1						
	5199580	FITTING, #8 HOSE (12.8552)								2						
	5120020	FITTING, 1/2" HOSE-SWIVEL (12.4085)	2	1	1	1	1	1	1		1		1	2	4	

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10001	10002	10003	10005	10006	10007	10008	10009	10017	10050	10052	10053	10083	10084
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET (CONT'D)														
	5121825	FITTING, 1/2" HOSE		1		1	1	1	1		1	1				1
	5173854	FITTING, 1/2" HOSE (12.3050)										1				1
	5102118	FITTING, 1/2" HOSE 3/4-16			1								2			
	8924158	BUSHING, 1/2" X 3/8" RED. (12.9570)		1		1	1	1	1			1	1	2		1
	8925034	ELBOW, 3/8"-45 DEG. ST. (12.9590)		1		1		1	1			1				1
	8924201	ELBOW, 1/2" TUBE 45 DEG.	1													
	8924150	ELBOW, 1/2" TUBE 90 DEG.X3/8"P.T. (12.9390)			1									2	1	
	8924220	ELBOW, 1/2"-90 DEG. (3.5505)		1	1	1	1	1	1		1					
	8924155	ELBOW, 1/2" INV.FL.-90 DEG.(12.9480)								1		1				1
	8924177	TEE, 3/8"-18 PIPE (12.9616)											1			
	8924169	CONNECTOR, 1/2" INV. FL. (12.9460)								1		1				
	8924148	CONNECTOR, 1/2" INV. FL. TUBE 45 DEG. (12.9380)									1		2		1	
	8925591	PLUG, 3/8" PIPE (12.9550)											1			
		% BULK HOSE, CUT TO LENGTH SHOWN.														
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE														
	5151189	CLIP, 3/4" (4.8040)			1											
	5101020	STRAP (2.5255)			1											
	5157412	SPACER (7.4013)			1											
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)			1											
		12.4300 - STRAINER, AIR COMPRESSOR ON COMPRESSOR														
C	5110411	STRAINER ASSY.	1		1								1			
	8925247	ELEMENT (B.W. 239292)	AR		AR								AR			
3C	5110410	* GASKET	1													1
3C	179816	BOLT, 5/16"-18 X 3/4" (12.9001)														2
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2		2								2			
3C	103320	LOCKWASHER, 5/16" (12.9200)	2		2								2			2
		* FURNISHED WITH COMPRESSOR.														
		12.4375 - TUBE, AIR COMPRESSOR BOOSTER														
	5141107	TUBE (12.6408)		1												1
	5118149	@ HOSE, 1"X2 1/2"L. (4.1642)		2												2
	8924198	CONNECTOR, 3/4"-25 DEG. (5.1235)		1												1
	2337379	CLAMP, 1 1/2" HOSE (12.9660)		4												
	5105130	CLAMP, 1 1/2" HOSE (4.8175)														4
	8924187	ELBOW, 3/4"X1" RED. (5.2161)		1												1
	5189769	ELBOW, 90 DEG.		1												1
	5180189	COVER, CYL. BLK. HOLE (1.1040)		1												1
	5110410	* GASKET (12.4300)		1												
	5137425	CLAMP, COVER (1.1040)		1												1
	5142549	PLUG, 3/4"-14 PIPE (12.9550)														1
	181377	BOLT, 3/8"-24X1 3/4" (12.9001)		1												1
	179816	BOLT, 5/16"-18X 3/4" (12.9001)		2												
	103320	LOCKWASHER, 5/16" (12.9200)		2												
		* FURNISHED WITH COMPRESSOR.														
		@ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.														

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10855	10888	10889	10900	10924	10945	10966	10977	10988	10999	11000	11011
	12.4001	**- COMPRESSOR ASSY., AIR**												
		NOTE:SERVICE ON COMPONENT PARTS OF AIR COMPRESSOR ASSY. IS HANDLED BY MIDLAND ROSS CORP. (FURNISH THEIR ASS Y. PART NUMBER WHICH IS SHOWN IN PARENTHESES.) ALL ITEMS LISTED IN THIS SECTION ARE SERVICED BY DETROIT DIE SEL ALLISON.												
3B	**5106137**	COMPRESSOR ASSY., 7 1/4 CFM (M.R. #N5309)	1										1	1
3C	**5106140**	COMPRESSOR ASSY., 7 1/4 CFM (M.R. #N5504B)		1	1	1								
3C	**5106139**	COMPRESSOR ASSY., 7 1/4 CFM (M.R. #N5504A)					1	1	1	1				
3B,C	**5106138**	COMPRESSOR ASSY., 7 1/4 CFM (M.R. #N5309A)								1	1	1		
	8924517	PLUG, 3/8" PIPE (12.9550)	2	2	2	2	2	2	2	2	2	2	2	2
	8924380	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1		1	1	1	1
	103375	PIN, 3/32"X1 1/4"COTTER (12.9250)		1	1	1	1	1	1		1			
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)										2		2
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)								1	6			
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)	6									6		6
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)								5				
	181396	BOLT, 7/16"-20X1 1/8" (12.9001)											2	
	181399	BOLT, 7/16"-20X1 3/8" (12.9001)											6	
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)		4	4	4	4	4	4	4				
	103342	WASHER, 7/16" (12.9190)											2	
	103320	LOCKWASHER, 5/16" (12.9200)										2		2
	103322	LOCKWASHER, 7/16" (12.9200)	6							6	6	6	4	6
	271500	NUT, 7/16"-14 (12.9120)								5				
	12.4005	**- GASKET, AIR COMPRESSOR MOUNTING**												
	5131939	GASKET	1							1	1	1	2	1
	12.4010	**- BRACKET, AIR COMPRESSOR MOUNTING**												
	5145711	BRACKET	1										1	1
	5145415	SUPPORT								1				
	5106376	BRACKET, UPPER								1				
	5137897	SUPPORT									1			
	5140443	BRACKET, UPPER									1			
	5140444	BRACKET, LOWER									1			
	5145594	BRACKET										1		
	5136821	SHIM, .002" (7.1595)								1	1			
	5136906	SHIM, .005" (7.1595)								1	1			
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)								1	1			
	106327	BOLT, 5/16"-18X1 3/8" (12.9001)								2	2			

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1088	1089	1090	1092	1094	1095	1096	1097	1098	1099	1100	1101
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)													
	179827	BOLT, 5/16"-18X2 1/4" (12.9001)												2	
	100015	BOLT, 5/16"-24X1 1/4" (12.9001)												2	
	8927580	BOLT, 3/8"-16X7/8" (12.9001)										2			
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)	4								1	1	4	4	4
	5157244	BOLT, 3/8"-16X1 3/4" (4.4190)	1										1	1	1
	9409917	BOLT, 3/8"-16X1 5/8" (12.9001)									2				
	9409215	BOLT, 3/8"-16 X 1 1/4" (12.9001)										2			
	427588	BOLT, 3/8"-16X2 1/2" (12.9001)									3	3			
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)										4			
	5128076	BOLT, 7/16"-14 X 4" HEX. H.D. (SPECIAL)										1			
	5108435	WASHER, 3/8" HARDENED									7	4			
	103341	WASHER, 3/8" (12.9190)										3			
	103342	WASHER, 7/16" (12.9190)										6			
	120392	WASHER, 5/16" (12.9190)										1			
	103320	LOCKWASHER, 5/16" (12.9200)									3	3		4	
	103321	LOCKWASHER, 3/8" (12.9200)	5								1	3	5	5	5
	103322	LOCKWASHER, 7/16" (12.9200)										4			6
	102635	NUT, 3/8"-16 (12.9120)										2			
	441292	NUT, 7/16"-14 (12.9120)										1			
		12.4015 - PULLEY, AIR COMPRESSOR													
	5130964	PULLEY (6.25" DIA., 2 GROOVES)	1										1	1	1
	5162966	PULLEY (6.25" DIA., 2 GROOVES)									1				
	103385	PIN, 1/8"X1" COTTER (12.9250)	1								1		1	1	1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE													
	5170450	PLATE (1.7630)		1	1	1	1	1	1	1					
	5145417	PLATE (12.4010)										1			
	5130236	PLATE (ADAPTOR) (12.3020)												1	
	5140814	SPACER (12.5015)						1	1						
	5108836	STUD, 3/8"-24 X 1 3/4" (12.5015)		1	1	1	1								
	5145092	BOLT, 3/8"-24X1.20" (12.5015)								4					
	5145091	BOLT, 3/8"-24X1.38" (12.5015)		3	3	3	3	4	4						
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)										4			
	179862	BOLT, 7/16"-14X1 1/2" (12.9001)												2	
	103322	LOCKWASHER, 7/16" (12.9200)												2	
	5145431	NUT, 3/8"-24 JAM CAD. (12.9120)		1	1	1	1								
	9413533	NUT, 3/8"-24 JAM (12.9120)		1	1	1	1								
		12.4040 - HUB, AIR COMPRESSOR													
3C	5144866	HUB		1	1	1	1	1	1	1					

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1088	1089	1090	1092	1094	1095	1096	1097	1098	1099	1100	1101
		12.4045 - BELT, AIR COMPRESSOR DRIVE													
	5140187	BELT (45.00" L.) (POLY-VEE, 4 GROOVE) (1.3320)										1			
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE													
	5141773	COUPLING		1	1	1	1	1	1	1					
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY													
	5131140	HOSE, 36" L.		1											
	5126693	HOSE, 29" L.			1		1	1							
	5130799	HOSE, 42" L. (7.4074)				1									
	5199575	# HOSE, BULK #6 (CUT L. 10 1/2") (12.8550)	1												
	5199575	# HOSE, BULK #6 (CUT L. 16") (12.8550)												1	
	5139343	HOSE, 28 1/2" L. (3.5500)						1							
	5142098	HOSE, 40" L. (7.4599)							1						
	5131146	HOSE, 25" L.								1					
	5131828	HOSE, 20" L.									1	1			
	5199575	# HOSE, BULK #6 (CUT L. 10 1/2") (12.8550)											1		1
	8925609	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)						1							
	8924147	CONNECTOR, 1/4" TUBE, 1/8" P.T. 45 DEG. (12.9380)			1		1	1		1					
	8924151	ELBOW, 1/8" STREET 90 DEG. (12.9590)		1		1									
	8924213	ELBOW, 1/8" STREET 90 DEG. (12.9590)					1	1							
	8925726	ELBOW, 1/8" STREET 45 DEG. (12.9550)								1					
	8924149	ELBOW, 1/4" TUBE-1/8" P.T. 90 DEG. (12.9480)			1		1	1		1					
	8924153	ELBOW, 5/16" TUBE, 90 DEG.							2						
	8924216	ELBOW, 3/8" TUBE 90 DEG. (12.9480)	2										2	2	2
	8925046	ELBOW, 5/8" PIPE 45 DEG. (12.9660)									1	2			
	5199579	FITTING, 5/8"-18 INV. FL. TUBE (12.8552)	2										2		
	105406	NIPPLE, 1/8"X1 1/2" PIPE (12.9560)								1					
	8924380	PLUG, 1/8" PIPE (12.9550)								2					
	8926232	ADAPTOR, 1/8" PIPE (12.9570)	1					1	1				1	1	1
	8925724	TEE, TWO-WAY 5/16" TUBE (12.9490)						1							
	105418	TEE, 1/8" PIPE								1					
		+ USED WITH VACUUM PUMP.													
		# STD. LENGTH HOSE, CUT TO LENGTH SHOWN.													
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN													
	5135293	* HOSE, 11.50" L. (2.5060)	1								1	1	1	1	1
	5135293	* HOSE, 16" L. (2.5060)												1	1
	5113215	FITTING, MALE 5/8" HOSE 1/2"-14 (12.6692)	1								1		1	1	1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 10855	10888	10889	10900	10902	10904	10905	10906	10907	10908	10909	11000	11001
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN (CONT'D)													
	5113192	FITTING, 5/8" HOSE X 5/8" FL. TUBE SWIVEL) (12.6689)	1								1	2	1	1	1
	5114551	TAG, CABLE (7.4545)										1			
	8925046	ELBOW, 5/8" PIPE 45 DEG. (12.9600)	1										1	1	1
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)												1	1
	114505	NUT, 1/2"-13 (12.9120)										1			
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.													
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE													
	2488022	CLIP, #6 HOSE (12.8554)	1										1	1	1
	5153473	CLIP, 1/2" TUBE (4.6040)		1	1	1	1	1	1						
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET													
3C	5129157	+ HOSE, 12 1/2" (8.3830)	1											1	1
3C	5129157	+ HOSE, 36 1/2" (8.3830)		1					1						
3C	5129157	+ HOSE, 30 1/2" (8.3830)			1		1								
3C	5129157	+ HOSE, 27" L. (8.3830)						1							
3C	5129157	+ HOSE, 38" L. (8.3830)				1				1					
3C	5129157	+ HOSE, 10" L. (8.3830)									1	1	1		
	5115097	COVER (1.1060)	1	1		1	1		1		1	1	1	1	1
	5101260	COVER (1.1060)								1					
	8924517	PLUG, 3/8"-18 (12.9550)								2					
	8925034	ELBOW, 3/8"-45 DEG. STREET(12.9550)									1				
	8924150	ELBOW, 1/2" FL. TUBE 90 DEG. X3/8" P.T. (12.9390)	2	2	1	2	2	2	2	1	1	1	2	3	3
	8924155	ELBOW, 90 DEG., 1/2" INV. FL. TUBE (12.4095)									1				
	8924148	CONNECTOR, 1/2" FL. TUBE (12.9380)				1									
	5173854	FITTING, 1/2"X3/4"P.T. (12.3050)									1				
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL)	3	2	1	3	2	2	2	1	1	1	2	2	2
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE (12.4090)			1					1	1	1			
	186625	BOLT, 5/16"-18X7/8"(12.9001)	2	2		2	2		2	2	2	2	2	2	2
	8924177	TEE, 3/8"-18 PIPE (12.9616)								1	1	1			
	8925710	DRAINCOCK, 3/8" (12.9510)								1		1			
	8926979	DRAINCOCK, 1/8" (12.9510)									1				
	5146648	PLUG, 1/2" PIPE (1.3162)									1	1			
	8925718	BUSHING, 3/8"X1/8" RED. (12.9570)									1				
	8924158	BUSHING, 1/2" X 3/8" RED. (12.9570)									1	1	1		
	103320	LOCKWASHER, 5/16" (12.9200)				2									
		+ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.													

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1088	1089	1090	1092	1094	1095	1096	1097	1098	1099	1100	1101
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET													
3C	5129157	+ HOSE, 10" L. (8.3830)	1											1	1
3C	5129157	+ HOSE, 12 1/2" L. (8.3830)		1	1	1	1	1	1				1		
3C	5129157	+ HOSE, 16 7/8" L. (8.3830)								1					
3C	5129157	+ HOSE, 6 1/2" L. (8.3830)									1	1			
	5123352	COVER (1.2043)		1	1	1	1	1	1	1					
	5150023	COVER (1.1060)										1			
	8925726	ELBOW, 1/8" STREET 45 DEG. (12.9590)									1	2			
	8924149	ELBOW, 1/4" TUBE 90 DEG. (12.9480)		1		1					1	1			
	8925034	ELBOW, 3/8" STREET 45 DEG. (12.9590)										1			
	8924155	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.4095)								2					
	8924150	ELBOW, 1/2" TUBE 90 DEG. X 3/8" P.T. (12.9390)	1	1	1	1	1	1	1			1	1		
	8924148	CONNECTOR, 1/2" FL. TUBE (12.9380)	1	1	1	1	1	1	1					1	1
	5120020	FITTING, 1/2" HOSE X 1/2" FL. TUBE SWIVEL (12.4085)	2	3	2	1	1	2	1			1	1	1	2
	5173854	FITTING, 1/2" HOSE X 3/4" (12.3050)								2					
	5121825	FITTING, 1/2" HOSE X 3/8" EXT. PIPE									1	1	1	1	
	105404	NIPPLE, 1/8"X3/4" PIPE (12.9560)										1			
	8924380	PLUG, 1/8" PIPE (12.9550)										2			
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)										2			
	105418	CROSS, 1/8" PIPE (12.4065)										1			
		+ STD. LENGTH HOSE; CUT TO LENGTH SHOWN.													
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE													
	5173022	BRACKET (5.5379)		1	1	1	1	1	1						
	5101020	STRAP (2.5255)								2					
	5160629	SPACER, 13/32" X 7/32" (4.2270)		1		1									
	5182628	SPACER, 13/32"X.75"X.15" (12.4065)						1	1						
	5157412	SPACER, 7/8"X13/32"X1/4" (7.4013)								1					
	5151189	CLIP, 3/4" (4.8040)		2	1	2	1	2	2	1					
	186625	BOLT, 5/16"-18X7/8" (12.9001)		1	1	1									
	8927581	BOLT, 3/8"-16X1" (12.9001)				1		1	1						
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)					1	1	1						
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)								1					
	181361	BOLT, 3/8"-24X7/8" (12.9001)							1						
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)					1	1							
	120393	WASHER, 5/16" (12.9190)			1	1									
	103341	WASHER, 3/8" (12.9190)					1	1	1						
	103320	LOCKWASHER, 5/16" (12.9200)		1	1	1									
	103321	LOCKWASHER, 3/8" (12.9200)					1		1						
	120376	NUT, 5/16"-18 (12.9120)		1	1	1									
	117049	NUT, 3/8"-24 (12.9120)					1	1	1						
		12.4300 - STRAINER, AIR COMPRESSOR ON COMPRESSOR													
3C	5110411	STRAINER	1	1	1	1				1	1		1	1	
	8925247	ELEMENT (B.W. 239292)	AR	AR	AR	AR				AR	AR		AR	AR	
3C	5110410	GASKET	1	1	1	1				1	1		1		
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2	2	2				2	2				
3C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2				2	2				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1088	1089	1090	1092	1094	1095	1096	1097	1098	1099	1100	1101
		12.4305 - GOVERNOR KIT, AIR COMPRESSOR													
	5144307	KIT, GOVERNOR (INCLUDES ATTACHING PARTS)								1					
		12.4375 - TUBE, AIR COMPRESSOR BOOSTER													
	5132103	FLANGE							1						
	186629	BOLT, 5/16"-18X1" (12.9001)							2						
	103320	LOCKWASHER, 5/16" (12.9200)							2						

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1085	1088	1089	1090	1092	1094	1095	1096	1097	1098	1099	1100	1101
	12.4380	**GASKET, AIR COMPRESSOR BOOSTER TUBE**													
	5110410	GASKET (12.4300)							1			1			

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12.4000A AIR COMPRESSOR

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1103	1117	1122	1128	1129	1133	1135	1155	1165	1167	1168	1173	1187
	12.4001	**- COMPRESSOR ASSY., AIR**													
		FOR TYPE 1162 USE TYPE 1216. COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTI NGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.													
3C	**5101017**	COMPRESSOR ASSY., 12CFM (B.W. 285970)	1	1											1
3C	**5106140**	COMPRESSOR ASSY., 7 1/4 CFM (M.R. #N5504B)			1								1		
3B	**5145614**	+ COMPRESSOR ASSY., 7 1/4 CFM (B.W. 283368) (5106138-M.R. #N5309A)				1									
3B	**5106138**	COMPRESSOR ASSY., 7 1/4 CFM (M.R. #N5309A)					1			1					
3C	**5106139**	COMPRESSOR ASSY., 7 1/4 CFM (M.R. #5504A)						1				1			
3B	**8920986**	COMPRESSOR ASSY., 12CFM (M.R. #N7002W)							1						
	5102067	COMPRESSOR ASSY., 12CFM (B.W. 285923)												1	
	5101018	COMPRESSOR ASSY., 12CFM (B.W. 285977)									1				
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4	4			4			4	4	4		4
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)			1			1			1	1	1		
	8924380	PLUG, 1/8" PIPE (12.9550)			1		1	1				1	1		
	8924517	PLUG, 3/8" PIPE (12.9550)		6	2	6	2	2		2		2	2		
	8925710	DRAINCOCK, 3/8" PIPE (12.9510)	1	1	1										
		+ NOT SERVICED; FOR COMPLETE REPLACEMENT USE PART NUMBER SHOWN IN PARENTHESES.													
	12.4010	**- BRACKET, AIR COMPRESSOR MOUNTING**													
	5145594	BRACKET				1	1							1	
	5107424	BRACKET							1						
	5102395	BRACKET							1						
	8920774	BRACKET								1					
	5145415	SUPPORT							1						
	5136821	SHIM, .002" (7.1595)							AR						
	5136906	SHIM, .005" (7.1595)							AR						
	5130236	PLATE				1	1			1				1	
	5164294	SPACER, 7/8"-13/32" X 1/8"							2						
	8927582	BOLT, 3/8"-16 X 1 1/4" (12.9001)							2						
	186622	BOLT, 3/8"-16 X 1 1/4" (12.9001)				4	4		1	4				4	
	186624	BOLT, 5/16"-18 X 1 1/4" (12.9001)							1						
	5157244	BOLT, 3/8"-16 X 1 3/4" SPL. (12.9001)				1	1			1				1	
	179850	BOLT, 3/8"-16 X 2 3/4" (12.9001)							2						
	179862	BOLT, 7/16"-14 X 1 1/2" (12.9001)				2	2			2				2	
	427567	BOLT, 7/16"-14 X 1 3/4 (12.9001)							4						
	100015	BOLT, 5/16"-24 X 1 1/4" (12.9001)				2	2			2				2	
	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)				2				2					
	181396	BOLT, 7/16"-20 X 1 1/8" (12.9001)				2	2			2				2	
	186283	BOLT, 3/8"-16 X 3 1/2" (12.9001)							2						
	181399	BOLT, 7/16"-20 X 1 3/8" (12.9001)				2	2		2	2				2	
	9409917	BOLT, 3/8"-16X1 5/8" (12.9001)							2						
	103342	WASHER, 7/16" (12.9190)				2	2			2				2	
	5108435	WASHER, 3/8"							4						
	103320	LOCKWASHER, 5/16" (12.9200)				4	2		1	4					
	103321	LOCKWASHER, 3/8" (12.9200)				5	5		5	5				2	
	103322	LOCKWASHER, 7/16" (12.9200)				6	6		4	6				6	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1103	1117	1122	1128	1129	1133	1135	1155	1165	1167	1168	1173	1187
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)													
	271500	NUT, 7/16"-14							4						
	102635	NUT, 3/8"-16 (12.9120)							2						
		12.4015 - PULLEY, AIR COMPRESSOR													
3B	5130964	PULLEY (6.25" DIA. 2 GROOVES)				1	1							1	
3B	8923186	PULLEY (6.25" DIA. 2 GROOVES)								1					
3B	5162966	PULLEY (6.25" DIA. 2 GROOVES)							1						
	5170513	WASHER (1.3290)								1					
3B	103385	PIN, 1/8"X1" COTTER (12.9250)				1	1		1	1				1	
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR													
	5131939	GASKET (12.4005)				2	2			2				2	
		12.4037 - PLATE, AIR COMPRESSOR DRIVE													
3C	5170450	PLATE (1.7630)	1	1	1			1			1	1	1		1
3C	5145092	BOLT, 3/8"-24X1.20" SELFLOCKING (12.5015)									4				4
3C	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4	3	4			3				4	4		
	5108836	STUD, 3/8"-24X1 3/4" (12.5015)		1				1							
	5140814	SPACER (12.5015)	1		1							1	1		
	9413533	NUT, 3/8"-24 (12.9120)		1				1							
	5145431	NUT, 3/8"-24 SPL.		1				1							
		12.4040 - HUB, AIR COMPRESSOR													
3C	5144866	HUB	1	1	1			1			1	1	1		1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE													
3C	5141773	COUPLING, 2.54" L.	1	1	1			1			1	1	1		1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY													
3C	5126692	HOSE, 3/16" X 32" L.	1												
3C	5131828	HOSE, 3/16" X 20" L.							1		1				1
3C	5131140	HOSE, 3/16" X 36" L.		1	1										
	8925726	ELBOW, 1/8"-27 45 DEG. ST. PIPE (12.9590)									1				
	8926232	ADAPTOR, 1/8" PIPE (12.9570)									1				
	8924517	PLUG, 3/8"-18 PIPE (12.9550)													1
	5142098	HOSE, #5X40"L.											1		
3C	5126693	HOSE, 3/16" X 29" L.						1				1			
	5199575	+ HOSE, #6 BULK HOSE (10.5" CUT L.) (12.8550)				1	1								
	5199575	+ HOSE, #6 BULK HOSE (17" L.) (12.8550)								1					
	5199575	+ HOSE, #6 BULK HOSE (16" L.) (12.8550)												1	
	5199593	FITTING, 5/8"-18 MALE (45 DEG.) (12.8552)							1				1		
	8924151	ELBOW, 1/8" STREET 90 DEG. (12.9590)		1	1										

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1103	1117	1122	1128	1129	1133	1135	1155	1165	1167	1168	1173	1187
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)													
	5199579	FITTING, 5/8"-18 MALE INV. FL. (STRAIGHT) (12.8552)				2	2			1			2	1	
	8924153	ELBOW, 5/16"-90 DEG. (12.9480)													
	8924149	ELBOW, 1/4" FL. TUBE - 90 DEG. (12.9480)	2					1			1	2			1
	8924216	ELBOW, 3/8" INV. FL. TUBE 90 DEG., 1/8"-27				2	2			2				2	
	8924213	ELBOW, 1/8" STREET 90 DEG. (12.9590)						1							
	8924147	CONNECTOR, 1/4" TUBE, 1/8" P.T. (12.9380)						1							
	5146648	PLUG, 1/2" PIPE (1.3162)							1						
	2488022	CLIP, 3/8" (12.8554)								1				1	
	5101020	STRAP, NYLON (2.5255)										1	1		2
	8925726	ELBOW, 1/8" ST. 45 DEG. (12.9590)													1
	8926232	ADAPTOR, 1/8" PIPE (12.9570)										1	1		
		+ BULK HOSE, CUT TO LENGTH SHOWN.													
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN													
3C	**5135293**	* HOSE, 5/8"X11 1/2"				1	1		1	1				1	
	8923823	HOSE ASSY., #10X13 19/32" L.													
	8925046	ELBOW, 5/8" TUBE 90 DEG. (12.9390)				1	1		1	1				1	
	5113215	FITTING, 5/8" HOSE (12.6692)				1	1		1					1	
	5113192	FITTING, 5/8" HOSE (12.6689)				1	1		1					1	
	8924156	ELBOW, 1/2" TUBE 45 DEG. (12.9390)								1					
	8924148	CONNECTOR, 1/2" TUBE (12.9380)												1	
	8924158	BUSHING, 1/2"X3/8" (12.9570)												1	
	8924177	TEE, 3/8"-18 PIPE (12.9616)												1	
	8925591	PLUG, 3/8" PIPE (12.9550)												1	
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.													
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE													
	8926232	ADAPTOR				1	1		1						
	5153473	CLIP, 1/2" (4.6040)		1	1										
	5168001	CLIP, 1/2" TUBE, 3/8" BOLT (12.4095)	1												
	2488022	CLIP, 3/8" (12.8554)				1	1								
	125928	CLIP, HOSE (12.9630)	1												
	5114551	TAG, CABLE (7.4545)							1		1				
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET													
3C	**5129157**	* HOSE, #8 X 36 1/2" L. (8.3830)									1		1		1
3C	**5129157**	* HOSE, #8X30 1/2" L. (8.3850)										1			
3C	**5129157**	* HOSE, #8X27" L. (8.3830)								1					
3C	**5129157**	* HOSE, #8X16" L. (8.3850)						1							
3C	**5129157**	* HOSE, #8 X 38" L. (8.3830)	1	1					1						
3C	**5129157**	* HOSE, #8 X 11" L. (8.3830)													
3C	**5129157**	* HOSE, #8 X 33 3/4" L. (8.3830)			1										
3C	**5129157**	* HOSE, #8 X 10" L. (8.3830)				1	1							1	

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1103	1117	1122	1128	1129	1133	1135	1155	1165	1167	1168	1173	1187
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)													
	5115097	COVER (3/8" PIPE HOLE) (1.1060)	1	1	1	1	1	1	1	1	1	1		1	1
	8924155	ELBOW, 1/2" INV. FL. - 90 DEG. (12.9480)	2	2	2									1	
	8924150	ELBOW, 1/2" INV. FL.-90 DEG (12.9390)				2	2	3		1	1	1	1	1	1
	8924175	ELBOW, 3/8" STREET 90 DEG. (12.9590)							1						
	8924220	ELBOW, 1/2"-90 DEG. (3.5505)							1						
	8924201	ELBOW, 1/2"-90 DEG. (12.4090)										1			
	5121825	FITTING, 1/2" HOSE X 3/8"-18 (12.4090)									1				1
	5120020	FITTING, 1/2" HOSE X 3/4"-16		2		2	2	2	2	2	1	2	2	1	1
	5173854	FITTING, 1/2" HOSE X 3/8"-18 (12.3050)	2		2									1	
	5146393	BUSHING, 3/8"X1 1/2" (2.2001)												1	
	8924148	CONNECTOR, 1/2" FL. TUBE (12.9380)						1	1	2			1		
	5132103	FLANGE (12.4375)													
	186625	BOLT, 5/16"-18 X 7/8" (12.9001)	2	2	2	2	2	2	2	2	2	2		2	2
	186629	BOLT, 5/16"-18X1" (12.9001)											2		
	8924177	TEE, 3/8"-18 PIPE (12.9616)							1		1				1
	103320	LOCKWASHER, 5/16" (12.9200)											2		2
	8925710	DRAINCOCK, 3/8" (12.9510)							1		1				1
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.													
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET													
3C	5129157	* HOSE, 1/2" X 14" L. (8.3830)		1	1										
3C	5129157	* HOSE, 1/2"X12 1/2" L. (8.3830)				1	1					1	1	1	
3C	5129157	* HOSE, 1/2" X 38" L. (8.3830)	1					1							
3C	5129157	* HOSE, 1/2"X20 1/2" L. (8.3830)													1
3C	5129157	* HOSE, 1/2" X 6 1/2" L. (8.3830)							1						
3C	5129157	* HOSE, 1/2"X9" L. (8.3803)								1					
3C	5129157	* HOSE, 1/2"X27"L. (8.3803)									1				
	5123352	COVER, 3/8" PIPE HOLE (1.2043)		1	1							1			1
	5173854	FITTING, 1/2" HOSE X 3/8"-18 (12.3050)	2	2											
	5120020	FITTING, 1/2" HOSE X 3/4"-16 (12.4085)			2	1	1	2	1	1	2	2	2	1	1
	5121825	FITTING, 1/2" HOSE X 3/4"-16				1	1		1						
	5102118	FITTING, 1/2" HOSE X 3/4"-16								1				2	1
	8924158	BUSHING, 1/2" X 3/8" RED. (12.9570)	1			1	1		1						
	8925034	ELBOW, 3/8"-18, 45 DEG.							1						
	8924149	ELBOW, 1/4" FL. TUBE - 90 DEG. (12.9480)		1					1						
	8924220	ELBOW, 1/2"-90 DEG.							1		1				1
	8924162	ELBOW, 1/2" TUBE (12.9480)	2												
	8924150	ELBOW, 1/2" FL. TUBE 90 DEG. X 3/8" P.T. (12.9390)			1	1	1			1		1	1		
	8924201	ELBOW, 1/2" TUBE, 45 DEG. (12.4090)									1				
	8924148	CONNECTOR, 1/2" FL. TUBE (12.9380)			1					1		1	1	1	1
	8924174	ADAPTOR, 1/4"-18 PIPE (12.9565)								1					
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.													
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE													
	5151189	CLIP, 3/4" SPECIAL (4.8040)	4	2	1			3		1	1	1	1		1
	5153473	CLIP, 1/2" (4.6040)						1				1	1		
	5188969	BRACKET (4.1540)	1												
	5177331	BRACKET (4.8042)	1												
	5111079	BRACKET (4.8042)		1	1										

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1103	1117	1122	1128	1129	1133	1135	1155	1165	1167	1168	1173	1187
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)													
	5173022	BRACKET (5.5379)						1				1	1		1
	5157412	SPACER, 1/4" THICK (7.4013)		1											
	5160629	SPACER, 13/32" X 7/32" (4.2270)	2												
	179816	BOLT, 5/16"-18 X 3/4" (12.9001)		1	1										
	186625	BOLT, 5/16"-18 X 7/8" (12.9001)	2												
	179835	BOLT, 3/8"-16 X 5/8" (12.9001)		1											
	8927581	BOLT, 3/8"-16X1" (12.9001)						1				1	1		1
	186612	BOLT, 3/8"-16 X 1 3/8 (12.9001)													
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)						1				1			
	181370	BOLT, 3/8"-24 X 1 1/4" (12.9001)						1					1		
	179837	BOLT, 3/8"-16 X 3/4" (12.9001)													
	181361	BOLT, 3/8"-24X7/8" (12.9001)		2	1			1				1	1		
	120393	WASHER, 5/16" (12.9190)						1							
	103341	WASHER, 3/8" (12.9190)						1				1	1		
	120394	WASHER, 3/8" (12.9190)	2	1	1										
	103320	LOCKWASHER, 5/16" (12.9200)	2					2				1	1		
	103321	LOCKWASHER, 3/8" (12.9200)	2	1	1										
	120376	NUT, 5/16"-18 (12.9120)						1				1	1		
	117049	NUT, 3/8"-24 (12.9120)													
		12.4300 - STRAINER, AIR COMPRESSOR ON COMPRESSOR													
3C	5110411	STRAINER ASSY.		1	1		1		1		1			1	1
	8925247	ELEMENT (B.W. 239292)		AR	AR		AR		AR		AR			AR	AR
3C	5110410	% GASKET		1	1		1		1		1			1	1
3C	179827	BOLT, 5/16"-18 X 2 1/4" (12.9001)		2	2		2		2		2			2	2
3C	103320	LOCKWASHER, 5/16" (12.9200)		2	2		2		2		2			2	2

% FURNISHED WITH COMPRESSOR.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1197	1199	1201	1204	1205	1207	1213	1216	1221	1222	1230	1231
		12.4001 - COMPRESSOR ASSY., AIR												
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTI NGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.												
3B	**8921208**	COMPRESSOR ASSY., 15.5 CFM (B.W. 101650)	1											
3B	**5106138**	COMPRESSOR ASSY., 7.25 CFM (M.R. N5309A)		1			1							
3C	**5101017**	COMPRESSOR ASSY., 12 CFM (B.W. 285970)			1						1		1	
3B	**8921207**	COMPRESSOR ASSY., 15.5 CFM (B.W. 101649)				1								
3C	**5106139**	COMPRESSOR ASSY., 7.25 CFM (M.R. 5504A)						1						
3C	**5106859**	COMPRESSOR ASSY., 16 CFM (M.R. 7205F)							1					
3C	**5101018**	COMPRESSOR ASSY., 12 CFM (B.W. 285977)								1		1		
3C	**5102066**	COMPRESSOR ASSY., 12 CFM (B.W. 285924)												1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1			1		1	1					
	8925710	DRAINCOCK, 3/8" PIPE (12.9510)	1		1	1			1	1	1	1	1	1
	8924380	PLUG, 1/8" PIPE (12.9550)	1					1						
	8924517	PLUG, 3/8" PIPE (12.9550)	2	2	6		2	2				1	1	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		6			6							
	427564	BOLT, 7/16"-14X1 3/8" (12.9001)												6
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4		4	4		4	4	4	4	4	4	
	103322	LOCKWASHER, 7/16" (12.9200)		6			6							6
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING												
	8923188	BRACKET		1			1							
	5145711	BRACKET												1
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		4			4							4
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)		1			1							1
	103321	LOCKWASHER, 3/8" (12.9200)		4			4							5
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	**8923186**	PULLEY, 6.25" DIA., 2 GROOVES		1										
3B	**5130964**	PULLEY, 6.25" DIA., 2 GROOVES					1							1
	5121852	SPACER (7.1503)		1										
3B	**103385**	PIN, 1/8"X1 1/4" COTTER (12.9250)		1			1							1
		12.4025 - GASKET, AIR COMPRESSOR ADAPTOR												
	5131939	GASKET (12.4005)		1			1							1
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	**5170450**	PLATE (1.7630)	1		1	1		1	1	1	1	1	1	
	5140814	SPACER (12.5015)	1			1		1						
	5108836	STUD, 3/8"-24X1 3/4" (12.5015)			1						1			
3C	**5145092**	BOLT, 3/8"-24X1.20" (12.5015)							4	4		4	4	
3C	**5145091**	BOLT, 3/8"-24X1.38" (12.5015)	4		3	4		4			3			
	9413533	NUT, 3/8"-24 (12.9120)			1						1			

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G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1197	1199	1201	1204	1205	1207	1213	1216	1221	1222	1230	1231		
	12.4037	**- PLATE, AIR COMPRESSOR DRIVE (CONT'D)**														
	5145431	NUT, 3/8"-24 SPL.			1						1					
	12.4040	**- HUB, AIR COMPRESSOR**														
3C	**5144866**	HUB	1		1	1		1	1	1	1	1	1			
	12.4050	**- COUPLING, AIR COMPRESSOR DRIVE**														
3C	**5141773**	COUPLING, 2.54" L.	1		1	1		1	1	1	1	1	1			
	12.4065	**- TUBE, AIR COMPRESSOR LUBE OIL SUPPLY**														
3B	**5131140**	HOSE, 3/16"X36" L.	1								1					
3B	**5199575**	+ HOSE, #6X17" CUT L. (12.8550)		1			1							1		
3B	**5199575**	+ HOSE, #6X16" CUT L. (12.8550)														
3C	**5116929**	HOSE, #4X39.22" L. (3.5500)			1											

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 119 7	119 9	120 1	120 4	120 5	120 7	121 3	121 6	122 1	122 2	123 0	123 1
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY (CONT'D)												
3B	5126692	HOSE, 3/16"X32" L.				1		1						
3C	5131146	HOSE, #4X23.05" L.							1					
3C	5131828	HOSE, 3/16"X20" L.								1		1	1	
3C	5199579	FITTING, 5/8"-18 MALE INV. FL. (STRAIGHT) (12.8552)		1			1							1
3C	5199593	FITTING, 5/8"-18 MALE (45 DEG.) (12.8552)		1			1							1
3B	8924151	ELBOW, 1/8" STREET 90 DEG. (12.9590)	1								1			
3B	8924149	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9480)	1		2	2		2	1	1	1	1	1	
3C	8925726	ELBOW, 1/8" ST. 45 DEG. (12.9590)		2			2							
	8924216	ELBOW, 3/8" TUBE 90 DEG. (12.9480)								1		1		2
3C	8926232	ADAPTOR, 1/8" PIPE (12.9570)			1			1		1				
3C	105406	NIPPLE, 1/8"X1 1/2" PIPE (12.9560)								1				
	105418	CROSS, 1/8" PIPE (12.4065)								1				
3C	8924380	PLUG, 1/8" PIPE (12.9550)								2				
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3B	8923823	HOSE, 1/2"X13 19/32" L.		1			1							
	5135293	+ HOSE, 5/8"X16" CUT L. (2.5060)												1
	5113192	FITTING, SWIV. 5/8" HOSE 7/8"-14 (12.6689)												1
	5113215	FITTING, 5/8" HOSE 1/2" NPTF (12.6692)												1
	8925046	ELBOW, 5/8" TUBE 45 DEG. 1/2"-14 (12.9600)												1
3B	8925046	ELBOW, 5/8" TUBE 45 DEG. (12.9600)		1			1							
3B	8924174	ADAPTOR, 1/2"-14 PIPE (12.9565)		1			1							
		+ BULK HOSE, CUT TO LENGTH SHOWN.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5153473	CLIP, 1/2" (4.6040)	1			1		1						
	5151189	CLIP, 3/4" (4.8040)	1											
	2488022	CLIP, #6 (12.8554)		2			2						1	1
	2362448	CLIP, #8 (12.8554)			1						1			
	2476234	CLIP, #8 (2.5070)			1						1			
	5111079	BRACKET (4.8042)	1											
	5114541	BRACKET (7.1585)		1			1						1	
	5173022	BRACKET (5.5379)									1			
	5166565	BRACKET (9.1591)			1									
	5101020	STRAP, TIE (2.5255)						1		2			1	
	186647	BOLT, 1/4"-20X1" (12.9001)			1									
	186625	BOLT, 5/16"-18X7/8" (12.9001)	1											
	186629	BOLT, 5/16"-18X1" (12.9001)			1									
	8927580	BOLT, 3/8"-16X7/8" (12.9001)		1			1				1		1	
	120392	WASHER, 1/4" (12.9190)			1									
	120393	WASHER, 5/16" (12.9190)	1		1									
	103341	WASHER, 3/8" (12.9180)									1		1	
	103319	LOCKWASHER, 1/4" (12.9200)			1									
	103320	LOCKWASHER, 5/16" (12.9200)	1		1									
	103321	LOCKWASHER, 3/8" (12.9200)		1			1				1		1	
	120375	NUT, 1/4"-20 (12.9120)			1									
	120376	NUT, 5/16"-18 (12.9120)	1											
	102635	NUT, 3/8"-16 (12.9120)									1		1	

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G	PART NUMBER	NAME AND DESCRIPTION	TYPES 1197	1199	1201	1204	1205	1207	1213	1216	1221	1222	1230	1231
	12.4080	**- CLIP, AIR COMPRESSOR LUBE OIL TUBE (CONT'D)**												
	102637	NUT, 1/2"-13 (12.9120)		1			1							
	12.4085	**- TUBE, AIR COMPRESSOR WATER INLET**												
3B	**5129157**	+ HOSE, #8X33 3/4" L. (8.3830)	1											
3B	**5129157**	+ HOSE, #8X16" L. (8.3830)		1			1							

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FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1197	1199	1201	1204	1205	1207	1213	1216	1221	1222	1230	1231
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET (CONT'D)												
3C	**5123317**	HOSE, 1/2"X44" L. (4.4330)			1									
3B	**5129157**	+ HOSE, #8X38" L. (8.3830)				1			1		1			
3C	**5129157**	+ HOSE, #8X30 1/2" L. (8.3830)						1		1		1		
	5129157	+ HOSE, #8X10"L. (8.3830)												1
	5147580	HOSE, #8X33.5"L. (4.4335)											1	
	5115097	COVER, 3/8" PIPE HOLE (1.1060)	1	1	1	1	1	1	1	1	1	1		1
	5101260	COVER, 3/8" OFFSET HOLE (1.1060)											1	
	8924380	PLUG, 1/8" PIPE (12.9550)											1	
	8926232	ADAPTOR, 1/8" PIPE (12.9570)							1					
3B	**5173854**	FITTING, 1/2" HOSE X 3/8"-1 (12.3050)	2		2	2					2			
3B	**5120020**	FITTING, 1/2" HOSE X 3/4"-16 (12.4085)	2				2	2	1	1		1		
	5121825	FITTING, 1/2" HOSE X 3/8"-18 (12.4090)							1	1		1		
	5146393	BUSHING, 3/8"X1 1/2" (2.2001)												1
	8924148	CONNECTOR, 1/2" FL. TUBE		1			1							
	8924147	CONNECTOR, 1/4" FL. TUBE (12.9380)							1					
3B	**8924155**	ELBOW, 1/2" INV. FL. 90 DEG. (12.9480)	2		2	3					2		2	
	8924150	ELBOW, 1/2" TUBE 90 DEG.		1			1	2	1	1		1		
	8925726	ELBOW, 1/8" STREET 45 DEG. (12.9590)							1					
	8924220	ELBOW, 1/2" 90 DEG. (3.5505)							2					
	8924201	ELBOW, 1/2" TUBE 45 DEG. (12.4090)												1
	8924177	TEE, 3/8"-18 PIPE (12.9616)							1	1		1		
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2	2		2	2		2	2	2
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET												
3B	**5129157**	+ HOSE, #8X14" L. (8.3830)	1											
3B	**5129157**	+ HOSE, #8X9" L. (8.3830)		1			1							
3B	**5129157**	+ HOSE, #8X16 7/8" L. (8.3830)			1					1		1		1
3B	**5129157**	+ HOSE, #8X33 3/4" L. (8.3830)				1								
3B	**5129157**	+ HOSE, #8X12 1/2" L. (8.3830)						1						
3B	**5129157**	+ HOSE, #8X6 1/2" L. (8.3830)							1					
3B	**5129157**	+ HOSE, #8X14" L. (8.3830)									1			
3B	**5129157**	+ HOSE, #8X20 1/2"L. (8.3830)											1	
	5123352	COVER, 3/8" PIPE HOLE (1.2043)	1		1			1	1	1	1	1	1	
3B	**5120020**	FITTING, 1/2" HOSE X 3/4"-16 (12.4085)	2	1			1	2	2				1	4
3B	**5102118**	FITTING, #8 HOSE X 3/4"-16 (12.4010)		1			1						1	
3B	**5173854**	FITTING, 1/2" HOSE X 3/8"-18 (12.3050)			2	2				2	2	2		
	5146393	BUSHING, 3/8"X1/2" (2.2001)												2
3B	**8924148**	CONNECTOR, 1/2" FL. TUBE	1	1			1	1					1	
3B	**8924169**	CONNECTOR, 1/2"INV. FL. TUBE (12.9460)			1						1			
3B	**8924220**	ELBOW, 1/2" TUBE 90 DEG.	1	1			1	1					1	
3B	**8924150**	ELBOW, 1/2" TUBE 90 DEG.												2
3B	**8924155**	ELBOW, 1/2" TUBE 90 DEG. (12.9480)			1					2	1	2		
3B	**8924162**	ELBOW, 1/2" TUBE 45 DEG. (12.9480)				1								
3B	**8924201**	ELBOW, 1/2" TUBE 45 DEG. (12.4090)							1					1
3B	**8924158**	BUSHING, 1/2"X3/8" RED. (12.9570)				1							1	
	8924517	PLUG, 3/8"-18 PIPE (12.9550)							1					
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												

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12.4000A AIR COMPRESSOR

12.4095 - CLIP, AIR COMPRESSOR WATER TUBE

PART NUMBER	NAME AND DESCRIPTION	TYPES 1197	1199	1201	1204	1205	1207	1213	1216	1221	1222	1230	1231			
5151189	CLIP, 3/4" SPECIAL (4.8040)		1		3	1	2		1		1	1				
5173022	BRACKET, CLIP (5.5379)				1		1									
5182628	SPACER, 13/32"X.75"X.15" (12.4065)						1									
5157412	SPACER, 7/8"X1/4" (7.4013)								1		1	1				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 119701	119901	120104	120205	120701	121316	122211	122230	122311
		12.4095 - CLIP, AIR COMPRESSOR WATER TUBE (CONT'D)									
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		1		1					
	179837	BOLT, 3/8"-16X3/4" (12.9001)			1						
	8927581	BOLT, 3/8"-16X1" (12.9001)					1				
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)			1		1			1	1
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)						1			
	192883	BOLT, 3/8"-16X5 1/4" (12.9001)									
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			1		1				
	120393	WASHER, 5/16" (12.9190)		1		1					
	120394	WASHER, 3/8" (12.9190)			1						
	103341	WASHER, 3/8" (12.9190)			1		1				
	103320	LOCKWASHER, 5/16" (12.9200)		1		1					
	103321	LOCKWASHER, 3/8" (12.9200)			2		1				
	117049	NUT, 3/8"-24 (12.9120)			1		1				
		12.4300 - STRAINER, AIR COMPRESSOR									
3C	5110411	STRAINER ASSY.	1		1			1	1	1	1
	8925247	ELEMENT (B.W. 239292)	AR		AR			AR	AR	AR	AR
3C	5110410	% GASKET	1						1	1	1
3C	179827	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2	2	2		2	2	2	2
3C	103320	LOCKWASHER, 5/16" (12.9200)	2	2	2	2		2	2	2	2
		% FURNISHED WITH COMPRESSOR.									
		12.4375 - TUBE & ELBOW ASSY., AIR COMPRESSOR BOOSTER INLET									
3C	5138542	+ HOSE, 3/4"X25" L.					1				
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)					2				
3C	8924211	ELBOW, 3/4" 90 DEG. (1.1100)					2				
	5132103	FLANGE					1				
	186629	BOLT, 5/16"-18X1" (12.9001)					2				
	103320	LOCKWASHER, 5/16" (12.9200)					2				
		+ STD. LENGTH HOSE, CUT TO LENGTH SHOWN.									
		12.4377 - CLIP, AIR COMPRESSOR BOOSTER INLET TUBE AND ELBOW ASSY.									
	5155664	CLIP, 1" (4.1570)					1				
	9139801	CLAMP, 5/8" HOSE (12.9660)					2				
	5101020	STRAP, TIE (2.5255)					2			1	
		12.4380 - GASKET, AIR BOOSTER INLET TUBE AND ELBOW TO AIR COMPRESSOR									
	5110410	GASKET (12.4300)					1				

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12.4000A AIR COMPRESSOR

	PART NUMBER	NAME AND DESCRIPTION	TYPES 12232	12235	12239	12242	12245	12248	12249	12253	12254	12255	12256	12257
	12.4001 - COMPRESSOR ASSY., AIR													
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTI NGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.												
	NPN	COMPRESSOR ASSY. (CUSTOMER FURNISHED)		1										
3C	**5101017**	COMPRESSOR ASSY., 12 CFM (B.W. 285970)	1			1								
3C	**5101018**	COMPRESSOR ASSY., 12 CFM (B.W. 285977)			1				1					
3B	**5106137**	COMPRESSOR ASSY., 7 1/4 CFM (M.R. N5309)					1							
3C	**5100886**	COMPRESSOR ASSY., 12 CFM (B.W. 285991)						1						
3C	**5106140**	COMPRESSOR ASSY., 7 1/4" CFM (M.R. N55048)								1				
3C	**23500453**	COMPRESSOR ASSY., 12 CFM (M.R. NT7005M)									1	1		
3B	**23500460**	COMPRESSOR ASSY., 12 CFM (M.R. NT7002W)											1	
3C	**23500455**	COMPRESSOR ASSY., 16 CFM (M.R. NT7205F)												1
	8924380	PLUG, 1/8" PIPE (12.9550)								1				
	8924517	PLUG, 3/8" PIPE (12.9550)					2			2				
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)								1	1			1
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4		4	4		4	4	4	4	4		4
	103323	LOCKWASHER, 1/2" (12.9200)						4						
	12.4005 - GASKET, AIR COMPRESSOR MOUNTING													
	5104506	GASKET	1		1	1		1	1	1	1	1		1
	5131939	GASKET		1			1							
	12.4010 - BRACKET, AIR COMPRESSOR MOUNTING													
	5102393	BRACKET (TO HEAD)		1										
	5102395	BRACKET (UPPER)		1										
	5145711	BRACKET					1							
	5107424	BRACKET											1	
	5145415	SUPPORT		1									1	
	5164294	SPACER, 1/8" THICK (7.1581)		2										
	5136821	SHIM, .002" THK. (7.1595)		AR									AR	
	5136906	SHIM, .005" THK. (7.1595)		AR									AR	
	5108836	STUD, 3/8"-24X1 3/4" (12.5015)	1							1				
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)		1									1	
	186622	BOLT, 3/8"-16X1 1/4" (12.9001)		1			4						1	
	9409917	BOLT, 3/8"-16X1 3/8" (12.9001)		2									2	
	5157244	BOLT, 3/8"-16X1 3/4" (12.9001)					1							
	179850	BOLT, 3/8"-16X2 3/4" (12.9001)		2									2	
	186283	BOLT, 3/8"-16X3 1/2" (12.9001)		2									2	
	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		1										
	106337	BOLT, 7/16"-14X1 3/8" (12.9001)					6							
	427567	BOLT, 7/16"-14X1 3/4" (12.9001)		5									4	
	5108435	WASHER, 3/8"		4									4	
	103320	LOCKWASHER, 5/16" (12.9200)		1									1	
	103321	LOCKWASHER, 3/8" (12.9200)		5			5						3	
	103322	LOCKWASHER, 7/16" (12.9200)		6			6						4	
	5145431	NUT, 3/8"-24 JAM (12.4037)	1							1				

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12325	12354	12394	12424	12454	12484	12494	12553	12544	12555	12566	12577
		12.4010 - BRACKET, AIR COMPRESSOR MOUNTING (CONT'D)												
	9413533	NUT, 3/8"-24 (12.9120)	1							1				
	271500	NUT, 7/16"-14 (12.9120)		5									4	
		12.4015 - PULLEY, AIR COMPRESSOR												
3B	**5162966**	PULLEY, 6.25" DIA. 2 GROOVES .500"W.		1									1	
3B	**5130964**	PULLEY, 6.25" DIA. 2 GROOVES					1							
3B	**103385**	PIN, 1/8"X1" COTTER (12.9250)		1			1						1	
		12.4037 - PLATE, AIR COMPRESSOR DRIVE												
3C	**5170450**	PLATE (1.7630)	1		1	1		1	1	1	1	1		1
	5140814	SPACER, .20" THK. (12.5015)				1			1			1		
3C	**5145092**	BOLT, 3/8"-24X1.20" (12.9001)			4			4			4			4
3C	**5145091**	BOLT, 3/8"-24X1.38" (12.9001)	3			4			4	3		4		
		12.4040 - HUB, AIR COMPRESSOR DRIVE												
3C	**5144866**	HUB	1		1	1		1	1	1	1	1		1
		12.4050 - COUPLING, AIR COMPRESSOR DRIVE												
	5141773	COUPLING, 2.54"L.	1		1	1			1	1	1	1		1
	5140982	COUPLING, 1.85"L.						1						
		12.4065 - TUBE, AIR COMPRESSOR LUBE OIL SUPPLY												
3C	**5126692**	HOSE, #4X32"L. (12.4065)	1						1			1		
3C	**5131828**	HOSE, #4X20"L. (12.4065)		1	1								1	
3C	**5131140**	HOSE, #4X36"L. (12.4065)				1								
3C	**5199575**	* HOSE, #6X10 1/2"L. (12.8550)					1							
3C	**5135077**	HOSE, #4X23"L. (12.4065)						1						
3C	**5130799**	HOSE, #4X42"L. (7.4074)								1				
3C	**5131146**	HOSE, #4X25"L. (12.4065)									1			1
	8924149	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	2	1	1	1		1	2	2	1	2	1	1
	8925726	ELBOW, 1/8" PIPE 45 DEG. (12.9590)		1	1								1	
	8924151	ELBOW, 1/8" PIPE 90 DEG. ST (12.9590)				1				1				
	8924216	ELBOW, 3/8" TUBE 90 DEG. (12.9480)					2							
	8926232	ADAPTOR, 1/8" PIPE (12.9570)		1			1	1					1	
	8924147	CONNECTOR, 1/4" TUBE 45 DEG. (12.9380)						1						
	5199579	FITTING, #6 HOSE (12.8552)					2							
	8924517	PLUG, 3/8" PIPE (12.9550)			1									
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN												
3C	**5135293**	* HOSE, 5/8"X11 1/2"L. (2.5060)		1			1						1	
3C	**5138542**	* HOSE, 3/4"X24 1/4"L. (12.4375)												1
	8925046	ELBOW, 5/8" TUBE 45 DEG. (12.9600)		1			1						1	
	8924211	ELBOW, 3/4" TUBE 90 DEG. (1.1100)												2

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12323	12335	12339	12342	12345	12348	12349	12353	12354	12355	12356	12357
		12.4070 - TUBE, AIR COMPRESSOR LUBE OIL DRAIN (CONT'D)												
	5113192	FITTING, 5/8" HOSE INV. FL. 7/8"-14 (12.6689)		1			1						1	
	5113215	FITTING, MALE 5/8" HOSE 1/2"-14 (12.6692)		1			1						1	
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)					1							
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		12.4080 - CLIP, AIR COMPRESSOR LUBE OIL TUBE												
	5168001	CLIP, 1/2" TUBE (12.4095)	1									1		
	125928	CLIP, 7/16" HOSE (12.9630)	1						1			1		
	5153473	CLIP, 1/2" TUBE (4.6040)				1		1		1				1
	5155664	CLIP (4.1570)												2
	9139801	CLAMP (12.9660)		1									1	
	5114551	TAG, CABLE (7.4545)			1			1			2			2
	5101020	STRAP (2.5255)												
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET												
3C	5123317	* HOSE, 1/2"X42 1/4"L. (4.4330)	1											
3C	5129157	* HOSE, #8X11"L. (8.3830)		1									1	
3C	5129157	* HOSE, #8X30 1/2"L. (8.3830)			1									
3C	5129157	* HOSE, #8X38"L. (8.3830)				1					1	1		1
3C	5129157	* HOSE, #8X14"L. (8.3830)					1							
3C	5129157	* HOSE, #8X20 1/2"L. (8.3830)						1						
3C	5129157	* HOSE, #8X29"L. (8.3830)							1					
C	5129157	* HOSE, #8X49.5"L. (8.3830)								1				
	5115097	COVER, 3/8" PIPE HOLE (1.1060)	1	1	1	1	1	1	1	1	1	1	1	1
	8924155	ELBOW, 1/2" INV. FL. 90 DEG. (12.9480)	3			2			2					
	8924175	ELBOW, 3/8" PIPE 90 DEG. (12.9590)		1									1	
	8924220	ELBOW, 1/2"-90 DEG. (3.5505)		1							2	2	1	2
	8924150	ELBOW, 1/2"-90 DEG. (12.9390)			1		2	2		2				1
	8924201	ELBOW, 1/2"-90 DEG. (12.4090)					1							
	8925726	ELBOW, 1/8" ST. 45 DEG. (12.9590)									1			1
	8924162	ELBOW, 1/2"-45 DEG. (12.9480)										1		
	5173854	FITTING, 1/2" HOSE X 3/4"-18 (12.3050)	2			2			2			2		
	5120020	FITTING, 1/2" HOSE X 3/4"-16		2	1		2	2		2	1		2	1
	5121825	FITTING, 1/2" HOSE X 3/8"-18 (12.4090)			1						1			1
	8924177	TEE, 3/8" PIPE (12.9616)		1	1								1	1
	8924148	CONNECTOR, 1/2" TUBE 45 DEG. (12.9380)		1						1			1	
	8924169	CONNECTOR, 1/2" TUBE (12.9460)							1					
	8924147	CONNECTOR, 1/4" 45 DEG. TUBE (12.9380)									1			1
	8925710	DRAINCOCK, 3/8" (12.9510)	1	1	2	2			1		1	1	1	1
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	2	2	2	2		2	2	2	2	2	2
	5132715	WASHER, .53" I.D. X 1"X.12" (1.3140)						2						
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET.												
3C	5123317	* HOSE, 1/2"X42 1/4"L. (4.4330)	1											
3C	5129157	* HOSE, #8X6 1/2"L. (8.3830)		1							1		1	1
3C	5129157	* HOSE, #8X14"L. (8.3830)			1	1								

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12323	12352	12339	12424	12454	12484	12492	12535	12554	12556	12557
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET. (CONT'D)											
3C	5129157	* HOSE, #8X10"L. (8.3830)					1						
3C	5129157	* HOSE, #8X12 1/2"L. (8.3830)						1		1			
	5129157	* HOSE, #8X16 7/8"L. (8.3830)							1				
	5129157	* HOSE, #8X38"L. (8.3830)									1		
	5123352	COVER (3/8" PIPE HOLE) (1.2043)				1		1		1	1		1
	8924517	PLUG, 3/8" PIPE (12.9550)									1		1
	8924162	ELBOW, 1/2" HOSE 45 DEG. (12.9400)	1		1							1	
	8925034	ELBOW, 3/8"-18 45 DEG. ST (12.9540)		1									1
	8924220	ELBOW, 1/2" HOSE 90 DEG. (3.5505)		1									1
	8924155	ELBOW, 1/2" HOSE INV. FL. 90 DEG. (12.9480)			1	1							
	8924201	ELBOW, 1/2" HOSE 45 DEG.					1				1		1
	8924175	ELBOW, 3/8"-18 90 DEG. ST. (12.9590)						1					
	8924150	ELBOW, 1/2" HOSE 90 DEG. (12.9390)								1	1		
	5173854	FITTING, 1/2" HOSE (12.3050)	2		2	2			2				
	5121825	FITTING, 1/2" HOSE		1								1	
	5120020	FITTING, 1/2" HOSE-SWIVEL (12.4085)		1			3	1		2	2	2	1	2
	5102118	FITTING, 1/2" HOSE 3/4"-16						1					
	8924158	BUSHING, 1/2"X3/8" RED. (12.9570)	1	1			1					1	1	
	8926232	ADAPTOR, 1/8" PIPE (12.9570)									1			1
	8924173	ADAPTOR, 3/8" PIPE (12.9565)			1									
	8924169	CONNECTOR, 1/2" HOSE INV. FL. (12.9460)				1								
	8924148	CONNECTOR, 1/2" HOSE FLD. 45 DEG. (12.9380)						2		1				
	8925721	TEE, 3/8" PIPE (12.9616)			1									
	8924177	TEE, 3/8" PIPE (12.9616)									1			1
	5142470	TUBING, 5"L. (7.7020)					1							
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.												
		12.4095 - CLIP, AIR COMPRESSOR-WATER TUBE												
	5151189	CLIP, 1/2" HOSE (4.8040)	1			2		1	1	2		1		
	5153473	CLIP, 1/2" HOSE (4.6040)							1					
	5188969	BRACKET (4.1540)	1									1		
	5111079	BRACKET (4.8042)				1								
	5127861	BRACKET (7.1587)						1						
	5173022	BRACKET (5.5379)	1						1	1		1		
	5102395	BRACKET (12.4010)		1									1	
	5160629	SPACER, .620"X.22"L. (4.2270)				1				1				
	5164294	SPACER, 7/8"X13/32"X1/8" THK. (7.1581)											2	
	186625	BOLT, 5/16"-18X7/8" (12.9001)				1				1				
	179835	BOLT, 3/8"-16X5/8" (12.9001)	1									1		
	8927581	BOLT, 3/8"-16X1" (12.9001)				1		1		3				
	8927582	BOLT, 3/8"-16X1 1/8" (12.9001)		2									2	
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	1						1			1		
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	1						1			1		
	120393	WASHER, 5/16" (12.9190)				2				1				
	103341	WASHER, 3/8" (12.9190)	1						1			1		
	120394	WASHER, 13/32"X13/16" (12.9190)								2				
	103320	LOCKWASHER, 5/16" (12.9200)				1				1				
	103321	LOCKWASHER, 3/8" (12.9200)	2	2				1	1	4		2	2	
	120376	NUT, 5/16"-18 (12.9120)				1				1				
	102635	NUT, 3/8"-16 (12.9120)		2				1					2	
	117049	NUT, 3/8"-24 (12.9120)	1						1			1		

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12.4000A AIR COMPRESSOR

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12323	12355	12393	12442	12445	12448	12449	12553	12554	12555	12556	12557
		12.4300 - STRAINER, AIR COMPRESSOR												
3C	**5110411**	STRAINER ASSY.		1	1	1			1	1	1		1	
	8925247	ELEMENT (B.W. 239292)		AR	AR	AR			AR	AR	AR		AR	
3C	**5110410**	GASKET (FURNISHED WITH COMPRESSOR)		1		1			1	1	1		1	
3C	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)		2	2	2			2	2	2		2	
3C	**103320**	LOCKWASHER, 5/16" (12.9200)		2	2	2			2	2	2		2	
		12.4305 - GOVERNOR, AIR COMPRESSOR												
	5144307	KIT, GOVERNOR (INCLUDES ATTACHING PARTS)			1									
		12.4375 - TUBE, AIR COMPRESSOR BOOSTER												
	5143985	TUBE ASSY. (DEV. L. 4.96")					1							
	5144179	FLANGE					1							
	5132103	FLANGE												1
	8924163	BUSHING, 3/4"X1/2" RED. (12.9570)												2
	186625	BOLT, 5/16"-18X7/8" (12.9001)					2							
	186629	BOLT, 5/16"-18X1" (12.9001)												2
	120393	WASHER, 5/16" (12.9190)					2							
	103320	LOCKWASHER, 5/16" (12.9200)												2
		12.4380 - GASKET, AIR BOOSTER INLET TUBE AND ELBOW TO AIR COMPRESSOR												
	5114010	# GASKET (12.4300)												1

FURNISHED WITH AIR COMPRESSOR.

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 12581	TYPES 12591
	12.4001	**- COMPRESSOR ASSY., AIR**		
		COMPONENTS OF AIR COMPRESSOR ASSYS. ARE NOT SERVICED BY DDA. FOR COMPONENT REPLACEMENT CONTACT BENDIX WESTI NGHOUSE (B.W.) OR MIDLAND ROSS (M.R.) FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.		
3C	**5101017**	COMPRESSOR ASSY., 12 CFM (B.W. 285970)	1	
3C	**5101018**	COMPRESSOR ASSY., 12 CFM (B.W. 285977)		1
	8925710	DRAINCOCK, 3/8" PIPE (12.9510)	1	1
	179884	BOLT, 1/2"-13X1 3/8" (12.9001)	4	4
	12.4005	**- GASKET, AIR COMPRESSOR MOUNTING**		
	5104506	GASKET	2	
	12.4037	**- PLATE, AIR COMPRESSOR DRIVE**		
3C	**5170450**	PLATE (1.7630)	1	1
	5108836	STUD, 3/8"-24X1 3/4" (12.5015)	1	1
	5145091	BOLT, 3/8"-24X1.38" (12.9001)	3	3
	9413533	NUT, 3/8"-24 (12.9120)	1	1
	5145431	NUT, 3/8"-24 SPL.	1	1
	12.4040	**- HUB, AIR COMPRESSOR**		
3C	**5144866**	HUB	1	1
	12.4050	**- COUPLING, AIR COMPRESSOR DRIVE**		
3C	**5141773**	COUPLING, 2.54"L.	1	1
	12.4065	**- TUBE, AIR COMPRESSOR LUBE OIL SUPPLY**		
3C	**5126692**	HOSE, #4X32"L. (12.4065)	1	1
	8924149	ELBOW, 1/4" TUBE 90 DEG. (12.9480)	2	2
	12.4080	**- CLIP, AIR COMPRESSOR LUBE OIL TUBE**		
	2476234	CLIP, HOSE (2.5070)	1	1
	2362448	CLIP, HOSE (12.8554)	1	
	5166565	BRACKET (9.1591)	1	
	5173022	BRACKET (5.5379)		1
	186647	BOLT, 1/4"-20X1" (12.9001)	1	
	186629	BOLT, 5/16"-18X1" (12.9001)	1	
	8927580	BOLT, 3/8"-16X7/8" (12.9001)		1
	120392	WASHER, 9/32"X5/8" (12.9190)	1	
	120393	WASHER, 5/16" (12.9190)	1	
	103341	WASHER, 3/8" (12.9190)		2
	103319	LOCKWASHER, 1/4" (12.9200)	1	
	103320	LOCKWASHER, 5/16" (12.9200)	1	
	103321	LOCKWASHER, 3/8" (12.9200)		1
	120375	NUT, 1/4"-20 (12.9120)	1	
	102635	NUT, 3/8"-16 (12.9120)		1

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12.4000A AIR COMPRESSOR

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 1 2 5 8	1 2 5 9
		12.4085 - TUBE, AIR COMPRESSOR WATER INLET		
3C	**5129157**	* HOSE, #8X30 1/2"L. (8.3830)	1	
3C	**5123317**	* HOSE, 1/2"X42.25"L. (4.4330)		1
	5115097	COVER, 3/8" PIPE HOLE (1.1060)	1	1
	5138275	ELBOW, FLANGED 90 DEG. (5.3420)	1	
	8924155	ELBOW, 1/2" TUBE 90 DEG. (12.9480)	2	
	8924201	ELBOW, 1/2" TUBE 45 DEG. (12.4090)		1
	8924150	ELBOW, 1/2" TUBE 90 DEG. (12.9390)		1
	5173854	FITTING, 1/2" HOSE X 3/4"-18 (12.3050)	1	
	5121825	FITTING, 1/2" HOSE X 3/8"-18 (12.4090)	1	
	5120020	FITTING, SWIVEL 1/2" HOSE 3/4"-16		2
	186625	BOLT, 5/16"-18X7/8" (12.9001)	2	
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.		
		12.4090 - TUBE, AIR COMPRESSOR WATER OUTLET		
3C	**5129157**	* HOSE, #8X16 3/8"L. (8.3830)	1	
3C	**5129157**	* HOSE, #8X14"L. (8.3830)		1
	5123352	COVER, 3/8" PIPE HOLE (1.2043)	1	1
	8924155	ELBOW, 1/2" TUBE 90 DEG. IN. FL. (12.9480)	1	
	8924150	ELBOW, 1/2" TUBE 90 DEG. (12.9390)		1
	5173854	FITTING, 1/2" HOSE X 3/4"-18 (12.3050)	2	
	5120020	FITTING, 1/2" HOSE X 3/4"-16 (12.4085)		2
	8924169	CONNECTOR, 1/2" TUBE (12.9460)	1	
	8924148	CONNECTOR, 1/2" TUBE 45 DEG. (12.9380)		1
		* STD. LENGTH HOSE, CUT TO LENGTH SHOWN.		
		12.4095 - CLIP, AIR COMPRESSOR-WATER TUBE		
	5146788	CLIP, HOSE (2.5070)	2	
	2476234	CLIP, HOSE (2.5070)	1	
	2362448	CLIP, HOSE (12.8554)		3
	5173022	BRACKET (5.5379)	1	1
	5114541	BRACKET (7.1585)		2
	5160629	SPACER, .620"X.22"L. (4.2270)	1	
	8927580	BOLT, 3/8"-16X7/8" (12.9001)		3
	186619	BOLT, 3/8"-16X1 1/8" (12.9001)	1	
	181370	BOLT, 3/8"-24X1 1/4" (12.9001)	1	
	103321	LOCKWASHER, 3/8" (12.9200)	2	3
	102635	NUT, 3/8"-16 (12.9120)		3
	117049	NUT, 3/8"-24 (12.9120)	1	
		12.4300 - STRAINER, AIR COMPRESSOR		
3C	**5110411**	STRAINER ASSY.	1	1
	8925247	ELEMENT	AR	AR
3C	**5110410**	GASKET (FURNISHED WITH COMPRESSOR)	1	1
3C	**179827**	BOLT, 5/16"-18X2 1/4" (12.9001)	2	2
3C	**103320**	LOCKWASHER, 5/16" (12.9200)	2	2

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11	28	29	30	33	34	47	49	50	51	55	56
		12.5001 - PUMP ASSY., HYDRAULIC												
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INCORPORATED, DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.)												
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)						1	1	1	1	1	1	1
	5111825	% PUMP ASSY. (WITH ADAPTOR) (VICKERS #V-330-19-1C-RH)		1										
	5111826	% PUMP ASSY. (LESS ADAPTOR) (VICKERS #V-330-19-1C-LH)		1										
4A	5184293	PUMP ASSY. (LESS ADAPTOR) (VICKERS #V-230-8-1C-LH) (13 GPM @ 2000 RPM)			1									
4A	5184292	PUMP ASSY. (LESS ADAPTOR) (VICKERS #V-230-8-1C-RH) (13 GPM @ 2000 RPM)				1								
4A	5188757	PUMP ASSY. (LESS ADAPTOR) (HYDRECO #1515C12B1) (8 GPM @ 1800 RPM)	1				1							
4A	179857	BOLT, 7/16"-14X7/8" (12.9001)		1	1	1	1	1	1	1	1	1	1	
4A	179858	BOLT, 7/16"-14X1" (12.9001)	1											1
4A	454933	BOLT, 7/16"-14X1 1/8" (12.9001)		4	4	4	4	4	4	4	4	4	4	
4A	122408	BOLT, 1/2"-13X1" (12.9001)												4
4A	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4											
4A	442733	BOLT, 1/2"-13X1 1/4" (12.9001)												
4A	103322	LOCKWASHER, 7/16" (12.9200)	1	1	1	1	1	1	1	1	1	1	1	
4A	103323	LOCKWASHER, 1/2" (12.9200)	4	4	4	4	4	4	4	4	4	4	4	
	122761	NUT, 1/2"-20 HEX. SL. (12.9130)							1				1	
		% NOT SERVICED, SHOWN FOR REFERENCE ONLY. FOR SERVICE USE COMPONENTS.												
		12.5005 - GASKET, HYDRAULIC PUMP												
4A	5188755	GASKET	1				1	1	1				1	
4A	5111828	GASKET		1										
4A	5168852	GASKET			1	1				1	1	1		
		12.5010 - COUPLING, HYDRAULIC PUMP DRIVE												
4A	3292492	* @ COUPLING (23 TEETH, EXTERNAL GEAR) (1.7635)	1	1	1	1	1		1	1	1	1	1	1
4A	5143616	# COUPLING (21 TEETH, EXTERNAL GEAR)	1	1	1	1	1		1	1	1	1	1	1
		* THRU 3D-16248, 3D-14315, 4D-17425, 6D-7991.												
		@ NOT SERVICED; USE 5143616 AND INCLUDE (1) 5131627 PLATE.												
		# EFFECTIVE WITH 3D-16249, 3D-14316, 4D-17426, 6D-7992.												

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11	28	29	30	33	34	47	49	50	51	55	56
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE												
4A	5153449	* & PLATE (23 TEETH) (1.7630)	1	1	1	1	1	1	1		1		1	2
4A	5131627	# PLATE (21 TEETH)	1	1	1	1	1	1	1	1	1	1		2
4A	5170450	PLATE (21 TEETH)								1		1	1	
4A	5177026	SPACER (1.7630)	1	1	1	1	1	1	1		1			1
4A	5145092	BOLT, 3/8"-24X1.20" (12.5015)		3	3	3	3	3	3	7	4	1	1	4
4A	5178474	BOLT (1 1/8"L) (1.7630)	4											
4A	5145091	BOLT (1.38"L)		4	4	4	4	4	4			4		
	9413533	NUT, 3/8"-24 SELF LOCKING (12.9120)		1	1	1	1	1				1	1	
		* THRU 3D-16248, 3D-14315, 4D-17425, 6D-7991.												
		& NOT SERVICED; USE 5131627 AND INCLUDE (1) 5143616 COUPLING.												
		# EFFECTIVE WITH 3D-16249, 3D-14316, 4D-17426, 6D-7992.												
		12.5017 - PLATE, CAM OR BALANCER GEAR												
	5122922	RETAINER (1.7207)		1	1	1	1	1	1	1		1		
	5122923	STUD (1.7633)		1	1	1	1	1	1	1				
	5108836	STUD, 3/8"X1 3/4" (12.9117)										1	1	
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)		1		1	1					1	1	
	124925	NUT, 3/8"-24 (12.9120)			1			1	1	1				
		12.5020 - ADAPTOR, HYDRAULIC PUMP												
4A	5122386	ADAPTOR	1				1	1	1				1	1
4A	5120828	ADAPTOR		1										
4A	5123814	ADAPTOR			1	1				1	1	1		
	5189590	COVER						1						
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)	2				2	2	2				2	
	103197	STUD, 3/8"-16-24X1 13/16" (12.9117)												2
4A	179838	BOLT, 3/8"-16X7/8" (12.9001)		6										
4A	179839	BOLT, 3/8"-16X1" (12.9001)			6	6				6	6	6		
4A	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)	2				2	2	2				2	2
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR												
4A	5117061	GASKET (1.5040)	1	1	1	1	1		1	1	1	1	1	
4A	5110412	GASKET (1.5040)						1						
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE												
4A	5188848	GEAR	1				1		1				1	
4A	5111829	GEAR		1										
4A	5168688	GEAR			1	1				1	1	1		

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 11	28	29	30	33	34	47	49	50	51	55	56
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE (CONT'D)												
4A	**5162878**	+ GEAR												1
	103907	KEY, 3/16"X7/8" WOODRUFF (12.9350)			1	1				1	1	1		
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	1						1				1	
	5188756	NUT, 1/4"-28	1						1				1	
	9415638	NUT, 9/16"-18 HEX. LOCK												1

+ OBSOLETE.

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 63	65	66	69	71	78	79	80	83	86	90
	12.5001	**- PUMP ASSY., HYDRAULIC**											
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INCORPORATED, DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.)											
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)	1	1		1		1	1	1		1	1
4A	**5131398**	PUMP ASSY. (LESS ADAPTOR) (VICKERS #V-110-35-3C-10-LH) (6.3 GPM @ 2500RPM)			1								
4A	**5132239**	PUMP ASSY. (LESS ADAPTOR) (VICKERS #V-230-6-1C-LH) (6 1/4 GPM @ 1200RPM)					1						
4A	**5124652**	PUMP ASSY. (LESS ADAPTOR) (HYDRECO #1512C12C1) (7 GPM @ 1200 RPM)									1		
4A	**179857**	BOLT, 7/16"-14X7/8" (12.9001)		1	1		1	1	1	1			
4A	**179858**	BOLT, 7/16"-14X1" (12.9001)									1		1
4A	**122408**	BOLT, 1/2"-13X1" (12.9001)		4	4		4	4	4	4			
4A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)									4		4
4A	**103322**	LOCKWASHER, 7/16" (12.9200)		1	1		1	1	1	1	1		
4A	**103323**	LOCKWASHER, 1/2" (12.9200)		4	4		4	4	4	4	4		
	12.5005	**- GASKET, HYDRAULIC PUMP**											
A	**5188755**	GASKET			1	1				1	1	1	1
4A	**5111828**	GASKET	1										
4A	**5168852**	GASKET					1						
A	**5131396**	GASKET		1				1	1				
	12.5010	**- COUPLING, HYDRAULIC PUMP DRIVE**											
4A	**3292492**	* @ COUPLING (23 TEETH, EXTERNAL GEAR) (1.7635)	1	1	1	1	1	1	1	1	1		
4A	**5143616**	# COUPLING (21 TEETH, EXTERNAL GEAR)	1	1	1	1	1	1	1	1	1	1	1
		* THRU 3D-16248, 3D-14315, 4D-17425, 6D-7991.											
		@ NOT SERVICED; USE 5143616 AND INCLUDE (1) 5131627 PLATE.											
		# EFFECTIVE WITH 3D-16249, 3D-14316, 4D-17426, 6D-7992.											
	12.5015	**- PLATE, HYDRAULIC PUMP DRIVE**											
4A	**5153449**	* @ PLATE (23 TEETH) (1.7630)	1	1	1	1	1	1	1	1	1	1	1
4A	**5131627**	# PLATE (21 TEETH)	1	1	1	1	1	1	1	1	1	1	1
4A	**5177026**	SPACER (1.7630)	1	1	1	1	1	1	1	1	1	1	1

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 63	65	66	69	71	78	79	80	83	86	90
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE (CONT'D)											
4A	**5145092**	BOLT, 3/8"-24 X 1.20"		3	3	3	3	4		4			
4A	**5145091**	BOLT, 3/8"-24 X 1.38"	4						4		4	4	4
	9413533	NUT, 3/8"-24 SELF LOCKING (12.9120)		1	1	1	1						
		* THRU 3D-16248, 3D-14315, 4D-17425, 6D-7991.											
		@ NOT SERVICED; USE 5143616 AND INCLUDE (1) 5131627 PLATE.											
		# EFFECTIVE WITH 3D-16249, 3D-14316, 4D-17426, 6D-7992.											
		12.5017 - PLATE, CAM OR BALANCER GEAR											
	5122922	RETAINER (1.7207)	3						3		3	3	3
	5122923	STUD (1.7633)		1	1	1	1						
	124925	NUT, 3/8"-24 (12.9120)		1	1	1	1						
		12.5020 - ADAPTOR, HYDRAULIC PUMP											
4A	**5122386**	ADAPTOR				1					1	1	1
4A	**5120828**	ADAPTOR	1										
4A	**5123814**	ADAPTOR					1						
4A	**5131308**	ADAPTOR		1				1	1				
4A	**5131332**	ADAPTOR			1					1			
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)				2					2	2	2
A	**179839**	BOLT, 3/8"-16X1" (12.9001)	6	2			6	2	2				
4A	**186622**	BOLT, 3/8"-16X1 1/4" (12.9001)			2					2			
4A	**103321**	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)				2					2	2	2
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR											
4A	**5117061**	GASKET (1.5040)	1	1	1	1	1	1	1	1	1	1	1
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE											
4A	**5188848**	GEAR									1		1
4A	**5111829**	GEAR	1										
4A	**5168688**	GEAR					1						
4A	**5131313**	GEAR		1		1		1	1				
4A	**5131401**	GEAR			1					1			
	5127394	GEAR										1	
	103907	KEY, 3/16"X7/8" WOODRUFF (12.9350)					1						
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)				1					1	1	1

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 63	65	66	69	71	78	79	80	83	86	90
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE (CONT'D)											
	5188756	NUT, 1/4"-28				1					1	1	1

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	93	99	100	101	107	109	111	116	117	119	121
	12.5001 - PUMP ASSY., HYDRAULIC													
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INCORPORATED, DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES).												
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)	1	1	1	1	1	1	1	1	1	1	1	1
	12.5005 - GASKET, HYDRAULIC PUMP													
	5188755	GASKET	1	1	1		1	1		1	1	1	1	
	5137221	GASKET				1								
	12.5010 - COUPLING, HYDRAULIC PUMP DRIVE													
	5143616	COUPLING (21 TEETH, EXTERNAL GEAR)	1	1	1	1	1	1	1	1	1	1	1	1
	12.5015 - PLATE, HYDRAULIC PUMP DRIVE													
	5131627	PLATE (21 TEETH)	1	1	1	1	1	1	1	1	1	1	1	1
	5177026	* SPACER (1.7630)	1		1	1	1	1	1	1	1	1	1	1
	5145092	BOLT, 3/8"-24 X 1.20"			3	3	4				3			3
	5145091	BOLT, 3/8"-24X1.38" (12.5015)	4	3				4	4	4		4	4	
	9413533	NUT, 3/8"-24 HEX. SELF LOCKING (12.9120)		1	1	1					1			1
		* NOT SERVICED; USE 5131627 AND INCLUDE (1) 5143616 COUPLING.												
	12.5017 - PLATE, CAM OR BALANCER GEAR													
	5122922	RETAINER (1.7207)	3					3	3	3		3	3	1
	5108836	STUD (12.9117)		1										
	5122923	STUD (1.7633)			2	2					2			2
	124925	NUT, 3/8"-24 (12.9120)		1	1	1								
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)									1			1
	12.5020 - ADAPTOR, HYDRAULIC PUMP													
	5131332	ADAPTOR	1					1						
	5122386	ADAPTOR		1	1		1					1	1	
	5137222	ADAPTOR				1								
	5137472	ADAPTOR								1	1			
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)	AR	AR				AR				AR	AR	

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 92	93	99	100	101	107	109	111	116	117	119	121
		12.5020 - ADAPTOR, HYDRAULIC PUMP (CONT'D)												
	179839	BOLT, 3/8"-16X1" (12.9001)								2				
	179858	BOLT, 7/16"-14X1" (12.9001)		1	1	1				1	1		1	
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4	4	4				4	4		4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR				AR		AR		AR	AR	
	117049	NUT, 3/8"-24 (12.9120)	AR	AR				AR				AR	AR	
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR												
	5117061	GASKET (1.5040)	1	1	1	1	1	1	1		1	1	1	
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE												
	5168688	GEAR	1					1						
	5138709	GEAR		1										
	5137403	GEAR			1								1	
	5137392	GEAR				1								
	5127394	GEAR							1					
	5138079	GEAR								1	1			
	5140971	GEAR										1		
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	AR					AR						
	455921	PIN, 1/8"X1 1/2" SPRING (3.3060)		1	1	1				1	1	1	1	
	5188756	NUT, 1/2"-28	1					1						

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 122	125	126	127	133	134	136	137	138	139	140
		12.5001 - PUMP ASSY., HYDRAULIC											
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INCORPORATED, DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES).											
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)		1	1	1	1	2	2	2	1	2	2
	5184293	PUMP ASSY. (VICKERS #V-230-8-1C) (L.H.) (LESS ADAPTOR)	1										
	179858	BOLT, 7/16"-14X1" (12.9001)	1				1	2	2		1		
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)	4				4	8	8		4		
		12.5005 - GASKET, HYDRAULIC PUMP											
	5188755	GASKET		1	1	2	1	2	2	2	1	1	1
		12.5010 - COUPLING, HYDRAULIC PUMP DRIVE											
	5143616	# COUPLING (21 TEETH, EXTERNAL GEAR)	1	1	1	2	1	2	2	2	1		
	3292492	& % COUPLING (23 TEETH, EXTERNAL GEAR)						2				1	1
	5143616	COUPLING (21 TEETH, EXTERNAL GEAR)											
		# EFFECTIVE WITH 6D-32857 FOR TYPE 134.											
		& THRU 6D-32856.											
		% NOT SERVICED; USE 5143616 AND INCLUDE (1) 5131627.											
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE											
	5131627	# PLATE (21 TEETH) (1.7630)	1	1	1	1		2	2	2	1		
	5153449	& % PLATE (23 TEETH)						2				1	1
	5170450	PLATE (23 TEETH) (1.7630)											
	5177026	+ SPACER (1.7630)	1	1	1	1	1	2	2	2	1		1
	5145092	BOLT, 3/8"-24 X 1.20"	4			6		8		6	4		
	5145091	BOLT, 3/8"-24 X 1.38"		4	4		4		8			3	4
	9413533	NUT, 3/8"-24 HEX. SELF LOCKING (12.9120)				2				2			
		# EFFECTIVE WITH 6D-32857 FOR TYPE 134.											
		& THRU 6D-32856.											
		% NOT SERVICED; USE 5143616 AND INCLUDE (1) 5131627.											
		+ NOT SERVICED; USE 5131627 AND INCLUDE (1) 5143616 COUPLING FOR TYPES 122, 125, 126, 127, 133, 138, 140.											

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 122	125	126	127	133	134	136	137	138	139	140
		12.5017 - PLATE, CAM OR BALANCER GEAR											
	5122922	RETAINER (1.7207)		3	3		3		6				2
	5108836	STUD (12.9117)										1	
	5122923	STUD (1.7633)				2				2			
	124925	NUT, 3/8"-24 (12.9120)				2						1	
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)								2		1	
		12.5020 - ADAPTOR, HYDRAULIC PUMP											
	5122386	ADAPTOR			1	2	1	2	2	2	1	1	1
	5123814	ADAPTOR	1										
	5139376	ADAPTOR		1									
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)		AR	AR		AR		AR	AR	AR	AR	AR
	179839	BOLT, 3/8"-16X1" (12.9001)	6										
	179858	BOLT, 7/16"-14X1" (12.9001)		1		2							
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)		4		8						4	
	103321	LOCKWASHER, 3/8" (12.9200)	AR	AR	AR		AR		AR	AR	AR	AR	AR
	117049	NUT, 3/8"-24 (12.9120)		AR	AR		AR		AR	AR	AR	AR	AR
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR											
	5117061	GASKET (1.5040)		1	1	2	1	2	2	2	1	1	1
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE											
	5168688	GEAR	1			2							
	5138709	GEAR			1							1	
	5188848	GEAR						2	2	2			
	5127394	GEAR					1				1		
	5138079	GEAR		1									
	5140971	GEAR											1
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)					AR		AR				
	455921	PIN, 1/8"X1 1/2" SPRING (3.3060)		1	1							1	1
	103907	KEY, 3/16"X7/8" WOODRUFF (12.9350)				2							
	5188756	NUT, 1/2"-28					1	2	2				
	122761	NUT, 1/2"-20							2				

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	145	146	150	151	152	153	157	158	184	198
	12.5001 - PUMP ASSY., HYDRAULIC													
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INCORPORATED, DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.)												
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)	1	1	1	1					1	1		
4A	5145096	+ PUMP ASSY. (WITH ADAPTOR) (VICKERS #V20-1-P-8-P-1C-10L) (13 GPM @ 2000RPM)					1			1				
4A	5145095	+ PUMP ASSY. (WITH ADAPTOR) (VICKERS #V20-1-P-6-P-1C-10L) (6 1/4 GPM @1200 RPM)						1						
4A	5145097	+ PUMP ASSY. (WITH ADAPTOR) (VICKERS #V20-1-P-8-P-1C-10) (13 GPM @ 2000RPM)							1					
	5188757	PUMP ASSY. (LESS ADAPTOR) (HYDRECO #1515C12B1) (8 GPM @ 1800 RPM)											1	
4A	5123119	* PUMP ASSY. (WITH ADAPTOR) (HYDRECO #1515-C12B1) (8 GPM @ 1200 RPM)												1
4A	179839	BOLT, 3/8"-16X1" (12.9001)					2	2	2	2				
4A	103321	LOCKWASHER, 3/8" (12.9200)					2	2	2	2				
		* NOT SERVICED, LISTED FOR REFERENCE ONLY. FOR SERVICE USE COMPONENTS.												
	12.5005 - GASKET, HYDRAULIC PUMP													
		+ OBSOLETE.												
	5188755	GASKET	2		1		1	1	1	1		2	1	1
	5137221	GASKET		1										
4A	5111828	GASKET				1								
4A	5168852	GASKET									1			
	12.5010 - COUPLING, HYDRAULIC PUMP DRIVE													
4A	5143616	COUPLING (21 TEETH, EXTERNAL GEAR)	2	1	1	1	1	1	1	1	1	2	1	1
	12.5015 - PLATE, HYDRAULIC PUMP DRIVE													
4A	5131627	PLATE (21 TEETH) (1.7630)	2	1	1	1			1	1				
4A	5170450	PLATE (21 TEETH) (1.7630)					1	1			1	2	1	1
4A	5177026	SPACER (1.7630)	2	1	1	1			1	1				
	5140814	SPACER										2		1

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	145	146	150	151	152	153	157	158	184	198
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE (CONT'D)												
	5122923	STUD, 3/8"X1 1/2" (1.7633)			1	1								
	5108836	STUD, 3/8"					1	1						
	5145092	BOLT, 3/8"-24X1.20"	8		3	3					4		4	
	5145091	BOLT, 3/8"-24X1.38"					3	3				8		4
4A	9413533	NUT, 3/8"-24 HEX. SELF LOCKING (12.9120)			1	1	1	1						
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)			1	1	1	1						
		12.5017 - PLATE, CAM OR BALANCER GEAR												
	5122922	RETAINER (1.7207)		3		1			3	3				
4A	5145091	BOLT, 3/8"-24 X 1.31" (12.5015)		4					4	4				
		12.5020 - ADAPTOR, HYDRAULIC PUMP ADAPTOR												
	5137222	ADAPTOR		1										
	5131332	ADAPTOR			1									
	5120828	ADAPTOR				1								
	5137472	ADAPTOR					1	1	1	1				
	5123814	ADAPTOR									1			
	5122386	ADAPTOR											1	1
	103196	STUD, 3/8"-16-24 X 1 9/16" (12.9117)	4		2							4	2	2
	5162793	STUD, 1/2"-13-20 X 1.76" (6.2115)		2										
	179839	BOLT, 3/8"-16 X 1" (12.9001)				6					6			
	179858	BOLT, 7/16"-14 X 1" (12.9001)	1		1	1	1	1	1	1		2	1	1
	179882	BOLT, 1/2"-13 X 1 1/8" (12.9001)	8		4	4	4	4	4	4		8	4	4
	103321	LOCKWASHER, 3/8" (12.9200)	AR		AR	AR					AR	AR	AR	AR
	103323	LOCKWASHER, 1/2" (12.9200)		2										
	117049	NUT, 3/8"-24 (12.9120)	4		2							4	2	2
	103028	NUT, 1/2"-20 (12.9125)		2										
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR												
4A	5104506	GASKET (1.5040)	2	1	1	1	1	1	1	2		2	1	
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE												
4A	5188848	GEAR	2											1
4A	5140971	GEAR		1										
	5168688	GEAR			1						1			
	5111829	GEAR				1								
4A	5138079	GEAR					1	1	1	1				

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 141	142	145	146	150	151	152	153	157	158	184	198
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE (CONT'D)												
	5131313	GEAR										2		
4A	**5188848**	GEAR											1	
	455921	PIN, 1/8"X1 1/2" SPRING (3.3060)		1										
	103375	PIN, 3/32"X1 1/4" COTTER (12.9250)	2		1							2	1	1
	5188756	NUT, 1/2"-28 (SLOTTED) (PUMP SHAFT)	2		1							2	1	1
	122761	NUT, 1/2"-20 (SLOTTED) (PUMP SHAFT 1/2"-20 THD.) (12.9130)	2		1									

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 199	200	201	202	203	204	207	214	230
		12.5001 - PUMP ASSY., HYDRAULIC									
		NOTE: COMPONENT PARTS OF HYDRAULIC PUMP ASSEMBLIES ARE SOLD BY VICKERS INCORPORATED, DETROIT, MICHIGAN AND HYDRECO, CLEVELAND, OHIO. (FURNISH THEIR ASSEMBLY PART NUMBER WHICH IS SHOWN IN PARENTHESES.)									
	NPN	PUMP ASSY. (CUSTOMER FURNISHED)						1	1	1	
4A	5145096	÷ PUMP ASSY. (WITH ADAPTOR) (VICKERS #V20-1-P-8-P-1C-10L) (13 GPM @ 2000RPM)		1		1					
4A	5145095	÷ PUMP ASSY. (WITH ADAPTOR) (VICKERS #V20-1-P-6-P-1C-10L) (6 1/4 GPM @1200 RPM)					1				
4A	5145097	÷ PUMP ASSY. (WITH ADAPTOR) (VICKERS #V20-1-P-8-P-1C-10) (13 GPM @ 2000RPM)	1								
4A	5123119	* PUMP ASSY. (WITH ADAPTOR) (HYDRECO #1515-C12B1) (8 GPM @ 1200 RPM)			1						
	5124652	PUMP ASSY. (LESS ADAPTOR) (HYDRECO #1512C-12-C1)									1
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)									2
4A	179839	BOLT, 3/8"-16X1" (12.9001)	2	2		2	2	2			
4A	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2	2	2			2
	117049	NUT, 3/8"-24 (12.9120)									2
		* NOT SERVICED, LISTED FOR REFERENCE ONLY. FOR SERVICE USE COMPONENTS.									
		÷ OBSOLETE.									
		12.5005 - GASKET, HYDRAULIC PUMP									
	5188755	GASKET	1	1	1	1	1			1	1
4A	5168852	GASKET							1		
	5131396	GASKET						1			
		12.5010 - COUPLING, HYDRAULIC PUMP DRIVE									
4A	5143616	COUPLING (21 TEETH, EXTERNAL GEAR)	1	1	1	1	1	1	1	1	1
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE									
4A	5170450	PLATE (21 TEETH) (1.7630)	1	1	1	1	1	1	1	1	1
	5140814	SPACER	1	1				1	1	1	1
	5108836	STUD, 3/8"			1	1	1				
	5145091	BOLT, 3/8"-24 X 1.38"	4	4	3	3	3	4	4	4	4
4A	9413533	NUT, 3/8"-24 SELF-LOCKING (12.9120)			1	1	1				

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12.5000A HYDRAULIC PUMP

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 199	200	201	202	203	204	207	214	230
		12.5015 - PLATE, HYDRAULIC PUMP DRIVE (CONT'D)									
	5145431	NUT, 3/8"-24 JAM CAD. (12.4037)			1	1	1				
		12.5020 - ADAPTOR, HYDRAULIC PUMP									
4A	**5137472**	ADAPTOR	1	1		1	1				
	5123814	ADAPTOR							1		
4A	**5122386**	ADAPTOR			1					1	1
4A	**5131308**	ADAPTOR						1			
	103196	STUD, 3/8"-16-24X1 9/16" (12.9117)			2					2	
	179839	BOLT, 3/8"-16X1" (12.9001)							6		
4A	**179858**	BOLT, 7/16"-14X1" (12.9001)	1	1	1	1	1	1		1	1
4A	**179882**	BOLT, 1/2"-13X1 1/8" (12.9001)	4	4	4	4	4	4		4	8
4A	**103321**	LOCKWASHER, 3/8" (12.9200)			AR				AR	AR	
	117049	NUT, 3/8"-24 (12.9120)			2					2	
		12.5021 - GASKET, HYDRAULIC PUMP ADAPTOR									
4A	**5104506**	GASKET (1.5040)								1	1
		12.5030 - GEAR, HYDRAULIC PUMP DRIVE									
	5168688	GEAR							1		
*A	**5138079**	GEAR	1	1		1	1				
	5131313	GEAR						1			
4A	**5188848**	GEAR			1						1
4A	**5127394**	GEAR								1	
	103375	PIN, 3/32" X 1 1/4" COTTER (12.9250)			1					1	1
	5188756	NUT, 1/2"-28 (SLOTTED) (PUMP SHAFT)			1					1	1

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12.6000B AIR STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 3 2	TYPES 3 3
	12.6080 - AIR STARTER ASSY.			
		NOTE: AIR STARTERS ARE SOLD BY DETROIT DIESEL ONLY AS COMPLETE ASSEMBLIES. FOR SERVICE PARTS CONTACT POW-R- QUICK, LTD. P. O. BOX 1198, BROOKSHIRE, TEXAS 77423 FURNISH THEIR ASSEMBLY PART NUMBER SHOWN IN PARENTHESES .		
	8928820	AIR STARTER ASSY. (POW-R-QUICK #4680002) (R.H. ENG.) (353)	1	
	8928821	AIR STARTER ASSY. (POW-R-QUICK #4680004) (R.H. ENG.) (6V53)		1
	271558	BOLT, 5/8"-11X1 1/2" (12.9001)	3	3
	103325	LOCKWASHER, 5/8" (12.9200)	3	3
	12.6120 - AIR STRAINER AND LUBRICATION ASSY., AIR STARTER			
	8927814	LUBRICATOR	1	1
	12.6130 - VALVE ASSY., AIR STARTER			
	8927815	VALVE, CONTROL	1	1
	8928822	VALVE, RELAY	1	1

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2	3	8	17	18	26	33	36	37	43	45	49
		12.6301 - STARTING AID KIT, COLD WEATHER												
		A STARTING AID KIT INCLUDES VALVE ASSY. IN 12.6301, PLUS ITEMS IN 12.6305 THRU 12.6390.												
	5198056	* STARTING AID KIT (TURNER QUICK START) (CONTINUOUS SHOT)	1									1		
	5193474	STARTING AID KIT (CAPSULE)		1			1							
	5122627	@ STARTING AID KIT				1								
	5131975	# STARTING AID KIT (CONTINUOUS SHOT)								1	1			
	5137480	# STARTING AID KIT (MEASURED SHOT)											1	1
	5142734	VALVE ASSY. (CONTINUOUS SHOT)	1									1		
	5199495	FITTING, 1/4" PIPE	1									1		
	112877	BUSHING, 1/4"X1/8" RED. (12.9570)								1	1			
	100001	BOLT, 1/4"-28X3/4" (12.9001)												2
	103319	LOCKWASHER, 1/4" (12.9200)												2
	103024	NUT, 1/4"-28 (12.9120)												2
		* COMPONENT PARTS NOT SERVICED, EXCEPT VALVE AND FITTING IN 12.6301.												
		@ NOT SERVICED; REPLACE WITH TYPE 3.												
		# NOT SERVICED; FOR SERVICE REQUIREMENTS CONTACT TURNER CORPORATION, PARK STREET, SYCAMORE, ILLINOIS.												
		12.6305 - PUMP ASSY., STARTING AID												
		A PUMP ASSY. INCLUDES ITEMS IN 12.6312 THRU 12.6350.												
5A	5230535	PUMP ASSY. (7.8200)	1	1			1							
		12.6312 - SEAL RING, STARTING AID PUMP PLUNGER												
	5230543	SEAL RING (7.8215)	2	2			2							
		12.6330 - KNOB, STARTING AID PUMP PLUNGER												
5A	5152674	KNOB (7.8250)	1	1			1							
5A	122366	NUT, 5/8"-18 (12.9120)	1	1			1							
		12.6340 - VALVE, STARTING AID PUMP INLET												
5A	5230544	VALVE (7.8270)	1	1			1							

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2	3	8	17	18	26	33	36	37	43	45	49
		12.6345 - VALVE, STARTING AID PUMP OUTLET												
5A	5153358	VALVE (7.8280)	1	1			1							
		12.6355 - TANK AND STRAINER ASSY., STARTING AID												
		A TANK AND STRAINER ASSY. INCLUDES ITEMS IN 12.6355 THRU 12.6363.												
	850613	# TANK AND STRAINER ASSY.	1											
	5572059	VALVE ASSY.	1											
		# NOT SERVICED; REPLACED BY 5198056 STARTING AID KIT.												
		12.6360 - CAP, STARTING AID TANK PRESSURE												
	850614	CAP ASSY.	1											
		12.6363 - BUSHING & SCREEN ASSY., STARTING AID TANK AND STRAINER												
	5572058	+ BUSHING & SCREEN ASSY.	1											
		+ OBSOLETE.												
		12.6365 - TUBE, STARTING AID TANK TO PUMP												
	5174649	TUBE, 1/8" O.D. X 7" (12.6370)		1			1							
	5174650	TUBE, 3/16" O.D. X 10"	1											
	140303	ELBOW, 1/8" BALL SLEEVE TUBE, 90 DEG. EXT. P.T. (12.9420)		1	1		1		1					
	140323	ELBOW, 1/8" BALL SLEEVE TUBE, 90 DEG. INT. EXT. P.T. (12.9420)		1			1							
	119122	ELBOW, 3/16" BALL SLEEVE TUBE, 90 DEG. (12.9420)	1											
	121322	SLEEVE, 1/8" BALL TUBE (12.9430)		2	1		2		1					
	120488	SLEEVE, 3/16" BALL TUBE (12.9430)	1											
	121220	NUT, 1/8" BALL SLEEVE TUBE (12.9440)		2	1		2	1						
	120487	NUT, 3/16" BALL SLEEVE TUBE (12.9440)	1											
		12.6370 - TUBE, STARTING AID PUMP TO NOZZLE												
	5174649	TUBE 1/8" O.D. X 1/32" X 84"	1	1			1		1					
	5163538	* CLIP, 3/16" TUBE, 7/16" BOLT (7.8320)					4							1
	3292080	* BRACKET, CLIP (7.4076)					1							
	140323	ELBOW, 1/8" BALL SLEEVE TUBE 90 DEG. INT. EXT. P.T. (12.9420)	1	1			1							

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2	3	8	17	18	26	33	36	37	43	45	49
		12.6370 - TUBE, STARTING AID PUMP TO NOZZLE (CONT'D)												
	121322	SLEEVE, 1/8" BALL TUBE (12.9430)	1	1			1							
	186676	* BOLT, 1/4"-20X5/8" (12.9001)					1							
	120392	* WASHER, 1/4" (12.9190)					1							
	120380	* LOCKWASHER, 1/4" (12.9200)					1							
	121220	NUT, 1/8" BALL SLEEVE TUBE (12.9440)	1	1			1							
	120375	* NUT, 1/4"-20 (12.9120)					1							
		* NOT INCLUDED IN KIT.												
		12.6375 - NOZZLE, STARTING AID PUMP TUBE												
5B	2185536	NOZZLE	1	1	1		1		1					
		12.6380 - PUNCTURING TOOL ASSY., STARTING FLUID CAPSULE												
		A PUNCTURING TOOL ASSY. INCLUDES ITEMS IN 12.6385 AND 12.6390.												
5A	5186071	PUNCTURING TOOL ASSY.		1			1							
	5188309	PUNCTURING TOOL ASSY.			1				1					
	5179427	DECAL, INSTRUCTION		1			1							
	132908	* BOLT, #10-32X1/2" RD. HD. SL. (12.9025)					4							
	120217	* LOCKWASHER, #10 (12.9200)					4							
	120614	* NUT, #10-32 (12.9120)					4							
		* NOT INCLUDED IN KIT.												
		12.6385 - STRAINER & PLUG ASSY., STARTING FLUID												
		A STRAINER AND PLUG ASSY. INCLUDES ITEMS IN 12.6385.												
5A	5192816	STRAINER & PLUG ASSY.		1			1							
	5192818	STRAINER		1			1							
5B	5194869	PIN, PIERCING			1				1					
5B	5194867	SCREW, BULB NECK			1				1					
	142858	SCREW, 1/4"-20X1/4" RD. HD. SL. (12.9025)		1			1							
5B	5194866	WASHER			1				1					
5B	5194865	NUT			1				1					
		12.6390 - GASKET, STARTING FLUID STRAINER ASSY.												
	5192819	GASKET		1			1							
5B	5195340	SCREEN ASSY.			1				1					
5B	5194868	WASHER, BULB NECK			1				1					

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12.6000C COLD WEATHER STARTING AID

IG	PART NUMBER	NAME AND DESCRIPTION	TYPES 2	3	8	17	18	26	33	36	37	43	45	49
		12.6391 - BRACKET, ETHER PUNCTURING TOOL MOUNTING												
	5121194	BRACKET					1							
	5188904	BRACKET							1					
	5141418	BRACKET												1
	5198135	CLAMP ASSY.												1
	5113359	SPACER, 1/2"X3/4"X1/8"												2
	186676	BOLT, 1/4"-20X5/8" (12.9001)					2							
	186310	BOLT, 3/8"-24X3 1/2" (12.9001)							2					
	106340	BOLT, 1/2"-13X7/8" (12.9001)												2
	120380	LOCKWASHER, 1/4" (12.9200)					2							
	103323	LOCKWASHER, 1/2" (12.9200)												2
	120375	NUT, 1/4"-20 (12.9120)					2							
		12.6410 - RESERVOIR ASSY., STARTING AID												
	2296781	* RESERVOIR ASSY.						1						
		* PROCURE FROM CHEVROLET.												

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 56	57	60
		12.6301 - STARTING AID KIT, COLD WEATHER			
		A STARTING AID KIT INCLUDES VALVE ASSY. IN 12.6301, PLUS ITEMS IN 12.6305 THRU 12.6390.			
	5137480	* STARTING AID KIT (MEASURED SHOT)	1	1	
	454894	BOLT, 1/4"-20X3/4" (12.9001)		2	
	120393	WASHER, 5/16" (12.9190)		9	
	120380	LOCKWASHER, 1/4" (12.9200)		2	
		* NOT SERVICED; FOR SERVICE REQUIREMENTS CONTACT TURNER CORPORATION, PARK STREET, SYCAMORE, ILLINOIS.			
		12.6385 - TUBE, STARTING AID TANK TO PUMP			
	140303	ELBOW, 1/8" BALL SLEEVE TUBE, 90 DEG. EXT. P.T. (12.9420)			1
	121322	SLEEVE, 1/8" BALL TUBE (12.9430)			1
	121220	NUT, 1/8" BALL SLEEVE TUBE (12.9440)			1
		12.6370 - TUBE, STARTING AID PUMP TO NOZZLE			
	5186108	TUBE, 1/8"O.D.X48" (CUT TO SUIT)			1
	5163538	@ CLIP, 3/16" NEOPRENE (7.8320)			2
		@ NOT INCLUDED IN KIT.			
		12.6375 - NOZZLE, STARTING AID PUMP TUBE			
58	2185536	NOZZLE			1
		12.6378 - WIRE, STARTING AID CONTROL			
	5146238	@ WIRE ASSY. (57"L.) (2.9422)	1		
	3796374	@ GUIDE (2.9426)	1		
	121832	@ SCREW, #8-32X3/8" RND. HD. (12.9025)	1		
		@ NOT INCLUDED IN KIT.			
		12.6380 - PUNCTURING TOOL ASSY., STARTING FLUID CAPSULE			
		A PUNCTURING TOOL ASSY. INCLUDES ITEMS IN 12.6385 AND 12.6390.			
	5188309	PUNCTURING TOOL ASSY.			1

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12.6000C COLD WEATHER STARTING AID

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 56	57	60
	12.6385 - STRAINER & PLUG ASSY., STARTING FLUID				
5B	**5194869**	PIN, PIERCING			1
5B	**5194867**	SCREW, BULB NECK			1
5B	**5194866**	WASHER			1
5B	**5194865**	NUT			1
	12.6390 - GASKET, STARTING FLUID STRAINER ASSY.				
5B	**5195340**	SCREEN ASSY.			1
5B	**5194868**	WASHER, BULB NECK			1
	12.6391 - BRACKET, ETHER PUNCTURING TOOL MOUNTING				
	5109637	BRACKET			1
	179819	BOLT, 5/16"-18X1 1/8" (12.9001)			2
	12.6401 - SHIELD, HEAT				
	5143182	SHIELD		1	
	5155782	CLIP, 3/16" CLOSED (7.8320)		2	
	5157809	CLIP, 3/16" (7.8320)		1	
	180078	BOLT, 5/16"-18X7/8" (12.9001)		1	
	120214	LOCKWASHER, 5/16" (12.9200)		2	
	120376	NUT, 5/16"-18 (12.9120)		1	
	12.6403 - WATER HEATER				
	5109494	HEATER			1
	12.6405 - SWITCH, WATER HEATER CONTROL				
	5135314	SWITCH			1
	5109647	RELAY (25 AMP., 2 POLE, 110V)			1
	189837	CONNECTION, 3/4" TUBE INV. 1/2" HD. (12.9460)			1
	120062	BUSHING, 1X1/2" RED. (12.9570)			2
	119100	ELBOW, 1"X90 DEG. PIPE (12.9600)			1
	127874	NIPPLE, 1"X1 1/2" PIPE (12.9560)			2
	115237	TEE, 1" PIPE (12.9616)			1
	12.6406 - BRACKET, WATER HEATER				
	5100381	BRACKET			1
	100002	BOLT, 1/4"-28X1" (12.9001)			4
	186274	BOLT, 5/16"-18X5" (12.9001)			3

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12.6000C COLD WEATHER STARTING AID

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 5660	5657	6060
		12.6406 - BRACKET, WATER HEATER (CONT'D)			
	120392	WASHER, 1/4" (12.9200)			4
	120380	LOCKWASHER, 1/4" (12.9200)			4
	121902	NUT, 1/4"-28 CAD. (12.9120)			4
		12.6407 - TUBE, WATER HEATER SUPPLY			
	5120022	HOSE, 1 1/4" X 2.26" (4.8012)			1
	5147583	HOSE, .12" X 14.5"			1
	5109937	CONNECTOR, HOSE, 1"X1.38" (12.6408)			1
	5137646	ELBOW, 1X1 1/4" TUBE			1
	2337379	CLAMP HOSE, 1 1/2" (12.9660)			2
		12.6408 - TUBE, WATER HEATER OUTLET			
	5147584	HOSE, .12" X 31.5"			1
		12.6409 - COVER, CYLINDER BLOCK WATER HOLE COVER			
	5109916	COVER (1.2043)			2
	189837	CONNECTOR, 3/4" TUBE INV. 1/2" THD. (12.9460)			2
	445517	ELBOW (12.9480)			1
	2476233	CLIP, HOSE #12 TEFLON COATED (4.4345)			2
	186624	BOLT, 5/16"-18X1 1/4" (12.9001)			2

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12.6000D HYDRAULIC STARTER

	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	91	94	99	100	101	102	103	104	114	128	144
	12.6501	**- STARTER ASSY., HYDRAULIC**												
		SEE ASSEMBLY BREAKDOWN PAGE A1.												
5C	**6505066**	* STARTER ASSY. (C.W.)	1		1	1			1	1	1	1		
5C	**6505068**	* STARTER ASSY. (C.C.W.)		1			1	1					1	
5C	**6505067**	* STARTER ASSY. (C.C.W.)												1
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	273666	BOLT, 5/8"-11 X 1 3/8" (12 PT. HD.) (12.9001)	1	1	1	1	1	1	1	1	1	1	1	1
	103325	LOCKWASHER, 5/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED; COMPONENTS AVAILABLE												
	12.6502	**- GASKET, HYDRAULIC STARTER**												
	5130995	GASKET (7.3004)	1	1	1	1	1	1	1	1	1	1	1	1
	12.6551	**- RESERVOIR, HYDRAULIC STARTER**												
		A RESERVOIR ASSY. INCLUDES PLUG IN 12.6551 PLUS ITEMS IN 12.6555 AND 12.6558.												
5C	**6505033**	RESERVOIR ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1	1	1	1	1
	5120380	DECAL	1	1	1	1	1	1	1	1	1	1	1	1
	12.6552	**- STRAP, HYDRAULIC STARTER RESERVOIR**												
	5115524	CLAMP	2	2	2	2	2	2	2	2	2	2	2	2
	12.6555	**- CAP, HYDRAULIC STARTER RESERVOIR**												
5C	**1553180**	CAP	1	1	1	1	1	1	1	1	1	1	1	1
	12.6558	**- FILTER, HYDRAULIC STARTER RESERVOIR**												
5C	**6505020**	FILTER ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
	12.6570	**- ACCUMULATOR, HYDRAULIC STARTER**												
		SEE ASSEMBLY BREAKDOWN PAGE B1.												
5C	**6505041**	# ACCUMULATOR ASSY. (1 1/2 GAL.) (ITEM 1)	1	1	1	1	1	1	1	1				
5C	**5125521**	# ACCUMULATOR ASSY. (1 1/2 GAL.) (ITEM 2)	1	1	1	1	1	1	1	1				

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	91	94	99	100	101	102	103	104	114	128	144
		12.6570 - ACCUMULATOR, HYDRAULIC STARTER (CONT'D)												
5C	5131275	# ACCUMULATOR ASSY. (1 1/2 GAL.) (ITEM 3)	1	1	1	1	1	1	1	1		1	1	
5C	5128337	@ * ACCUMULATOR ASSY. (1 1/2 GAL.) (ITEM 2)	1											
5C	5131277	@ * ACCUMULATOR ASSY. (1 1/2 GAL.) (ITEM 3)	1											
5C	5125522	# ACCUMULATOR ASSY. (2 1/4 GAL.) (ITEM 2)									1			
5C	5131274	ACCUMULATOR ASSY. (2 1/4 GAL.) (ITEM 3)									1			1
	5146282	DECAL, CAUTION	1	1	1	1	1	1	1	1	1	1	1	1
		# NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 5131274.												
		@ U. S. COAST GUARD INSPECTED.												
		* NOT SERVICED, COMPONENTS ARE AVAILABLE, FOR COMPLETE REPLACEMENT USE 05131276.												
		12.6585 - GAGE, HYDRAULIC STARTER PRESSURE												
5C	6505012	GAGE	1	1	1	1	1	1	1	1	1	1	1	1
		12.6590 - PUMP ASSY., HYDRAULIC STARTER ENGINE												
		SEE ASSEMBLY BREAKDOWN PAGE C1.												
	6505030	PUMP ASSY. (BELT DRIVEN)	1	1		1	1	1	1	1		1	1	
	5125466	PUMP ASSY. (DIRECT DRIVEN)			1						1			1
	5157412	SPACER, 7/8" X 1/4" (7.4013)	2	2		2	2	2	2	2		2	2	
	5164294	SPACER, 13/32" X 1/8" (7.1581)	2											
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)	2	2		2	2	2	2	2		2	2	
	179857	BOLT, 7/16"-14X7/8" (12.9001)			1						1			
	179882	BOLT, 1/2"-13X1 1/8" (12.9001)			4						4			
	103341	WASHER, 3/8" (12.9190)	2	2		2	2	2	2	2		2	2	
	5150568	WASHER, 7/16" COPPER (2.4050)			1						1			
	103321	LOCKWASHER, 3/8" (12.9200)	2	2		2	2	2	2	2		2	2	
	103323	LOCKWASHER, 1/2" (12.9200)			4						4			
		12.6593 - PLATE, HYDRAULIC STARTER ENGINE PUMP DRIVE												
6F	6525073	PLATE (12.6518)			1						1			1
	5177026	SPACER (1.7630)			3									
	5122923	STUD, 3/8"-24 X 1 1/2" (1.7633)									1			

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	91	94	99	100	101	102	103	104	114	128	144
		12.6593 - PLATE, HYDRAULIC STARTER ENGINE PUMP DRIVE (CONT'D)												
	181361	BOLT, 3/8"-24X7/8" (12.9001)												4
	5176474	BOLT, 3/8"-24X1 1/8" (1.7630)									3			
6F	181370	BOLT, 3/8"-24X1 1/4" (12.9001)			4									
6F	103321	LOCKWASHER, 3/8" (12.9200)									1			2
	124925	NUT, 3/8"-24 (12.9120)									1			
	9413533	NUT, 3/8"-24 (ON STUD) (12.9120)									1			
		12.6630 - PUMP ASSY., HYDRAULIC STARTER HAND												
		SEE ASSEMBLY BREAKDOWN PAGE D1.												
6C	6505002	PUMP ASSY.	1	1	1	1	1	1	1	1	1	1	1	1
		12.6646 - HANDLE, HYDRAULIC STARTER HAND PUMP												
6C	6525044	HANDLE	1	1	1	1	1	1	1	1	1	1	1	1
		12.6655 - PRIMER, FUEL												
		NOTE: FUEL PRIMER PUMPS ARE SERVICED ONLY AS ASSEMBLIES. FOR COMPONENTS CONTACT THE KOHLER CO., KOHLER, WISCONSIN, AND FURNISH THEIR PART NUMBER WHICH APPEARS IN PARENTHESES.												
	5110760	PRIMER (K-2405-1/8-B-6)	1	1	1	1	1	1	1	1	1	1	1	1
		12.6670 - BRACKET, HYDRAULIC STARTER ENGINE PUMP												
	5125393	BRACKET (R.H.)	1						1	1			1	
	5125394	BRACKET (L.H.)		1		1	1	1				1		
	5173085	SPACER (7/16"I.D.X5/8"O.D.X7/8"L.) (7.4005)	1	1		1	1	1	1	1		1	1	
	179839	BOLT, 3/8"-16X1" (12.9001)	2	2		2	2	2	2	2		2	2	
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)	1	1		1	1	1	1	1		1	1	
	103321	LOCKWASHER, 3/8" (12.9200)	3	3		3	3	3	3	3		3	3	
		12.6672 - GUARD, HYDRAULIC ENGINE PUMP DRIVE BELT												
	5126115	GUARD (L.H.) (7.1585)					1							
	5126111	GUARD (L.H.) (7.1585)						1				1		
	5126114	GUARD (R.H.) (7.1585)							1					

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 90	91	94	99	100	101	102	103	104	114	128	144
		12.6672 - GUARD, HYDRAULIC ENGINE PUMP DRIVE BELT (CONT'D)												
	5126110	GUARD (R.H.) (7.1585)								1				
	5108992	GUARD (R.H.) (7.1585)											1	
	5126112	BRACKET, LONG (7.1587)					1	1	1	1		1	1	
	5126113	BRACKET, SHORT (7.1587)					3	1	3	1		1	1	
	5177469	SPACER, 13/32" X 3/4" X 3/16" (7.1585)					1		1					
	5157412	SPACER, 13/32" X 7/8" X 1/4" (7.4013)					1	1	1	1		1	1	
	454745	SCREW, 1/4"-28X1/2" RD. HD. SL. (12.9025)					4	2	4	2		2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)					1	1	1	1		1	1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)					1	1	1	1		1	1	
	179847	BOLT, 3/8"-16X2" (12.9001)					1		1					
	103341	WASHER, 3/8" (12.9190)					AR	AR	AR	AR		AR	AR	
	5101265	RETAINER, SCREW (7.1585)					4	2	4	2		2	2	
	102635	NUT, 3/8"-16 (12.9120)					1	1	1	1		1	1	
		12.6673 - PULLEY, HYDRAULIC ENGINE PUMP DRIVE												
	5114085	PULLEY (6" DIA., 2 GROOVES)	1	1		1	1	1	1	1		1	1	
		12.6676 - BELT, HYDRAULIC STARTER ENGINE PUMP DRIVE												
	5133172	BELT SET (2 BELTS) (43"L.X.380"W.) (7.1575)	1	1		1	1	1	1	1		1	1	

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12.6000D HYDRAULIC STARTER

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 153	172	173	174	175	178	179	180	181	182	183
		12.6501 - STARTER ASSY., HYDRAULIC											
		SEE ASSEMBLY BREAKDOWN PAGE A1.											
5C	**6505066**	* STARTER ASSY. (C.W.)		1	1					1		1	
5C	**6505068**	* STARTER ASSY. (C.C.W.)									1		
5C	**5125733**	* STARTER ASSY. (C.W.)	1										
5C	**5138889**	* STARTER ASSY. (C.W.)				1							
5C	**5139086**	* STARTER ASSY. (C.C.W.)					1						
5C	**5141333**	* STARTER ASSY. (C.W.)						1					
5C	**5139062**	* STARTER ASSY. (C.W.)							1				1
	271557	BOLT, 5/8"-11X1 3/8" (12.9001)	1	1	1	1	1		1	1	1	1	1
	273666	BOLT, 5/8"-11X1 3/8" (12 PT. HD.) (12.9005)	1	1	1	1	1		1	1	1	1	1
	5131967	BOLT, 5/8"-11X1 3/4" (12 PT. HD.) (12.9005)						2					
	103325	LOCKWASHER, 5/8" (12.9200)	2	2	2	2	2	2	2	2	2	2	2
		* NOT SERVICED; COMPONENTS AVAILABLE											
		12.6502 - GASKET, HYDRAULIC STARTER											
	5130995	GASKET (7.3004)	1					1			1		
		12.6551 - RESERVOIR, HYDRAULIC STARTER											
		A RESERVOIR ASSY. INCLUDES PLUG IN 12.6551 PLUS ITEMS IN 12.6555 AND 12.6558.											
	6505033	RESERVOIR ASSY.	1	1	1			1	1	1	1	1	1
	5109748	# RESERVOIR ASSY.				1							
	5136644	GAGE, OIL LEVEL				1							
	5136601	TUBE ASSY. (25.88" DEV. L.) (OUTLET)				1							
	5136602	TUBE ASSY. (9" DEV. L.) (INLET)				1							
	442322	CONNECTOR, 5/16" TUBE (12.9460)				2							
	225815	ELBOW, 90 DEG. INV. FL. TUBE (12.9480)				2							
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1	1		1	1	1	1	1	1
	5120380	DECAL	1	1	1			1	1	1	1	1	1
		# NOT SERVICED, COMPONENTS AVAILABLE FOR COMPLETE REPLACEMENT USE 6505033											
		12.6552 - STRAP, HYDRAULIC STARTER RESERVOIR											
	5115524	CLAMP	2	2	2			2			2	2	
		12.6555 - CAP, HYDRAULIC STARTER RESERVOIR											
5C	**1553180**	CAP	1	1	1	1		1	1	1	1	1	1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 153	172	173	174	175	178	179	180	181	182	183
		12.6558 - FILTER, HYDRAULIC STARTER RESERVOIR											
5C	6505020	FILTER ASSY.	1	1	1	1		1	1	1	1	1	1
		12.6570 - ACCUMULATOR, HYDRAULIC STARTER											
		SEE ASSEMBLY BREAKDOWN PAGE B1.											
5C	5131275	* ACCUMULATOR ASSY. (1 1/2 GAL) (ITEM 3)						1					
5C	5131274	ACCUMULATOR ASSY. (2 1/4 GAL) (ITEM 3)	1	1	1				1	1			1
5C	5131276	@ ACCUMULATOR ASSY. (2 1/4 GAL) (ITEM 3)				6					1	1	
	5185800	STRAP				3							
	5146282	DECAL, CAUTION	1	1	1	1		1	1	1	1	1	1
		@ U. S. COAST GUARD INSPECTED. * NOT SERVICED; COMPONENTS AVAILABLE FOR COMPLETE REPLACEMENT USE 5131274											
		12.6585 - GAGE, HYDRAULIC STARTER PRESSURE											
5C	6505012	GAGE	1	1	1	1		1	1	1	1	1	1
		12.6590 - PUMP ASSY., HYDRAULIC STARTER ENGINE											
		SEE ASSEMBLY BREAKDOWN PAGE C1.											
	6505030	PUMP ASSY. (BELT DRIVEN)		1	1			1	1	1	1	1	1
	5125466	PUMP ASSY. (DIRECT DRIVEN)	1										
	5109001	* PUMP ASSY. (GC-2366-A-9-EA-8)				1							
	5157412	SPACER (7/8"X1/4") (7.4013)						2			2	2	
	112918	BOLT, 5/16"-18X1 1/8" (12.9001)				2							
	179838	BOLT, 3/8"-16X7/8" (12.9001)		2	2				2	2			2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)						2			2	2	
	5108435	WASHER, 3/8" (12.4010)		2	2				2	2			2
	103341	WASHER, 3/8" (12.9190)						2			2	2	
	103320	LOCKWASHER, 5/16" (12.9200)				2							
	103321	LOCKWASHER, 3/8" (12.9200)		2	2	1		2	2	2	2	2	2
	120376	NUT, 5/16"-18 (12.9120)				2							
		* NOT SERVICED; FOR COMPLETE REPLACEMENT USE 5143507 PUMP ASSEMBLY AND (1) 5143073 SPACER.											
		12.6593 - PLATE, HYDRAULIC STARTER ENGINE PUMP DRIVE											
6F	6525073	PLATE	1										
	181361	BOLT, 3/8"-24X7/8" (12.9001)	4										
6F	103321	LOCKWASHER, 3/8" (12.9200)	2										

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 153	172	173	174	175	178	179	180	181	182	183
		12.6615 - VALVE, HYDRAULIC STARTER ENGINE PUMP CHECK											
	5139775	VALVE, CHECK		1	1	1			1	1			1
		12.6630 - PUMP ASSY., HYDRAULIC STARTER HAND											
		SEE ASSEMBLY BREAKDOWN PAGE D1.											
6C	6505002	PUMP ASSY.	1	1	1	1		1	1	1	1	1	1
		12.6646 - HANDLE, HYDRAULIC STARTER HAND PUMP											
6C	6525044	HANDLE	1	1	1	1		1	1	1	1	1	1
		12.6650 - VALVE, HYDRAULIC STARTER HAND PUMP SHUT-OFF											
	5109648	VALVE				4							
		12.6655 - PRIMER, FUEL											
		NOTE: FUEL PRIMER PUMPS ARE SERVICED ONLY AS ASSEMBLIES. FOR COMPONENTS CONTACT THE KOHLER CO., KOHLER, WISCONSIN, AND FURNISH THEIR PART NUMBER WHICH APPEARS IN PARENTHESES.											
	5110760	PRIMER (K-2405-1/8-8-6)	1	1	1	1	1	1	1	1	1	1	1
		12.6658 - BRACKET, FUEL PRIMER											
	5141415	BRACKET							1	1			
	5157412	SPACER, 7/8"X1/4" (7.4013)							1	1			
	186679	BOLT, 3/8"-16X1/4" (12.9001)							1	1			
	103341	WASHER, 3/8" (12.9190)							1	1			
	103321	LOCKWASHER, 3/8" (12.9200)							1	1			
	102635	NUT, 3/8"-16 (12.9120)							1	1			
		12.6670 - BRACKET, HYDRAULIC STARTER ENGINE PUMP											
	5125393	BRACKET (R.H.)						1			1		
	5125394	BRACKET (L.H.)										1	
	5128697	BRACKET		1	1					1			1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 153	172	173	174	175	178	179	180	181	182	183
		12.6670 - BRACKET, HYDRAULIC STARTER ENGINE PUMP (CONT'D)											
	5109725	BRACKET				1							
	5128803	SUPPORT		1	1				1	1			1
	5173085	SPACER, 7/16" X 5/8" X 7/8" (7.4005)						1			1	1	
	179830	BOLT, 5/16"-18X3" (12.9001)				4							
	179839	BOLT, 3/8"-16X1" (12.9001)		3	3			3	3	3	2	2	2
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)		2	2					2			2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)									1	1	
	103320	LOCKWASHER, 5/16" (12.9200)				4							
	103321	LOCKWASHER, 3/8" (12.9200)		5	5			3	3	5	2	2	5
	102635	NUT, 3/8"-16 (12.9120)		2	2					2			2
		12.6672 - GUARD, HYDRAULIC ENGINE PUMP DRIVE BELT											
	5126111	GUARD (L.H.) (7.1585)									1		
	5108992	GUARD (R.H.) (7.1585)										1	
	5109726	GUARD				1							
	5126112	BRACKET, LONG (7.1587)									1	1	
	5126113	BRACKET, SHORT (7.1587)									1	1	
	5157412	SPACER, 13/32" X 7/8" X 1/4" (7.4013)									1	1	
	454745	SCREW, 1/4"-28X1/2" RD. HD. SL. (12.9025)									2	2	
	443603	BOLT, 1/4"-20X3/4" (12.9001)				2							
	100001	BOLT, 1/4"-28X3/4" (12.9001)				2							
	179839	BOLT, 3/8"-16X1" (12.9001)									1	1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)									1	1	
	103341	WASHER, 3/8" (12.9190)									AR	AR	
	103319	LOCKWASHER, 1/4" (12.9200)				2							
	103321	LOCKWASHER, 3/8" (12.9200)									AR	AR	
	5101265	RETAINER, SCREW (7.1585)									2	2	
	121902	NUT, 1/4"-28 (12.9120)				2							
	102635	NUT, 3/8"-16 (12.9120)									1	1	
		12.6673 - PULLEY, HYDRAULIC ENGINE PUMP DRIVE											
	5114085	PULLEY (6" DIA., 2 GROOVES)			1			1	1		1	1	
	5138911	† PULLEY (5.38" DIA., 2 GROOVES)		1						1			1
	5109691	PULLEY (3.24" DIA., 1 GROOVE)				1							
	5109986	SPACER, 1/2" I.D. X 1 1/8" O.D. (4.1040)				1							
	274270	RING, RETAINING (2.9009)				1							
	120394	WASHER, 13/32"X13/16" (12.9190)				1							
	124925	NUT, 3/8"-24 JAM (12.9120)				1							

† OBSOLETE.

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12.6000D HYDRAULIC STARTER

G	PART NUMBER	NAME AND DESCRIPTION	TYPES 153	172	173	174	175	178	179	180	181	182	183
		12.6676 - BELT, HYDRAULIC STARTER ENGINE PUMP DRIVE											
	5133172	BELT SET (2 BELTS) (43"L.X.380"W.) (7.1575)									1	1	
	5136878	BELT SET (2 BELTS, 44"L.X.380"W.)		1	1				1	1			1
	9433871	BELT (33"L.X.500"W.)				1							
	5135030	BELT SET (2 BELTS, 34"L.X.380"W.)						1					
		12.6682 - STRAP, ACCUMULATOR MOUNTING											
	5118559	SPACER			2				2	2			
	5126381	STRAP "U" 3/8"-16			2				2	2			

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	192	194	195	209
		12.6501 - STARTER ASSY., HYDRAULIC					
		SEE ASSEMBLY BREAKDOWN PAGE A1.					
	NPN	STARTER ASSY. (CUSTOMER FURNISHED)			1	1	
6A	5125733	* STARTER ASSY. (C.W.)	1				
6A	6505066	* STARTER ASSY. (C.W.)		1			1
6A	273666	BOLT, 5/8"-11X1 3/8" (12 PT. HD.) (12.9001)	1	1			1
6A	271557	BOLT, 5/8"-11X1 3/8" (12.9001)	1	1			1
6A	103325	LOCKWASHER, 5/8" (12.9200)	2	2			2
		* NOT SERVICED; COMPONENTS AVAILABLE					
		12.6502 - GASKET, HYDRAULIC STARTER					
	5130995	# GASKET (7.3004)	1	1			
		# FOR MARINE GEAR OR TORQUE CONVERTER APPLICATIONS.					
		12.6551 - RESERVOIR, HYDRAULIC STARTER					
		A RESERVOIR ASSY., INCLUDES PLUG IN 12.6551 PLUS ITEMS IN 12.6555 AND 12.6558.					
	6505033	% RESERVOIR ASSY.	1	1	1	1	1
	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1
	5120380	DECAL (12.6551)	1	1	1	1	1
		% NOT SERVICED, USE COMPONENTS.					
		12.6552 - STRAP, HYDRAULIC STARTER RESERVOIR					
	5115524	CLAMP (12.6552)	2	2	2	2	2
	427570	BOLT, 7/16"-14X2" (12.9001)	2				
	103322	LOCKWASHER, 7/16" (12.9200)	2				
	123242	NUT, 7/16"-14 (12.9120)	2				
		12.6555 - CAP, HYDRAULIC STARTER RESERVOIR					
	1553180	CAP	1	1	1	1	1
		12.6558 - FILTER, HYDRAULIC STARTER RESERVOIR					
	6505020	FILTER ASSY.	1	1	1	1	1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	192	194	195	209
	12.6570	**- ACCUMULATOR, HYDRAULIC STARTER**					
		SEE ASSEMBLY BREAKDOWN PAGE B1.					
6B	**5131277**	@ * ACCUMULATOR ASSY. (1 1/2 GAL.)					1
6B	**5131274**	ACCUMULATOR ASSY. (2 1/4 GAL.) (ITEM 3)	1	1			
6B	**5131276**	@ ACCUMULATOR ASSY. (2 1/4 GAL.) (ITEM 3)			1	1	
	5146282	DECAL, CAUTION	1	1	1	1	1
		@ U. S. COAST GUARD APPROVED. * NOT SERVICED, COMPONENTS AVAILABLE FOR COMPLETE REPLACEMENT USE 5131274					
	12.6585	**- GAGE, HYDRAULIC STARTER PRESSURE**					
	6505012	GAGE		1	1	1	1
	12.6590	**- PUMP ASSY., HYDRAULIC STARTER ENGINE**					
		SEE ASSEMBLY BREAKDOWN PAGE C1.					
6F	**5125466**	PUMP ASSY. (DIRECT DRIVEN)	1				
6E	**6505030**	PUMP ASSY. (BELT DRIVEN)		1	1	1	1
	5164294	SPACER, 13/32"X1/8" (7.1581)		2			2
	103341	WASHER, 3/8" (12.9190)		2			2
	12.6593	**- PLATE, HYDRAULIC STARTER ENGINE PUMP DRIVE**					
6F	**6525073**	PLATE	1				
	181361	BOLT, 3/8"-24X7/8" (12.9001)	4				
	103321	LOCKWASHER, 3/8" (12.9200)	2				
	12.6630	**- PUMP ASSY., HYDRAULIC STARTER HAND**					
		SEE ASSEMBLY BREAKDOWN PAGE D1.					
6C	**6505002**	PUMP ASSY.	1	1	1	1	1
	186627	BOLT, 3/8"-24X1" (12.9001)	4				
	103321	LOCKWASHER, 3/8" (12.9200)	4				
	12.6646	**- HANDLE, HYDRAULIC STARTER HAND PUMP**					
6C	**6525044**	HANDLE	1	1	1	1	1

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 184	192	194	195	209
		12.6655 - PRIMER, FUEL					
		NOTE: FUEL PRIMER PUMPS ARE SERVICED ONLY AS ASSEMBLIES. FOR COMPONENTS CONTACT THE KOHLER CO., KOHLER, WISCONSIN, AND FURNISH THEIR PART NUMBER WHICH APPEARS IN PARENTHESES.					
	5110760	PRIMER (K-2405-1/8-B-6)		1	1	1	1
		12.6670 - BRACKET, HYDRAULIC STARTER ENGINE PUMP					
	5125393	BRACKET (R.H.)		1	1		1
	5125394	BRACKET (L.H.)				1	1
	5157412	SPACER, 7/8" X 1/4" (7.4013)		2	2	2	2
	5173085	SPACER, 7/16" X 5/8" X 7/8" (7.4005)		1	1	1	1
	179839	BOLT, 3/8"-16X1" (12.9001)		2	2	2	2
	186612	BOLT, 3/8"-16X1 3/8" (12.9001)		2	2	2	2
	179848	BOLT, 3/8"-16X2 1/4" (12.9001)		1	1	1	1
	103341	WASHER, 3/8" (12.9190)			AR	AR	AR
	103321	LOCKWASHER, 3/8" (12.9200)		2	4	4	4
		12.6672 - GUARD, HYDRAULIC STARTER ENGINE PUMP DRIVE BELT					
	5126110	GUARD (L.H.) (7.1585)			1		
	5126111	GUARD (R.H.) (7.1585)				1	
	5126112	BRACKET, LONG (7.1587)			1	1	
	5126113	BRACKET, SHAFT (7.1587)			1	1	
	5157412	SPACER (7.4013)			1		
	454745	SCREW, 1/4"-18X1/2" (12.9025)			2	2	
	5101265	RETAINER, SCREW (7.1585)			2	2	
	179839	BOLT, 3/8"-16X1" (12.9001)			1	1	
	186679	BOLT, 3/8"-16X1 1/4" (12.9001)			1		
	103341	WASHER, 3/8" (12.9190)			2	2	
	103321	LOCKWASHER, 3/8" (12.9200)			2	2	
	102635	NUT, 3/8"-16 (12.9120)			1	1	
		12.6673 - PULLEY, HYDRAULIC ENGINE PUMP DRIVE					
	5114085	PULLEY (6" DIA., 2 GROOVES)		1	1	1	1
		12.6676 - BELT, HYDRAULIC STARTER ENGINE PUMP DRIVE					
	5133172	BELT SET (2 BELTS, 43"L.X.380"W.) (7.1575)		1	1	1	1

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12.6000D HYDRAULIC STARTER

PART NUMBER	NAME AND DESCRIPTION	TYPES 184	192	194	195	209
12.6682 - STRAP, ACCUMULATOR MOUNTING						
5126381	STRAP ("U" BOLT) (5.96"L.)	2				
5118559	SPACER	2				
103321	LOCKWASHER, 3/8" (12.9200)	4				
123221	NUT, 3/8"-16 CAD. (12.9120)	4				
12.6684 - BRACKET, HYDRAULIC STARTER HAND PUMP						
5142715	BRACKET	1				
186646	BOLT, 1/2"-13X1 3/4" (12.9001)	2				
5167615	WASHER, 1/2" BEVEL (11.1073)	2				
103323	LOCKWASHER, 1/2" (12.9200)	2				
123263	NUT, 1/2"-13 CAD. (12.9190)	2				

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6501 - STARTER ASSY., HYDRAULIC														
6A	5125733	* STARTER ASSY. (C.W.)				1										
6A	5138889	* STARTER ASSY. (C.W.)					1									
6A	5139086	* STARTER ASSY. (C.C.W.)						1								
6A	5139062	* STARTER ASSY. (C.W.)								1						
6A	5141333	* STARTER ASSY. (C.W.)							1							
6A	6505066	* STARTER ASSY. (C.W.)	1													
6A	6505067	* STARTER ASSY. (C.C.W.)			1											
6A	6505068	* STARTER ASSY. (C.C.W.)		1												
	6525000	PLATE, NAME	1	1	1	1	1	1	1	1						
	220259	SCREW, #0X1/4" DRIVE (12.9067)	4	4	4	4	4	4	4	4						
6A	271557	BOLT, 5/8"-11X1 3/8" (12.9001)	1	1	1	1	1	1	1	1						
6A	103325	LOCKWASHER, 5/8" (12.9200)	1	1	1	1	1	1	1	1						
		* SHOWN FOR COMPONENT REFERENCE ONLY														
		12.6504 - HOUSING, HYDRAULIC STARTER DRIVE														
6A	6505015	HOUSING ASSY. (INCLUDES BUSHING, WICK AND PLUG)	1	1	1	1	1	1	1	1						
	6525027	BUSHING	1	1	1	1	1	1	1	1						
	6525025	WICK, OIL	1	1	1	1	1	1	1	1						
6A	5145009	PLUG, 1/8" PIPE (12.9550)	1	1	1	1	1	1	1	1						
6A	217947	BOLT, 5/16"-24 X 5/8" SOC. HD. (12.9001)	4	4	4	4	4	4	4	4						
6A	103319	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4						
		12.6506 - CLUTCH, HYDRAULIC STARTER DRIVE														
6A	1932605	* CLUTCH ASSY. (DELCO)	1						1	1						
6A	5147292	CLUTCH (BENDIX 480279)	1						1	1						
6A	1932604	* CLUTCH ASSY. (DELCO)		1												
6A	5147296	CLUTCH (BENDIX 480278)		1												
6A	1933404	* CLUTCH ASSY. (DELCO)			1			1								
6A	5147295	CLUTCH (BENDIX 480275)			1			1								
6A	1932603	* CLUTCH ASSY. (DELCO)				1										
6A	5147294	CLUTCH (BENDIX 480277)				1										
6A	1932031	* CLUTCH ASSY. (DELCO)					1									
6A	5147291	CLUTCH (BENDIX 480274)					1									
		* NOT SERVICED, USE BENDIX PART NO. SHOWN IN SAME TYPE AND INCLUDE 1-5101581 AND 1-5101715.														
		12.6508 - YOKE, HYDRAULIC STARTER CLUTCH														
6A	6525257	* YOKE (DELCO CLUTCH)	1	1	1	1	1	1	1	1						
6A	5101581	YOKE (BENDIX CLUTCH)	1	1	1	1	1	1	1	1						
		* NOT SERVICED: USE 5101581 PLUS 5101715 AND APPLICABLE BENDIX CLUTCH 12.6506.														

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6509 - FORK, HYDRAULIC STARTER CLUTCH														
6A	**6525015**	* FORK (DELCO CLUTCH)	1	1	1	1	1	1	1	1						
6A	**5101715**	FORK (BENDIX CLUTCH)	1	1	1	1	1	1	1	1						
		* NOT SERVICED; USE 5101715 PLUS 5101581 AND APPLICABLE BENDIX CLUTCH IN 12.6506.														
		12.6510 - HOUSING, HYDRAULIC STARTER CLUTCH														
6A	**6525008**	HOUSING	1	1	1	1	1	1		1						
6A	**6525255**	HOUSING							1							
6A	**6525277**	GASKET							1							
	138239	BOLT, 5/16"-24 X 2 3/4" SOC. HD. (12.9027)	4	4	4	4	4	4	4	4						
	103319	LOCKWASHER, 5/16" (12.9200)	4	4	4	4	4	4	4	4						
		12.6512 - SHAFT, HYDRAULIC STARTER CONTROL														
6A	**6525474**	SHAFT	1	1	1	1	1	1		1						
6A	**6525254**	SHAFT							1							
6A	**6525115**	SEAL RING (3/4"I.D.)							1							
6A	**6525288**	SEAL RING (7/8"I.D.)	2	2	2	2	2	2		2						
		12.6513 - SPRING, HYDRAULIC STARTER CONTROL SHAFT TORSION														
6A	**6525021**	SPRING	1	1	1	1	1	1	1	1						
		12.6514 - HANDLE, HYDRAULIC STARTER CONTROL SHAFT														
6A	**6525475**	HANDLE	1	1	1	1	1	1	1	1						
6A	**181595**	BOLT, 5/16"-24X3/4" (12.9001)	2	2	2	2	2	2	2	2						
6A	**103319**	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2						
		12.6516 - VALVE ASSY., HYDRAULIC STARTER CONTROL														
		VALVE ASSY. INCLUDES ITEMS IN 12.6517 AND 12.6518.														
6A	**6505062**	VALVE ASSY.	1	1	1	1				1						

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	J	K	L	M	N
		12.6516 - VALVE ASSY., HYDRAULIC STARTER CONTROL (CONT'D)													
6A	5145665	VALVE ASSY.					1	1							
6A	6505072	VALVE ASSY.							1						
	456390	PIN, SPRING 1/4"X3/4" CAD. (12.9275)			1	1	1	1	1	1					
6A	181345	BOLT, 5/16"-24X1 3/4" (12.9001)	2	2	2	2	2	2	2	2					
6A	103319	LOCKWASHER, 5/16" (12.9200)	2	2	2	2	2	2	2	2					
		12.6517 - BODY, HYDRAULIC STARTER CONTROL VALVE													
6A	6525198	# BODY							1	1					
6A	5137349	BODY					1	1							
6A	5199415	BODY ASSY. (INCLUDES ELBOW IN 12.6517 AND VALVE IN 12.6518)	1	1	1	1									
6A	6525110	SEAL RING (1/2"I.D.)	1	1	1	1	1	1	1	1					
6A	9402839	ELBOW, 1/2" HYD. FL. TUBE 90 DEG. (12.9391)	1	1	1	1	1	1	1	1					
6A	6525090	PLUG ASSY. (1/8" PIPE) (.031" HOLE)	1	1	1	1			1	1					
	5137028	PLUG (1/8")					1	1							
6A	5126466	PLUG (2.3050)	1	1	1	1			1	1					
6A	6525261	GASKET (1.125"O.D.X.906"I.D.)	1	1	1	1			1	1					
		# NOT SERVICED, FOR SERVICE USE 5199415.													
		12.6518 - VALVE, HYDRAULIC STARTER CONTROL													
6A	6505018	VALVE (INCLUDES PIN)	1	1	1	1	1	1		1					
6A	5108650	VALVE					1	1							
6A	6505073	VALVE							1						
6A	6525114	SEAL RING (3/4"I.D.)	3	3	3	3	3	3	3	3					
6A	6525106	SEAL RING (5/16"I.D.)					1	1							
		12.6520 - PLATE, HYDRAULIC STARTER VALVE													
6A	6505048	PLATE ASSY. (INCLUDES SEAL)	1	1	1	1	1	1	1						
6A	5139063	PLATE ASSY. (INCLUDES SEAL)								1					
6A	6525007	SEAL, OIL (1 1/4"I.D.)	1	1	1	1	1	1	1	1					
6A	109429	ELBOW, 5/8" FL. TUBE 90 DEG. (12.9390)	1	1	1	1	1	1	1						
6A	5115214	PLUG, 1/2" PIPE (12.9550)	1	1	1	1	1	1	1	1					
	5139415	RING, SEAL			1	1	1	1	1	1					
	6525276	GASKET							1						
		12.6525 - HOUSING, HYDRAULIC STARTER MOTOR													
		A HOUSING ASSY. INCLUDES BEARINGS, WHICH ARE NOT SOLD SEPARATELY.													
6A	6505013	HOUSING ASSY.	1	1	1	1	1	1	1						

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6525 - HOUSING, HYDRAULIC STARTER MOTOR (CONT'D)														
6A	**5139065**	HOUSING ASSY.								1						
		12.6530 - GASKET, HYDRAULIC STARTER MOTOR HOUSING														
6A	**6525217**	GASKET (AT VALVE PLATE)	1	1	1	1	1	1	1	1						
6A	**6525006**	GASKET (AT END COVER)	1	1	1	1	1	1	1	1						
		12.6532 - SHAFT, HYDRAULIC STARTER														
6A	**6505031**	SHAFT	1	1	1	1	1	1	1	1						
6A	**6525010**	SPRING	1	1	1	1	1	1	1	1						
6A	**6525094**	RETAINER, SNAP RING (WITH 6525093)	1	1	1	1	1	1	1	1						
6A	**6525093**	RING, SNAP (1 PIECE RING)	1	1	1	1	1	1	1	1						
6A	**5140097**	SHIM, .031" THICK	AR	AR	AR	AR	AR	AR	AR	AR						
		12.6535 - ROTOR, HYDRAULIC STARTER														
6A	**6525009**	ROTOR	1	1	1	1	1	1	1	1						
		12.6537 - PISTON, HYDRAULIC STARTER														
A	**6525020**	PISTON	7	7	7	7	7	7	7							
6A	**5138987**	PISTON								7						
		12.6540 - BEARING, HYDRAULIC STARTER END														
6A	**6505026**	BEARING ASSY. (INCLUDES COLLAR)	1	1	1	1	1	1	1	1						
		12.6543 - COVER, HYDRAULIC STARTER END														
6A	**6525001**	COVER	1	1	1	1	1	1	1	1						
6A	**9409023**	BOLT, 5/16"-24X1 3/4" (12.9001)	6	6	6	6	6	6	6	6						
6A	**103319**	LOCKWASHER, 5/16" (12.9200)	6	6	6	6	6	6	6	6						

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6570 - ACCUMULATOR, HYDRAULIC STARTER														
	5125521	* ACCUMULATOR ASSY. (1 1/2 GAL.)		1												
	5125522	* ACCUMULATOR ASSY. (2 1/4 GAL.)				1										
	5128337	= ACCUMULATOR ASSY. (1 1/2 GAL.) (U.S. COAST GUARD INSPECTED)			1											
	5131274	ACCUMULATOR ASSY. (2 1/4 GAL.)							1							
	5131275	* ACCUMULATOR ASSY. (1 1/2 GAL.)					1									
	5131277	= ACCUMULATOR ASSY. (1 1/2 GAL.) (U.S. COAST GUARD INSPECTED)						1								
	6505041	= ACCUMULATOR ASSY. (1 1/2 GAL.)	1													
	5131276	ACCUMULATOR ASSY. (2 1/4 GAL.)								1						
		* NOT SERVICED, COMPONENTS AVAILABLE FOR COMPLETE REPLACEMENT USE 5131274														
		= NOT SERVICED, COMPONENTS AVAILABLE FOR COMPLETE REPLACEMENT USE 5131276														
		12.6572 - SHELL, HYDRAULIC STARTER ACCUMULATOR														
	6525189	# SHELL	1													
	5125463	# SHELL		1	1											
	5125462	# SHELL				1										
	5131273	SHELL					1	1								
	5131272	SHELL							1	1						
		# NOT SERVICED, REPLACE ENTIRE ACCUMULATOR ASSY.														
		12.6573 - CAP, HYDRAULIC STARTER ACCUMULATOR														
	6525097	CAP	1				1	1	1	1						
	6525194	CAP		1	1	1	1	1	1	1						
	6525098	PLATE, NAME	1													
	5128559	PLATE, NAME		1	1	1	1	1	1	1						
	220259	SCREW, #0-1/4" DRIVE (12.9067)	2	2	2	2	2	2	2	2						
		12.6574 - SEAL, HYDRAULIC STARTER ACCUMULATOR CAP														
	6525227	SEAL RING (5 1/8"O.D.)	1	1	1	1	2	2	2	2						
	6525427	RING, BACK-UP (5/8"O.D.)	1	1	1	1	2	2	2	2						
		12.6576 - VALVE, HYDRAULIC STARTER ACCUMULATOR														
	6525035	VALVE	1	1	1	1	1	1	1	1						
	5125520	CAP, VALVE		1	1	1										
	6274217	CAP, VALVE	1				1	1	1	1						

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6580 - PISTON, HYDRAULIC STARTER ACCUMULATOR														
	6525193	PISTON	1													
	5125519	PISTON		1	1	1	1	1	1	1						
		12.6582 - SEAL, HYDRAULIC STARTER ACCUMULATOR PISTON														
	6525151	SEAL RING (4 3/4"O.D.)	1	1	1	1	1	1	1	1						
	6525351	RING, BACK-UP (4 3/4"O.D.)	2	2	2	2	2	2	2	2						

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6590 - PUMP ASSY., HYDRAULIC STARTER ENGINE														
	5125466	PUMP ASSY. (DIRECT DRIVEN)		1												
	6505030	PUMP ASSY. (BELT DRIVEN)	1													
		12.6594 - DRIVE, HYDRAULIC STARTER ENGINE PUMP														
	6525066	DRIVE		1												
		12.6595 - BODY, HYDRAULIC STARTER ENGINE PUMP														
6E	**6505014**	BODY	1	1												
6E	**9411504**	SPACER (1/8"I.D.X3/8"O.D.)	1	1												
6E	**9402864**	ELBOW, 3/8" HYDRAULIC FL. TUBE 90 DEG. (12.9391)	1	1												
6E	**118755**	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)	1	1												
6E	**118753**	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)	1	1												
6E	**6525195**	PLUG, 1/8" PIPE (12.9550)	2	2												
		12.6597 - HOUSING, HYDRAULIC STARTER ENGINE PUMP BEARING														
6E	**6525005**	HOUSING	1													
6E	**6525007**	HOUSING		1												
	5125178	PLATE (MOUNTING)		1												
6E	**181333**	BOLT, 5/16"-24X5/8" (12.9001)		3												
6E	**181595**	BOLT, 5/16"-24X3/4"	3													
6E	**112723**	LOCKWASHER, 5/16" (12.9200)	3	3												
		12.6598 - GASKET, HYDRAULIC STARTER ENGINE PUMP BODY														
6E	**6525065**	GASKET	1	1												
		12.6600 - SHAFT, HYDRAULIC STARTER ENGINE PUMP														
	6525050	SHAFT		1												
6E	**6525095**	SHAFT	1													
6E	**124545**	KEY, 1/8"X5/8" WOODRUFF (12.9350)	1													
6E	**112724**	LOCKWASHER, 9/16" (12.9200)	1													
	117030	LOCKWASHER, 3/8" (12.9200)		1												
6E	**122330**	NUT, 9/16"-18 (12.9120)	1													
	117049	NUT, 3/8"-24		1												

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6602 - BEARING, HYDRAULIC ENGINE PUMP														
6E	**903200**	BEARING (N.D. 3200XR1A) (IN BODY)		1												
6E	**954498**	BEARING (N.D. 3202L1A) (IN HOUSING)		1												
6E	**905203**	BEARING (N.D. 5203X1A) (DOUBLE ROW)	1													
6E	**907045**	BEARING (N.D. 3203L1A) (SINGLE ROW) (2.7470)	1													
6E	**6525084**	SPACER (BEARING)	1													
		12.6603 - SEAL, HYDRAULIC STARTER ENGINE PUMP OIL														
6E	**6525056**	SEAL		1												
6E	**5128569**	SEAL, OIL (7/8"I.D.)	1													
6E	**6525083**	SLEEVE (OIL SEAL)	1													
		12.6607 - PISTON, HYDRAULIC STARTER ENGINE PUMP														
6E	**6525054**	PISTON	1	1												
		12.6608 - SPRING, HYDRAULIC STARTER ENGINE PUMP PISTON														
6E	**6525055**	SPRING	1	1												
		12.6610 - BEARING, HYDRAULIC STARTER ENGINE PUMP PISTON														
6E	**457249**	BEARING (NEEDLE)	1	1												
6E	**6525075**	RACE, BEARING	1	1												
6E	**6525076**	WASHER	1	1												
		12.6611 - RING, HYDRAULIC STARTER ENGINE PUMP														
6E	**6525087**	RING, THRUST	1													
		12.6615 - VALVE, HYDRAULIC STARTER ENGINE PUMP CHECK														
6E	**6505025**	VALVE ASSY. (INCLUDES BODY, SPRING AND BALL)	2	2												
6E	**6525071**	BAFFLE (SLOTTED HOLE)	3	3												
6E	**6525060**	RETAINER (PLUG)	2	2												

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
		12.6620 - VALVE, HYDRAULIC STARTER ENGINE PUMP RELIEF														
6E	**6525062**	VALVE (PISTON)	1	1												
6E	**6525102**	SEAL RING (5/32"I.D.)	1	1												
6E	**6525302**	RING, BACK-UP (.281"O.D.)	1	1												
		12.6622 - SPRING, HYDRAULIC STARTER ENGINE PUMP RELIEF VALVE														
	6525079	SPRING (SMALL)	1	1												
6E	**6525063**	SPRING (LARGE)	1	1												
		12.6623 - SEAT, HYDRAULIC STARTER ENGINE PUMP RELIEF VALVE SPRING														
6E	**6525078**	SEAT (SMALL) 5/16" O.D.	1	1												
6E	**6525070**	SEAT (LARGE) 1/2" O.D.	1	1												
		12.6625 - PLUG, HYDRAULIC STARTER ENGINE PUMP RELIEF VALVE														
6E	**6525061**	PLUG	1	1												
6E	**6525072**	GASKET, PLUG	1	1												

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12.6000D HYDRAULIC STARTER

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A	B	C	D	E	F	G	H	I	J	K	L	M	N
	12.6630	**- PUMP ASSY., HYDRAULIC STARTER HAND**														
	6505002	PUMP ASSY.	1													
	12.6633	**- BODY, HYDRAULIC STARTER HAND PUMP**														
6C,D	**6525040**	* BODY	1													
6C	**6525089**	PLUG (7/8"-18)	2													
	6525261	GASKET, PLUG	2													
6D	**118755**	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9390)	1													
6D	**9402864**	ELBOW, 3/8" HYDRAULIC FL. TUBE 90 DEG. (12.9391)	1													
		* NOT SERVICED, REPLACE ENTIRE PUMP.														
	12.6635	**- VALVE, HYDRAULIC STARTER HAND PUMP RELIEF**														
6D	**6525045**	SCREW, RELIEF VALVE	1													
6D	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	1													
6D	**6525104**	SEAL RING (7/32"I.D.)	1													
6D	**272121**	NUT, 7/16"-20 (12.9120)	1													
	12.6638	**- PISTON, HYDRAULIC STARTER HAND PUMP**														
6C	**6525041**	PISTON	1													
6C	**6525111**	SEAL RING (3/4"O.D.)	2													
6C	**6525311**	RING, BACK-UP (3/4"O.D.)	2													
	12.6640	**- VALVE, HYDRAULIC STARTER HAND PUMP CHECK**														
6D	**104919**	BALL, 5/16" DIA. STEEL (12.9670)	4													
6D	**6525042**	SPRING	4													
6D	**6525046**	PLUG, SPRING GUIDE	4													
6D	**444606**	PLUG, 1/16" PIPE (12.9550)	2													
	12.6643	**- CAM, HYDRAULIC STARTER HAND PUMP**														
6C	**6525043**	CAM	1													
6C	**6525047**	PIN, CAM	1													
	148150	SPRING, 3/8" RETAINER (12.9640)	2													
	12.6645	**- BOOT, HYDRAULIC STARTER HAND PUMP CAM**														
6C	**6525048**	BOOT	1													
6C	**6525081**	RING, BOOT RETAINER	1													

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 26	28	52	67	68	69	75	86
		12.6801 - FILTER ASSY., HYDRAULIC STARTER								
		INCLUDES ADAPTOR IN 12.6801 AND ELEMENT IN 12.6805.								
	854453	FILTER ASSY. (AC TYPE GF-50)		1	1	1	1	1	1	1
	5120375	ADAPTOR, 1/4"X1/8" RED. PIPE (12.9570)		2	2	2	2	2	2	2
		12.6805 - ELEMENT, HYDRAULIC STARTER FILTER								
	854454	ELEMENT (AC TYPE GF-144) (12.6697)		1	1	1	1	1	1	1
		12.6808 - CYLINDER ASSY., MASTER REMOTE CONTROL								
		A CYLINDER ASSY. INCLUDES ITEMS IN 12.6810 THRU 12.6818.								
	5456712	@ CYLINDER ASSY.	1							
	6525200	# ADAPTOR	1							
	191758	FITTING, 1/8" GREASE	1							
	5137712	CONTROL ASSY. (HYDROSTARTER)					1			
		@ NOT SERVICED, COMPONENTS ARE AVAILABLE.								
		# NO LONGER AVAILABLE.								
		12.6810 - BODY ASSY., MASTER CYLINDER								
		INCLUDES BUSHING WHICH IS NOT SERVICED SEPARATELY.								
	5453733	# BODY ASSY.	1							
		# NO LONGER AVAILABLE.								
		12.6812 - COVER, MASTER CYLINDER RESERVOIR								
	5456728	# COVER	1							
	45260	% SCREW, 1/4"-20	4							
		# NO LONGER AVAILABLE.								
		% OBSOLETE.								
		12.6813 - GASKET, MASTER CYLINDER RESERVOIR COVER								
	5300973	GASKET	1							

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12.6000E HYDRAULIC STARTER ACCESSORIES

PART NUMBER	NAME AND DESCRIPTION	TYPES 26	28	52	67	68	69	75	86
12.6814 - PLUG, MASTER CYLINDER FILLER									
5300974	# PLUG	1							
5461893	# GASKET	1							
	# OBSOLETE.								
12.6815 - PISTON ASSY., MASTER CYLINDER OPERATING									
5456726	+ PISTON ASSY.	1							
5456723	+ SEAL ASSY., PISTON	1							
5451121	+ SPRING AND RETAINER ASSY. (PISTON)	1							
	+ OBSOLETE.								
12.6816 - VALVE ASSY., MASTER CYLINDER CHECK									
5456724	+ VALVE ASSY.	1							
	+ OBSOLETE.								
12.6817 - NUT ASSY., MASTER CYLINDER (END)									
5456727	+ NUT ASSY.	1							
5450212	+ GASKET	1							
	+ OBSOLETE.								
12.6818 - ROD ASSY., MASTER CYLINDER PISTON PUSH									
5450454	+ ROD ASSY.	1							
231435	+ RETAINER	1							
5456720	+ BOOT	1							
	+ OBSOLETE.								
12.6821 - SPRING, STARTER HANDLE RETURN									
6525199	SPRING	2							
12.6822 - PEDAL ASSY., HYDRAULIC STARTER REMOTE CONTROL									
5138994	+ PEDAL (UPPER ARM)	1							
3687985	+ ARM (LOWER)	1							
3692283	+ BUSHING RED.	1							
3692281	+ SPRING, RETAINER	1							
3692282	+ LOCK	1							

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 26	28	52	67	68	69	75	86
		12.6822 - PEDAL ASSY., HYDRAULIC STARTER REMOTE CONTROL (CONT'D)								
	108629	PIN, 3/32"X7/8" COTTER (12.9250)	1							
	596894	* BOLT, 3/8"-24X31/32" (12.6822)	1							
	103341	WASHER, 3/8" (12.9190)	1							
	103321	LOCKWASHER, 3/8" (12.9200)	1							
	117049	NUT, 3/8"-24 (12.9120)	1							
	122728	NUT, 3/8"-24 SLOTTED (12.9130)	1							
		+ OBSOLETE.								
		* NOT SERVICED, PROCURE PART 3907250 FROM CHEVROLET MOTOR DIVISION.								
		12.6825 - FITTINGS KIT, HYDRAULIC STARTER								
	5193720	FITTING KIT	AR	AR						
	5196799	* RELIEF VALVE KIT	AR	AR		AR	AR			
	5127830	VALVE ASSY., RELIEF (12.6970)	AR	AR		AR		AR		AR
		* REQUIRED WITH U.S. COAST GUARD INSPECTED ACCUMULATOR ASSY. IN 12.6570 AND IN ADDITION TO 5193720 FITTING KIT IN 12.6825.								
		12.6827 - HOSE, HYDRAULIC STARTER (BULK) (LESS FITTINGS)								
	5195704	HOSE, 1/4" X 24' (HIGH PRESS.) (12.8520)	AR	AR	AR				AR	AR
	5195706	HOSE, 1/4" X 24' (LOW PRESS.) (12.8520)	AR	AR	AR				AR	AR
	5195705	HOSE, 3/8" X 24' (HIGH PRESS.) (12.8520)	AR	AR	AR				AR	AR
	5195707	HOSE, 3/8" X 24' (LOW PRESS.) (12.8520)	AR	AR	AR				AR	AR
	5195708	HOSE, 5/8" X 24' (LOW PRESS.) (12.8520)	AR	AR	AR				AR	AR
	105405	NIPPLE, 1/4"X7/8" PIPE (12.9560)	1	1	1				1	1
	443981	NIPPLE, 3/8"X1 13/32" PIPE (12.9560)	2	2	2				2	2
	144083	TEE, 1/4" PIPE (12.9616)	1	1	1				1	1
	454122	TEE, 3/8" PIPE (12.9616)	1	1	1				1	1
	116332	BUSHING, 3/8"X1/4" RED. PIPE (12.9570)	1	1	1				1	1
	5194856	CROSS (4 WAY) (3/8" INT. P.T.) (12.6570)	1	1	1				1	1
	5194857	ELBOW (3/8" INV. FL. TUBE 90 DEG.) (12.6570)	2	2	2	2			2	2
	1566992	@ MEDALLION (7.4099)							1	
	5175547	@ BRACKET (7.4020)							1	
	120614	@ NUT, #10-32 (12.9120)							1	
		@ NOT USED WHEN BATTERY CHARGING GENERATOR IS SPECIFIED.								

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 26	28	52	67	68	69	75	86
		12.6830 - HOSE, HYDRAULIC STARTER RESERVOIR TO FILTER								
	5113689	# HOSE, 3/8"I.D.X15"L.						1		
	118755	ELBOW, 3/8" INV. FL. TUBE 90 DEG. (12.9390)						3		
	5113191	CONNECTOR, 3/8" TUBE (5/8"-18 INT. THRD.) (12.6692)						2		
	118750	CONNECTOR, 3/8" FL. TUBE, 1/4" P.T. (12.9360)						1		
	144083	TEE, 1/4" PIPE (12.9616)						1		
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.								
		12.6832 - HOSE, HYDRAULIC STARTER RESERVOIR TO HAND PUMP								
	5113689	# HOSE (3/8"I.D.X28 1/2"L.)				1		1		
	5113689	# HOSE (3/8"I.D.X34"L.)								
	5113191	CONNECTOR, 3/8" TUBE (5/8"-18 INT. THRD.) (12.6692)				2		2		
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.								
		12.6840 - HOSE, HYDRAULIC STARTER FILTER TO ENGINE PUMP								
	5113689	# HOSE (3/8"I.D.X39 1/2"L.)				1				
	5113689	# HOSE (3/8"I.D.X20"L.)						1		
	5113191	CONNECTOR, 3/8" TUBE (5/8"-18 INT. THRD.) (12.6692)				1		2		
	5113214	FITTING, 1/4"-18 HOSE (12.6689)				1				
		# STD. LENGTH HOSE; CUT TO LENGTH SHOWN.								
		12.6845 - HOSE, HYDRAULIC STARTER FILTER TO HAND PUMP								
	5113689	* HOSE, 3/8"I.D.X6 1/2"L.				1				
	5129867	* HOSE, 1/4"I.D.X38"L. (4.3020)						1		
	5111277	CONNECTOR, 1/4" FL. HOSE, 7/16"-20 INT. THRD. (8.1017)						2		
	5113191	CONNECTOR, 3/8" TUBE (5/8"-18 INT. THRD.) (12.6692)				1				
	5113214	FITTING, 1/4" HOSE (12.6689)				1				
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.								

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 26	28	52	67	68	69	75	86
		12.6850 - HOSE, HYDRAULIC STARTER ENGINE PUMP TO ACCUMULATOR								
	5141710	HOSE (1/4"X57") (HIGH PRESS.) (2.8910)				1				
	5118420	HOSE (1/4"X44") (HIGH PRESS.) (12.6687)						1		
	142664	ELBOW, 5/16" TUBE 90 DEG. (12.9390)						1		
	5126395	ELBOW, 5/16" INV. FL. TUBE (7.4596)				1				
	9402864	ELBOW, 3/8" FL. TUBE 90 DEG. (12.9391)				1				
	143341	ELBOW, 5/8" FL. TUBE 45 DEG. (12.9480)						1		
	110200	CONNECTOR, 5/16" FL. TUBE 1/4" P.T. (12.9380)				1				
	9402747	CONNECTOR, 3/8" FL. TUBE 90 DEG. (12.6840)				1				
		12.6855 - TUBE, HYDRAULIC STARTER HAND PUMP TO ACCUMULATOR								
	5141712	HOSE (1/4"X30") (HIGH PRESS.)				2		1		
	454109	ELBOW, 1/4" STREET 90 DEG. (12.9590)						1		
	5194857	ELBOW (3/8" FL. TUBE 90 DEG.) (12.6570)				2				
	118755	ELBOW (3/8" FL. TUBE 90 DEG.) (12.9390)				2				
	443981	NIPPLE, 3/8"X1 13/32" PIPE (12.9560)				2		1		
	9403020	TEE, 3/8" PIPE 90 DEG. (12.6855)				1				
	444096	COUPLING, 1/4"-18 AUTO. (12.9580)				1				
		12.6860 - TUBE, HYDRAULIC STARTER ACCUMULATOR TO HYDRAULIC STARTER								
	5141711	HOSE (1/4"X7") (HIGH PRESS.)				1				
	5141713	HOSE (3/8"X9 1/2") (HIGH PRESS.)				1				
	5142185	HOSE (3/8"X16 1/4") (HIGH PRESS.)						1		
	5141715	HOSE (3/8"X30") (HIGH PRESS.)				1				
	5141714	HOSE (3/8"X37") (HIGH PRESS.)				1				
	109429	ELBOW, 1/4" FL. TUBE 90 DEG. (12.9390)				1				
	105423	ELBOW, 1/4" STREET 90 DEG. (12.9590)				1				
	9402865	ELBOW, 1/2" TUBE 90 DEG.				2		1		

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 26	28	52	67	68	69	75	86
		12.6860 - TUBE, HYDRAULIC STARTER ACCUMULATOR TO HYDRAULIC STARTER (CONT'D)								
	105417	TEE, 1/4" PIPE (12.9616)				1				
	454122	TEE, 3/8" PIPE (12.9616)				3				
	454146	TEE, 3/8" PIPE (12.9490)						2		
	116332	BUSHING, 3/8"X1/4" RED. (12.9570)				1		3		
	5194856	CROSS (4 WAY, 3/8" INT. P.T.) (AT ACCUMULATOR) (12.6570)						1		
	105407	NIPPLE, 1/4"X1 1/2" PIPE (12.9560)				1				
		12.6865 - HOSE, HYDRAULIC STARTER TO RESERVOIR								
	5135293	* HOSE, 5/8" I.D. X 29" L. (2.5060)				1				
	5135293	* HOSE, 5/8" I.D. X 46 1/2" L. (2.5060)						1		
	5113192	CONNECTOR, 5/8" FL. HOSE, 7/8"-14 INT. THRD. (12.6689)				2		1		
	5132237	FITTING, 5/8"I.D. HOSE (2.6005)						1		
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.								
		12.6875 - HOSE, MASTER CYLINDER TO REMOTE CONTROL VALVE								
	2331112	HOSE, 19 1/2"L.	1							
	118748	CONNECTOR, 1/4" FL. TUBE, 1/8" P.T. (12.9380)	1							
		12.6880 - HOSE, HYDRAULIC STARTER RELIEF VALVE								
	5142184	HOSE, 1/4" I.D. X 19 1/2" L.						1		
	5129867	* HOSE, 1/4" I.D. X 28 1/2" L. (7.4075)				1				
	5189294	FITTING, 1/2"-20 HOSE (5.7100)				1				
	5113322	FITTING, 1/2"-20 HOSE (2.5215)				1				
	5111277	CONNECTOR, 1/4" FL. HOSE, 7/16"-20 INT. THRD. (8.1017)				1				
	9402708	CONNECTOR, 3/8" INV. FL. TUBE						1		
	9402825	ELBOW, 3/8" INV. FL. TUBE 45 DEG.						1		
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.								
		12.6950 - HOSE, HYDRAULIC STARTER FUEL PRIMER								
	5141171	% HOSE, 8 1/2"L.				1				
	5139083	@ HOSE, 16"L.				1				
	5129867	* HOSE, 35" L. (7.4075)						1		

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12.6000E HYDRAULIC STARTER ACCESSORIES

FIG	PART NUMBER	NAME AND DESCRIPTION	TYPES 26	28	52	67	68	69	75	86
		12.6950 - HOSE, HYDRAULIC STARTER FUEL PRIMER (CONT'D)								
	5111277	CONNECTOR, 1/4" FL. HOSE, 7/16"-20 INT. THRD. (8.1017)						1		
	442323	CONNECTOR, 5/16" INV. FL. TUBE (12.9460)				1				
	118753	ELBOW, 1/4" FL. TUBE 90 DEG., 1/8" P.T. (12.9390)						2		
	225815	ELBOW, 5/16" INV. FL. TUBE 90 DEG. (12.9480)				1				
	5104778	TEE, 3/8" INV. FL. TUBE (7.4694)				2				
	5113322	FITTING, 1/2"-20 HOSE (2.5215)						1		
	444692	PLUG, 1/4" PIPE (12.9550)				1		1		
	5114551	TAG, CABLE (7.4545)						4		
		@ NOT SERVICED, FOR REPLACEMENT USE BULK HOSE 5199575 AND INCLUDE (1) EACH OF 5199584, 5199583 FITTING, (1) 2488022 CLIP AND SD-29.								
		* STD. LENGTH HOSE; CUT TO LENGTH SHOWN.								
		% NOT SERVICED, FOR REPLACEMENT USE BULK HOSE 5199575 AND INCLUDE (1) EACH OF 5199584, 5199592 FITTINGS AND PRINT OF SD-29.								

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12.8000A SUPPLIES

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN 5
		12.8001 - PAINT, ENGINE TOUCH-UP	
	5194974	PAINT (ALPINE GREEN) (12 OZ. SPRAY CAN)	AR
	5194975	PAINT (ALPINE GREEN) (1 GALLON)	AR
		12.8050 - CARTON, ENGINE PART	
	5149669	CONTAINER, INJECTOR	AR
		12.8110 - LUBRICATING COMPOUND (THREAD)	
	5198563	INTERNATIONAL COMPOUND #2 (1 QUART)	AR

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12.8000B FABRICATION MATERIAL

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN 5
		12.8500 - CABLE, FLEXIBLE SHAFT	
	1567887	CABLE (500' SPOOL)	AR
	5197357	SHAFT ASSY., FLEX. (30"L.) (WHITE DENTAL TYPE RY-18-4) (2.7012)	AR
		12.8502 - CASING, FLEXIBLE SHAFT	
	1567876	CASING (50' ROLL)	AR
		12.8506 - TIP, FLEXIBLE SHAFT LOWER	
	1567897	TIP (TL-4)	AR
		12.8508 - TIP, FLEXIBLE SHAFT UPPER	
	1567903	TIP (TU-2)	AR
	1567904	TIP (TU-3)	AR
		12.8510 - WASHER, FLEXIBLE SHAFT TIP RETAINING	
	1567907	* WASHER (LOWER)	AR
	1568533	WASHER (UPPER)	AR
		* OBSOLETE	
		12.8512 - SPRING, FLEXIBLE SHAFT CASING	
	1568529	SPRING (SP-2)	AR
	1568530	SPRING (SP-3)	AR
		12.8514 - FERRULE AND NUT, FLEXIBLE SHAFT CASING	
	1567877	FERRULE AND NUT (FE-1) (7/8"-18)	AR
	1568211	FERRULE AND NUT (FE-48) (5/8"-18)	AR
	845086	# NUT (7/8"-18)	AR
	1535497	# FERRULE	AR
		# ITEMS USED TOGETHER.	
		12.8516 - LUBRICANT, FLEXIBLE SHAFT CABLE	
	158173	* LUBRICANT	AR
		* OBSOLETE	

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12.8000B FABRICATION MATERIAL

PART NUMBER	NAME AND DESCRIPTION	COLUMN 5
12.8518	**- STAKING AND SWAGING TOOL, FLEXIBLE SHAFT**	
1582493	TOOL, CABLE STAKING	AR
1582476	TOOL, SWAGING	AR
12.8520	**- HOSE, HYDRAULIC STARTER FLEXIBLE (BULK)**	
5195704	HOSE, 1/4"I.D.X24' (HIGH PRESSURE)	AR
5195706	HOSE, 1/4"I.D.X24' (LOW PRESSURE)	AR
5195705	HOSE, 3/8"I.D.X24' (HIGH PRESSURE)	AR
5195707	HOSE, 3/8"I.D.X24' (LOW PRESSURE)	AR
5195708	HOSE, 5/8"I.D.X24' (LOW PRESSURE)	AR
12.8550	**- HOSE, FLEXIBLE (BULK)**	
	NOTE: USE WITH FITTINGS IN 12.8552 AND CLIP IN 12.8554.	
5199575	HOSE, #6X25'	AR
5199576	HOSE, #8X25'	AR
5199578	HOSE, #12X25'	AR
12.8552	**- FITTINGS, FLEXIBLE HOSE END**	
	NOTE: USE WITH HOSE IN 12.8550.	
5199584	FITTING, #6 HOSE (1/4" MALE PIPE) (STRAIGHT)	AR
5199585	FITTING, #8 HOSE (3/8" MALE PIPE) (STRAIGHT)	AR
5199583	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (STRAIGHT)	AR
5199597	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (STRAIGHT)	AR
5199592	FITTING, #6 HOSE (1/2"-20 MALE INV. FL.) (STRAIGHT)	AR
5199739	FITTING, #6 HOSE (1/2"-20 STRAIGHT SWIVEL)	AR
5199579	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (STRAIGHT)	AR
5199593	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (45 DEG.)	AR
5199588	FITTING, #6 HOSE (5/8"-18 MALE INV. FL.) (90 DEG.)	AR
5199737	FITTING, #6 HOSE (5/8"-18 STRAIGHT SWIVEL)	AR

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12.8000B FABRICATION MATERIAL

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN 5
		12.8552 - *FITTINGS, FLEXIBLE HOSE END* (CONT'D)	
	5199580	FITTING, #8 HOSE (3/4"-18 MALE INV. FL.) (STRAIGHT)	AR
	5199594	FITTING, #8 HOSE (3/4"-18 INV. FL.) (45 DEG.)	AR
	5199589	FITTING, #8 HOSE (3/4"-18 INV. FL.) (90 DEG.)	AR
	5199738	FITTING, #8 HOSE (3/4"-16 STRAIGHT SWIVEL)	AR
	5144522	FITTING, #12 HOSE (1 1/16"-14 FEMALE SWIVEL)	AR
		12.8554 - CLIP, FLEXIBLE HOSE	
		NOTE: ONE (1) CLIP IS REQUIRED FOR EACH 18" OF HOSE CUT LENGTH.	
	2488022	CLIP, #6 HOSE (NEOPRENE COATED)	AR
	2362448	CLIP, #8 HOSE (NEOPRENE COATED)	AR
	5147599	CLIP, #8 HOSE (LONG SHANK)	AR
		12.8565 - *FLYWHEEL, CASTING*	
		REFER TO PARTS INFORMATION BULLETIN NO.95 SECTION 2.	
	5149152	FLYWHEEL, CASTING	AR
	5149203	FLYWHEEL, CASTING	AR
	5149205	FLYWHEEL, CASTING	AR

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12.8000C SERVICE KITS

PART NUMBER	NAME AND DESCRIPTION	COLUMN 5
	12.8715 - LUBE OIL KIT	
5149351	* KIT, LUBE OIL * INCLUDES (1) FILTER ADAPTOR AND (12) SPIN ON ELEMENTS.	AR

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12.8000D MISCELLANEOUS SERVICE PARTS

FIG	PART NUMBER	NAME AND DESCRIPTION	COLUMN A
		12.8801 - MISCELLANEOUS SERVICE PARTS—SECTION 1	
	5149721	KIT, REPLACEMENT CYLINDER (1.6182)	AR
	5149734	KIT, REPLACEMENT CYLINDER (1.6182)	AR
	5149735	KIT, REPLACEMENT CYLINDER (1.6182)	AR
	5149315	KIT, REPLACEMENT CYLINDER (1.6182)	AR
	5198899	KIT, REPLACEMENT CYLINDER (1.6182)	AR
	5198903	KIT, REPLACEMENT CYLINDER (1.6182)	AR
	5198904	KIT, REPLACEMENT CYLINDER (1.6182)	AR
	5198905	KIT, REPLACEMENT CYLINDER (1.6182)	AR
	5199116	KIT, REPLACEMENT CYLINDER (1.6182)	AR

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